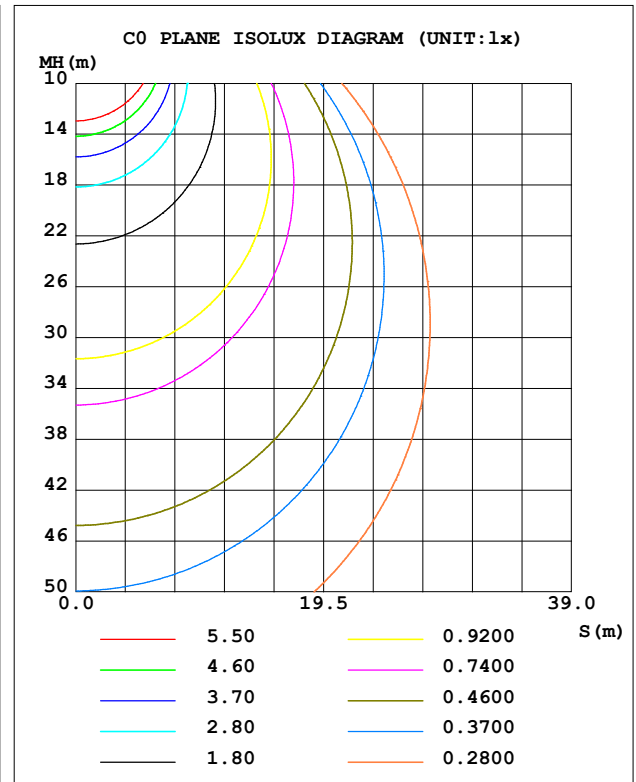
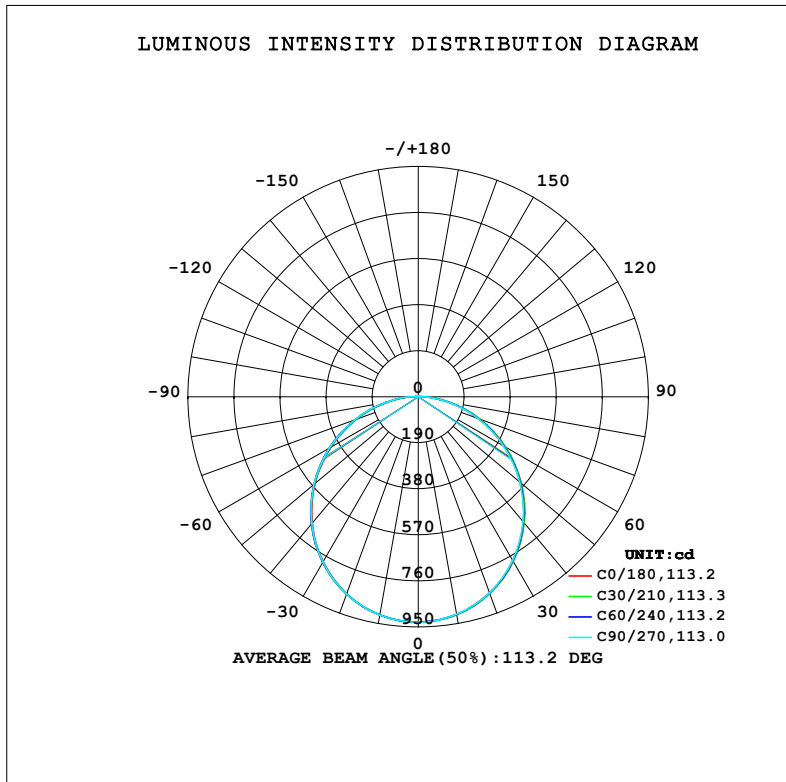


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	95EL218130W/WH	Imax (cd)	930.3	S/MH (C0/180)	1.26
NOMINAL POWER (W)	30	LOR (%)	115.1	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	2763.3	η UP, DN (C0-180)	0.8, 56.2
NOMINAL FLUX (lm)	2400	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.8, 57.3
LAMPS INSIDE	1	η up (%)	1.6	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	230	η down (%)	113.5	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 03 February 2023

γ Range: 0 - 130DEG
 γ Interval: 2.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.340m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	913.0	912.0	911.7	912.6	913.9	914.7	914.4	913.5	0- 10	87.97	87.97	3.18,3.67
20	863.7	862.1	860.9	862.0	865.2	866.9	866.4	864.8	10- 20	251.9	339.9	12.3,14.2
30	784.5	781.8	779.6	781.3	786.0	789.3	788.6	785.9	20- 30	381.5	721.4	26.1,30.1
40	680.1	676.2	672.9	674.8	681.2	685.7	685.1	681.9	30- 40	459.8	1181	42.7,49.2
50	555.8	550.9	546.4	548.6	556.2	561.9	561.9	558.2	40- 50	477.8	1659	60,69.1
60	417.1	411.4	406.6	409.3	417.0	423.4	424.1	420.7	50- 60	435.2	2094	75.8,87.3
70	271.7	266.0	261.7	264.6	271.5	277.7	278.9	275.7	60- 70	340.3	2434	88.1,101
80	130.6	125.7	122.0	125.2	130.7	135.8	137.7	134.6	70- 80	210.7	2645	95.7,110
90	27.73	24.44	23.79	25.28	27.50	29.83	31.40	30.31	80- 90	79.32	2724	98.6,114
100	11.60	9.593	10.87	11.97	12.50	12.15	11.95	11.11	90-100	16.06	2741	99.2,114
110	6.167	4.270	8.495	7.553	11.33	7.945	9.231	4.597	100-110	9.876	2750	99.5,115
120	6.303	5.455	6.209	5.794	8.370	5.556	6.453	5.402	110-120	6.593	2757	99.8,115
130	7.015	5.822	6.779	5.708	7.316	6.021	6.835	5.810	120-130	5.654	2763	100,115
140	0	0	0	0	0	0	0	0	130-140	0.6536	2763	100,115
150	0	0	0	0	0	0	0	0	140-150	0	2763	100,115
160	0	0	0	0	0	0	0	0	150-160	0	2763	100,115
170	0	0	0	0	0	0	0	0	160-170	0	2763	100,115
180	0	0	0	0	0	0	0	0	170-180	0	2763	100,115
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1421.7 lm

%lum = 51.4%

%lamp = 59.2%

Conical surface Flux(130deg): 2278.8 lm

%lum = 82.5%

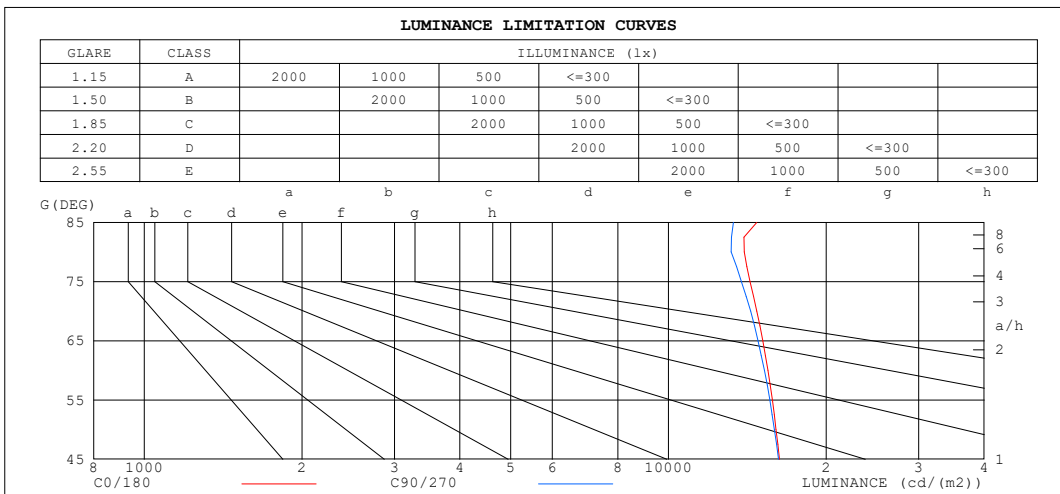
%lamp = 95.0%

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:03 February 2023

γ Range: 0 - 130DEG
 γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.340m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	14736	13292
80	13948	13163
75	14312	13779
70	14736	14337
65	15128	14817
60	15474	15236
55	15777	15605
50	16039	15925
45	16271	16205

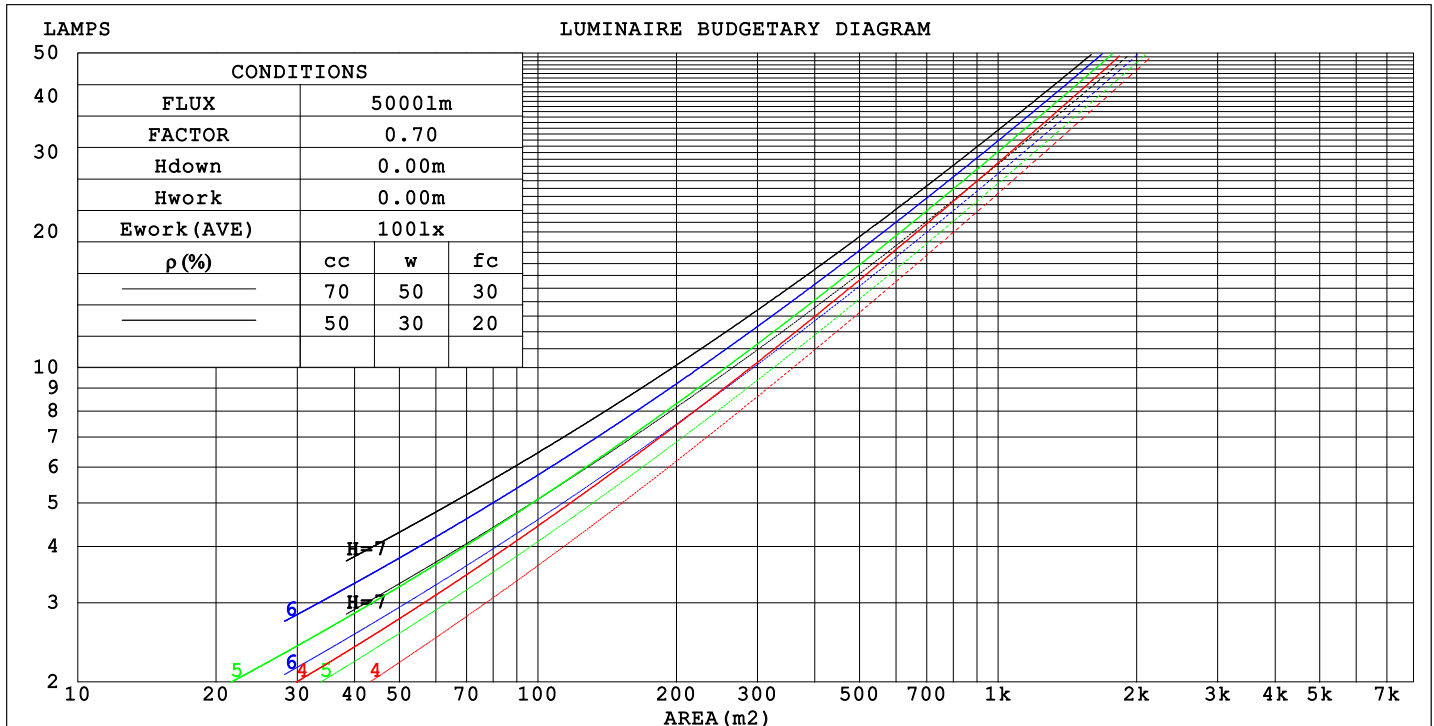
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 03 February 2023

γ Range: 0 - 130DEG
γ Interval: 2.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.340m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:03 February 2023

γ Range: 0 - 130DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.340m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.373	.212	.067	.364	.208	.066	.348	.199	.064	.333	.192	.062	.319	.185	.060	
2.0	.345	.189	.058	.337	.186	.057	.323	.180	.056	.310	.174	.054	.297	.168	.053	
3.0	.317	.169	.051	.310	.166	.050	.297	.161	.049	.286	.156	.048	.275	.152	.047	
4.0	.291	.151	.044	.285	.149	.044	.274	.145	.043	.263	.141	.043	.253	.138	.042	
5.0	.268	.137	.040	.263	.135	.039	.253	.132	.039	.243	.128	.038	.235	.125	.038	
6.0	.248	.124	.036	.243	.123	.035	.234	.120	.035	.226	.117	.035	.218	.115	.034	
7.0	.231	.114	.032	.226	.113	.032	.218	.110	.032	.211	.108	.031	.204	.106	.031	
8.0	.215	.105	.030	.211	.104	.029	.204	.102	.029	.197	.100	.029	.191	.098	.029	
9.0	.201	.097	.027	.198	.096	.027	.191	.095	.027	.185	.093	.027	.179	.091	.026	
10.0	.189	.091	.025	.186	.090	.025	.180	.088	.025	.175	.087	.025	.169	.085	.024	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.232	.232	.232	.198	.198	.198	.135	.135	.135	.078	.078	.078	.025	.025	.025	
1.0	.221	.192	.166	.189	.165	.143	.129	.113	.099	.074	.066	.057	.024	.021	.019	
2.0	.212	.164	.124	.182	.141	.107	.124	.098	.075	.072	.057	.044	.023	.018	.014	
3.0	.203	.144	.097	.174	.124	.084	.120	.086	.059	.069	.050	.035	.022	.016	.011	
4.0	.194	.129	.079	.167	.111	.069	.115	.078	.048	.066	.046	.029	.021	.015	.009	
5.0	.186	.117	.067	.159	.101	.058	.110	.071	.041	.064	.042	.024	.020	.014	.008	
6.0	.177	.108	.057	.152	.093	.050	.105	.065	.035	.061	.038	.021	.020	.013	.007	
7.0	.169	.100	.051	.146	.086	.044	.101	.061	.031	.058	.036	.019	.019	.012	.006	
8.0	.162	.093	.046	.139	.081	.040	.096	.057	.028	.056	.033	.017	.018	.011	.006	
9.0	.155	.087	.042	.133	.076	.036	.092	.053	.026	.054	.031	.015	.017	.010	.005	
10.0	.148	.082	.039	.128	.071	.034	.089	.050	.024	.052	.030	.014	.017	.010	.005	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:03 February 2023

γ Range: 0 - 130DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.340m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: 95EL218130W/WH					TYPE:			WEIGHT: 1			
SPEC.:					DIM.: F300 x 50			SERIAL No.: 0			
MFR.: Elmark Industries JSC					SUR.: round			Shielding Angle:			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H	19.3	20.8	19.6	21.0	21.3	19.2	20.7	19.5	21.0	21.2	
	20.9	22.3	21.2	22.6	22.8	20.8	22.2	21.1	22.5	22.7	
	21.6	22.9	21.9	23.2	23.5	21.5	22.8	21.8	23.1	23.4	
	22.1	23.4	22.5	23.7	24.0	22.0	23.3	22.3	23.5	23.9	
	22.3	23.6	22.7	23.9	24.2	22.2	23.4	22.5	23.7	24.0	
	22.5	23.7	22.9	24.0	24.3	22.3	23.5	22.7	23.8	24.1	
4H	2H	19.9	21.2	20.2	21.5	21.8	19.8	21.2	20.2	21.5	21.8
	3H	21.7	22.9	22.1	23.2	23.5	21.6	22.8	22.0	23.1	23.5
	4H	22.5	23.6	22.9	23.9	24.3	22.4	23.5	22.8	23.8	24.2
	6H	23.2	24.2	23.6	24.6	25.0	23.1	24.0	23.5	24.4	24.8
	8H	23.5	24.4	23.9	24.8	25.2	23.3	24.2	23.8	24.6	25.0
	12H	23.7	24.5	24.2	24.9	25.4	23.5	24.3	24.0	24.7	25.2
8H	4H	22.8	23.7	23.3	24.1	24.5	22.7	23.6	23.2	24.0	24.4
	6H	23.7	24.4	24.1	24.9	25.3	23.6	24.3	24.0	24.7	25.2
	8H	24.1	24.7	24.5	25.2	25.6	23.9	24.6	24.4	25.0	25.5
	12H	24.4	25.0	24.9	25.4	25.9	24.2	24.8	24.7	25.2	25.7
12H	4H	22.8	23.7	23.3	24.1	24.5	22.8	23.6	23.2	24.0	24.4
	6H	23.8	24.4	24.2	24.9	25.4	23.6	24.3	24.1	24.8	25.2
	8H	24.2	24.7	24.7	25.2	25.7	24.0	24.6	24.5	25.1	25.6
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.3					

CIE Pub.117, 2400 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.0)
Area: 0.05345 m2

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:03 February 2023

γ Range: 0 - 130DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.340m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

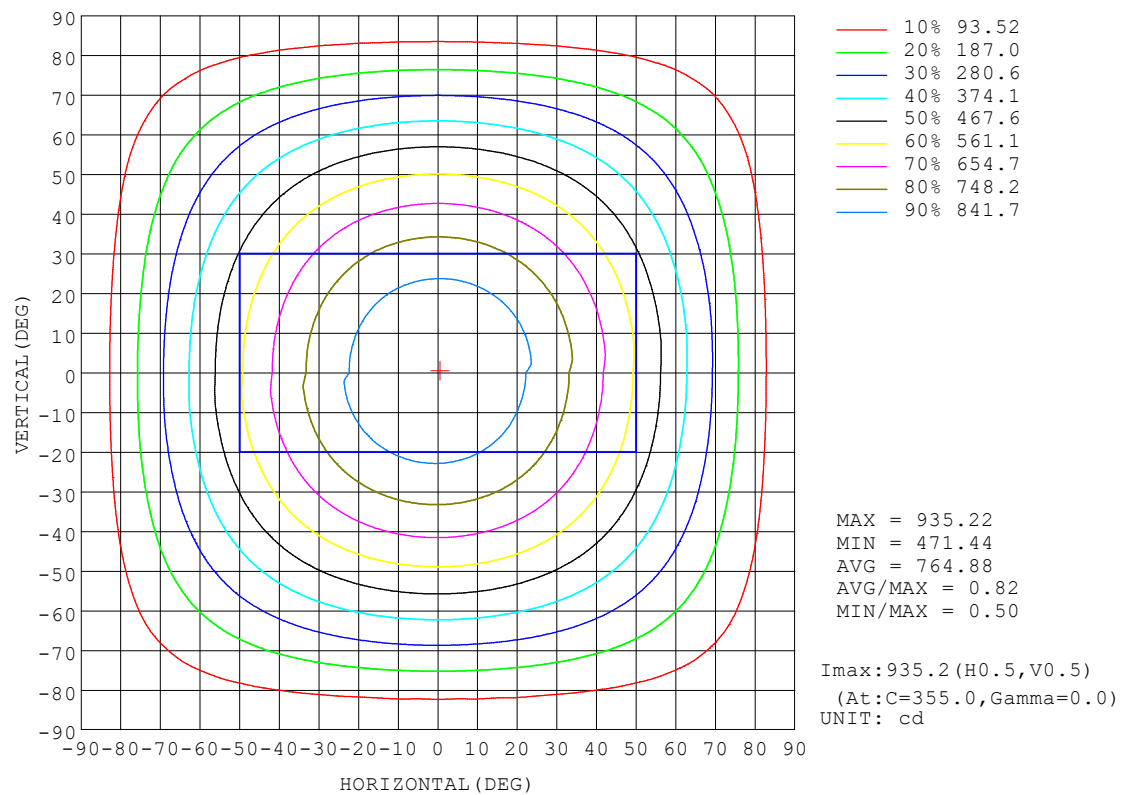
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	65	51	43	64	51	43	63	51	43	36
0.80	76	63	54	75	62	54	73	61	53	45
1.00	86	73	64	84	72	64	82	74	63	55
1.25	94	82	73	92	81	73	89	79	72	63
1.50	100	88	80	98	87	79	94	85	78	69
2.00	108	98	90	106	96	89	101	93	87	78
2.50	112	103	96	110	101	95	105	98	92	82
3.00	116	108	101	114	106	100	109	103	97	87
4.00	121	114	108	118	112	107	113	108	104	93
5.00	124	118	113	121	116	111	115	111	107	96
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 03 February 2023

γ Range: 0 - 130DEG
γ Interval: 2.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.340m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

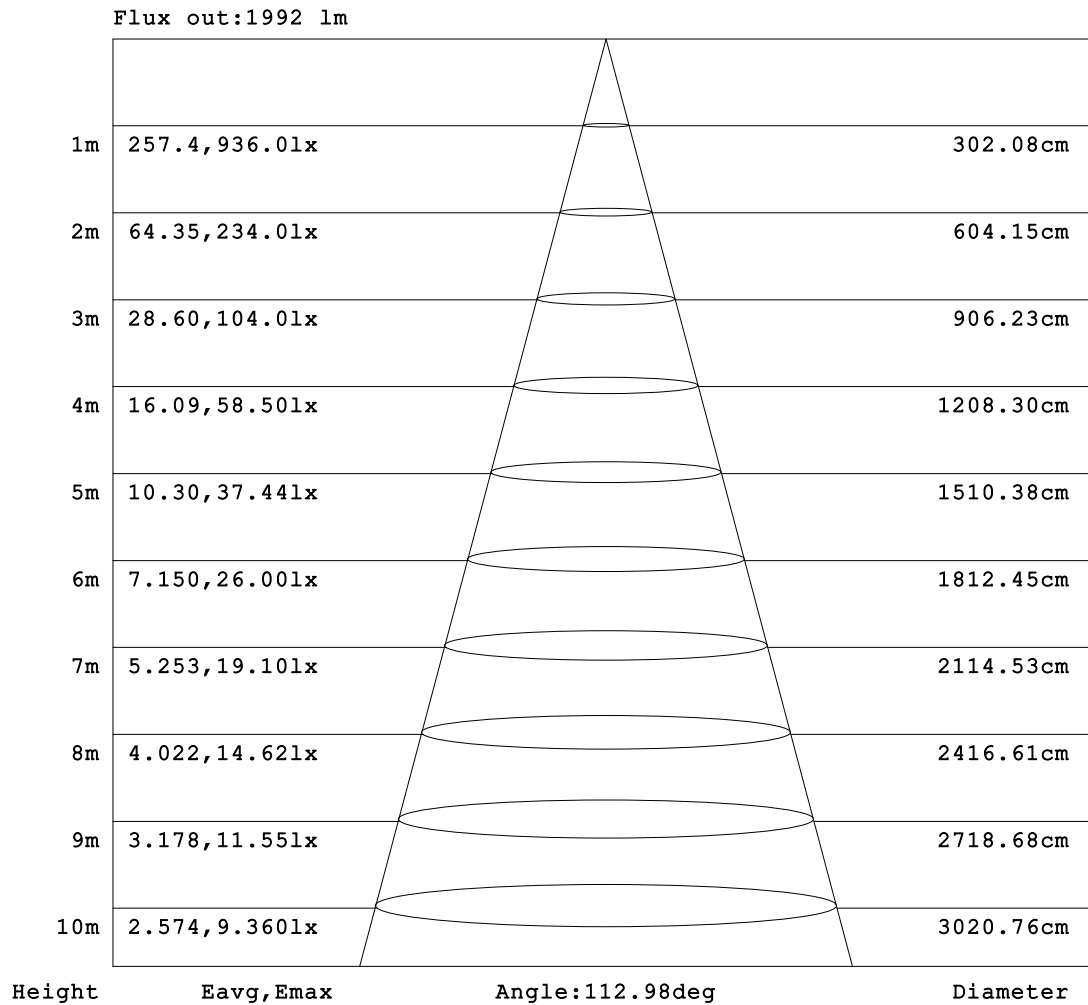


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature:25.3°C
 Operators:
 Test Date:03 February 2023

γ Range: 0 - 130DEG
 γ Interval: 2.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:6.340m [K=1.0000]
 Remarks:

AAI Figure

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:



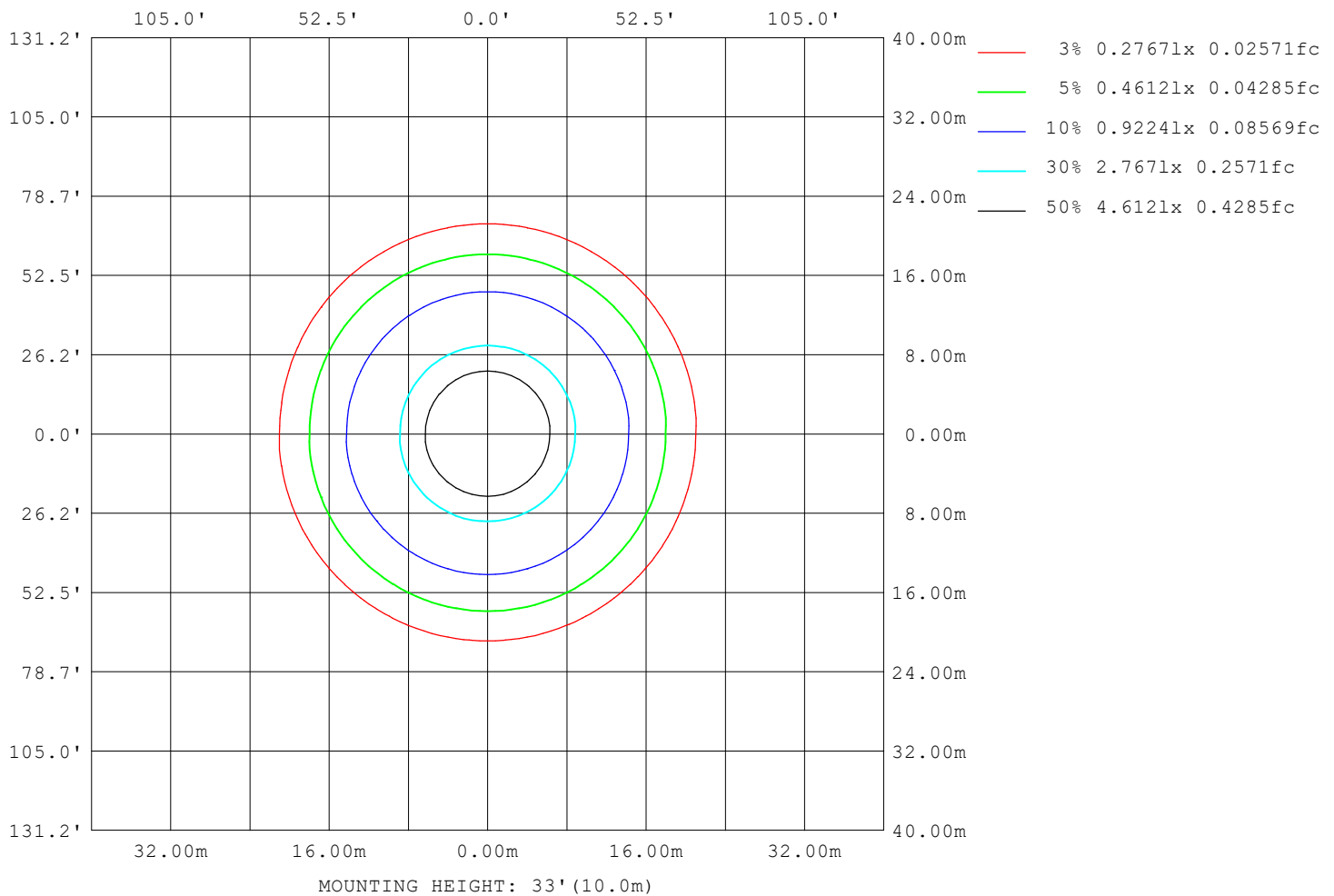
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:03 February 2023

γ Range: 0 - 130DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.340m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature: 25.3°C
Operators:
Test Date: 03 February 2023

γ Range: 0 - 130DEG
γ Interval: 2.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.340m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

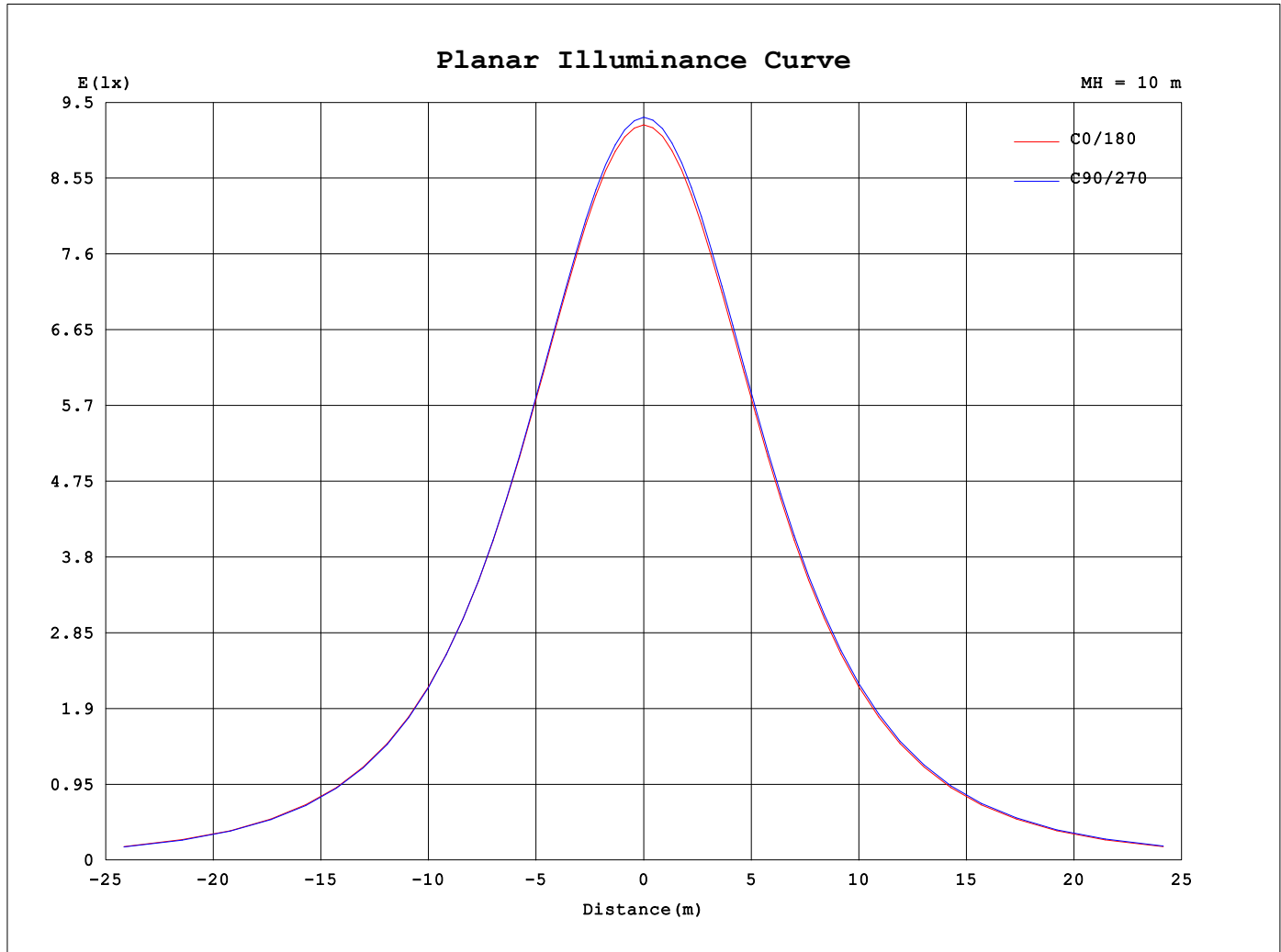
AvgL	cd/m2
L_0~180 (65) av	15252
L_0~180 (75) av	14428
L_0~180 (85) av	14784
L_90~270 (65) av	15187
L_90~270 (75) av	14355
L_90~270 (85) av	14754
L_45 (65) av	15222
L_45 (75) av	14399
L_45 (85) av	14813

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: MEDIUM
Temperature:25.3°C
Operators:
Test Date:03 February 2023

γ Range: 0 - 130DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.340m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: MEDIUM
 Temperature: 25.3°C
 Operators:
 Test Date: 03 February 2023

γ Range: 0 - 130DEG
 γ Interval: 2.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.340m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930
5	925	926	925	925	925	925	925	925	925	925	925	925	925	925	925	925	925	925	925
10	913	913	913	913	913	913	912	913	912	912	912	912	912	912	912	912	912	912	912
15	892	893	892	892	892	892	892	892	891	891	891	891	891	891	890	890	890	891	890
20	864	864	863	863	863	863	863	863	862	862	862	862	861	861	861	861	861	861	861
25	827	828	827	827	827	827	826	826	826	826	825	825	825	825	824	824	824	824	824
30	785	785	784	784	784	783	783	783	782	782	782	781	781	781	780	780	780	780	780
35	735	735	735	735	734	734	733	733	732	732	731	731	731	730	730	729	729	729	729
40	680	680	679	679	679	679	678	677	677	676	676	675	675	674	674	674	673	673	673
45	620	620	619	619	618	618	617	617	616	616	615	615	614	613	613	613	612	612	612
50	556	556	555	554	554	553	552	552	551	551	550	550	549	548	548	547	547	547	546
55	488	488	487	486	486	485	484	484	483	483	482	481	480	480	479	479	478	478	478
60	417	417	416	415	415	414	413	413	412	411	410	410	409	409	408	408	407	407	407
65	345	345	343	343	342	342	341	340	339	339	338	338	337	336	335	335	335	335	334
70	272	271	270	270	269	269	268	267	266	266	265	265	264	264	263	263	262	262	262
75	200	199	198	198	197	197	196	196	195	194	193	193	192	192	191	191	191	191	190
80	131	131	129	129	128	128	127	127	126	126	125	125	124	124	123	123	122	123	122
85	69.2	68.9	68.1	67.8	67.1	66.8	66.1	65.7	65.0	64.7	64.1	63.7	63.2	62.9	62.5	62.4	62.0	62.0	61.8
90	27.7	27.4	26.8	26.5	25.9	25.7	25.2	25.0	24.6	24.4	24.1	24.1	23.8	23.8	23.7	23.8	23.7	23.8	23.8
95	11.8	11.6	11.5	11.4	11.3	11.2	11.1	11.0	11.1	11.0	11.1	11.1	11.1	11.1	11.2	11.2	11.3	11.4	11.5
100	11.6	11.4	11.2	10.6	9.80	9.25	9.28	9.67	9.77	9.59	9.63	9.63	9.56	9.36	9.76	10.2	10.5	10.7	10.9
105	9.09	8.93	8.54	8.01	7.48	7.16	6.98	6.89	6.74	6.90	7.04	7.12	7.39	7.91	8.45	8.82	9.28	9.64	9.77
110	6.17	6.05	6.02	5.62	5.36	5.00	4.62	4.13	4.03	4.27	4.85	5.65	6.60	7.28	7.55	7.80	8.28	8.42	8.50
115	5.64	5.61	5.57	5.28	4.81	4.50	4.38	4.53	4.72	4.97	5.23	5.44	5.51	5.55	5.87	6.37	6.77	6.82	6.88
120	6.30	6.28	6.18	5.99	5.76	5.74	5.58	5.61	5.48	5.46	5.33	5.29	5.26	5.43	5.67	5.97	6.09	6.18	6.21
125	6.90	6.82	6.60	6.50	6.43	6.31	6.15	5.90	5.76	5.80	5.69	5.79	5.89	5.95	6.05	6.18	6.38	6.51	6.55
130	7.02	6.95	6.87	6.76	6.56	6.35	6.14	5.98	5.82	5.82	5.90	5.85	5.86	5.94	6.12	6.48	6.63	6.74	6.78
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: MEDIUM

Temperature:25.3°C

Operators:

Test Date:03 February 2023

γ Range: 0 - 130DEG

γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.340m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930
5	925	925	925	925	925	925	925	925	925	925	925	926	926	926	926	926	926	926	926
10	912	912	912	912	912	912	912	912	913	913	913	913	913	913	913	913	914	914	914
15	890	891	890	891	890	891	891	891	891	891	892	892	892	892	893	893	893	893	894
20	861	861	861	861	861	861	862	862	862	862	863	863	864	864	864	864	865	865	866
25	824	824	824	824	824	824	825	825	825	826	826	826	827	827	828	828	828	829	830
30	779	780	780	780	780	780	781	781	781	782	782	783	783	784	784	785	785	786	787
35	729	729	729	729	729	730	730	730	731	731	732	733	734	734	735	735	736	737	737
40	673	673	673	673	673	673	674	674	675	675	676	677	678	678	679	679	680	681	682
45	611	612	612	612	612	612	613	613	614	614	615	616	617	617	619	619	620	621	621
50	546	546	546	546	547	547	548	548	549	549	550	551	552	552	554	554	555	556	557
55	478	478	478	478	478	478	479	479	480	481	482	482	484	484	485	486	487	488	489
60	407	407	407	407	407	407	408	408	409	410	411	411	412	413	414	415	416	417	418
65	334	334	334	334	335	335	336	336	337	337	339	339	340	341	342	342	344	344	345
70	262	262	262	262	263	263	263	264	265	265	266	266	267	268	269	269	271	271	272
75	191	190	191	191	191	191	192	192	193	194	195	195	196	196	197	198	199	199	200
80	123	122	123	122	123	123	124	124	125	125	126	126	128	127	129	129	130	131	131
85	62.0	62.0	62.3	62.3	62.7	63.0	63.5	63.7	64.4	64.6	65.2	65.5	66.2	66.5	67.2	67.4	68.2	68.5	68.9
90	23.9	24.0	24.2	24.2	24.4	24.5	24.8	24.9	25.3	25.4	25.8	25.9	26.3	26.5	26.9	27.1	27.5	27.5	27.6
95	11.6	11.8	11.8	12.0	12.1	12.2	12.2	12.4	12.4	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.6	12.5	12.6
100	10.9	10.8	10.6	10.9	11.2	11.5	11.7	11.9	12.0	12.0	12.0	11.9	11.7	11.5	11.9	12.5	12.6	12.5	12.5
105	9.72	9.40	9.01	9.07	9.23	9.38	9.56	9.82	9.85	9.74	9.64	9.76	10.4	11.2	11.7	12.0	12.1	12.1	12.1
110	8.49	8.31	7.93	7.78	7.55	7.38	7.23	7.27	7.55	7.89	8.37	8.98	9.58	10.2	10.8	11.4	11.4	11.3	11.3
115	6.88	6.87	6.40	5.96	5.81	5.85	5.85	5.97	6.22	6.71	7.09	7.48	8.00	8.76	9.51	10.0	10.1	10.06	10.04
120	6.25	6.23	6.11	5.80	5.57	5.48	5.56	5.61	5.79	6.00	6.42	6.87	7.29	7.69	8.08	8.12	8.36	8.37	8.27
125	6.60	6.46	6.36	6.28	6.16	6.09	6.07	6.13	6.35	6.55	6.72	6.74	6.75	6.74	6.89	7.24	7.68	7.59	7.49
130	6.81	6.77	6.61	6.24	6.10	6.02	5.95	5.88	5.71	5.58	5.73	6.04	6.23	6.55	6.91	7.36	7.38	7.32	7.28
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: MEDIUM

Temperature:25.3°C

Operators:

Test Date:03 February 2023

γ Range: 0 - 130DEG

γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.340m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930
5	926	926	926	926	926	926	927	926	926	927	927	926	926	927	926	926	927	926	926
10	914	914	914	914	914	914	915	915	915	915	915	915	915	915	914	915	914	914	915
15	894	894	894	895	895	894	895	895	895	895	895	895	895	895	894	894	895	894	894
20	866	866	866	866	867	867	867	867	867	867	867	867	867	867	867	867	866	866	866
25	830	830	831	831	831	831	832	832	832	832	832	832	832	831	831	831	831	830	831
30	787	787	788	788	789	789	789	789	790	789	789	789	789	789	789	788	789	788	788
35	738	738	739	739	740	740	740	740	741	741	741	741	740	740	740	740	740	739	739
40	683	683	684	684	685	685	686	686	686	686	686	686	686	686	686	685	685	684	684
45	622	623	624	624	625	625	626	626	626	626	627	626	626	626	626	626	625	625	625
50	558	558	559	560	561	561	562	562	562	562	563	562	563	562	562	562	562	561	561
55	490	490	491	492	493	493	494	494	495	495	495	495	495	495	495	494	494	494	494
60	419	419	421	421	422	422	423	423	424	424	425	424	425	424	424	424	424	423	423
65	346	347	348	348	349	350	351	351	352	352	352	352	352	352	352	352	352	351	351
70	273	274	275	275	276	277	278	278	278	278	279	279	279	279	279	279	279	278	278
75	201	202	203	203	204	204	205	205	206	206	207	207	207	207	207	206	207	206	206
80	132	132	134	134	135	135	136	136	137	137	137	137	138	137	138	137	138	137	137
85	69.7	70.1	71.0	71.4	72.3	72.6	73.5	73.6	74.4	74.5	75.0	75.0	75.5	75.3	75.6	75.3	75.6	75.2	75.3
90	28.1	28.2	28.7	28.8	29.2	29.3	29.8	29.8	30.2	30.3	30.6	30.7	31.0	31.0	31.3	31.2	31.4	31.2	31.3
95	12.5	12.5	12.4	12.5	12.4	12.5	12.4	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
100	12.4	11.8	11.6	11.8	12.0	12.1	12.1	12.2	12.1	12.1	12.0	11.9	11.6	11.5	11.7	11.9	12.0	11.9	11.8
105	11.9	11.6	11.0	10.3	9.84	9.93	10.1	10.2	10.2	10.0	9.91	9.83	9.70	9.69	10.1	10.5	10.6	10.5	10.1
110	11.2	10.7	10.1	9.50	8.83	8.36	8.07	7.95	7.77	7.81	7.95	8.09	8.26	8.52	8.93	9.22	9.23	9.23	9.05
115	9.91	9.38	8.62	7.96	7.45	7.10	6.65	6.19	5.99	6.10	6.21	6.34	6.48	6.97	7.49	7.62	7.63	7.63	7.55
120	8.11	7.97	7.57	7.14	6.66	6.21	5.81	5.56	5.39	5.27	5.22	5.38	5.74	6.15	6.39	6.48	6.45	6.48	6.40
125	7.11	6.83	6.90	6.81	6.72	6.53	6.27	6.00	5.80	5.70	5.76	5.82	6.05	6.11	6.31	6.41	6.42	6.41	6.39
130	7.13	6.71	6.46	6.42	6.15	5.94	5.90	6.02	6.03	5.95	5.89	5.97	6.20	6.48	6.75	6.84	6.83	6.83	6.83
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: MEDIUM

Temperature:25.3°C

Operators:

Test Date:03 February 2023

γ Range: 0 - 130DEG

γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.340m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 95EL218130W/WH	TYPE:	WEIGHT: 1
SPEC.:	DIM.: F300 x 50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: round	Shielding Angle:

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	930	930	930	930	930	930	930	930	930	930	930	930	930	930	930				
5	926	926	926	926	926	926	926	926	926	926	926	926	926	925	925				
10	914	914	914	914	914	914	914	913	913	914	913	913	913	913	913				
15	894	894	894	894	894	893	893	893	893	893	893	893	892	892	892				
20	866	866	865	865	865	865	865	865	865	865	864	864	864	864	863				
25	830	830	830	830	829	829	829	829	828	829	828	829	828	828	827				
30	787	787	787	787	786	786	786	786	785	786	785	786	785	785	784				
35	738	738	738	738	737	737	737	737	736	737	736	736	736	736	735				
40	684	684	683	683	683	682	682	682	681	682	681	681	681	681	680				
45	624	624	623	623	623	623	622	622	622	622	621	622	621	621	620				
50	560	560	560	560	559	559	558	558	558	558	557	557	557	557	556				
55	493	493	492	492	491	491	491	491	490	490	490	490	489	489	488				
60	423	423	422	422	421	421	421	420	420	420	419	419	419	418	417				
65	351	351	350	350	349	349	349	348	348	348	347	347	346	346	345				
70	278	278	277	277	276	276	276	276	275	275	274	274	273	273	272				
75	206	206	205	205	204	204	204	203	203	202	202	202	201	201	200				
80	136	137	136	136	135	136	135	135	134	134	133	133	132	132	131				
85	74.9	75.0	74.5	74.6	74.0	73.9	73.3	73.2	72.6	72.4	71.6	71.5	70.6	70.4	69.6				
90	31.1	31.2	30.9	30.9	30.6	30.7	30.3	30.3	29.9	29.9	29.5	29.4	28.9	28.8	28.2				
95	12.5	12.5	12.5	12.5	12.5	12.4	12.4	12.3	12.2	12.1	12.0	11.9	11.9	11.7	11.7				
100	11.5	11.1	10.8	10.9	11.1	11.1	11.1	11.2	11.2	10.9	10.6	10.4	10.8	11.3	11.5				
105	9.69	9.24	8.76	8.21	8.07	8.11	8.03	7.90	7.82	7.68	7.60	7.90	8.31	8.71	8.90				
110	8.58	8.13	7.86	7.11	6.14	5.22	4.60	4.20	4.18	4.56	5.01	5.31	5.55	5.91	6.00				
115	7.12	6.48	6.16	6.01	5.89	5.45	4.97	4.68	4.42	4.23	4.27	4.65	5.11	5.44	5.51				
120	6.25	5.81	5.38	5.18	5.11	5.29	5.40	5.49	5.57	5.70	5.77	5.87	5.98	6.05	6.11				
125	6.13	6.09	5.89	5.88	5.74	5.76	5.95	6.17	6.31	6.40	6.36	6.34	6.23	6.48	6.76				
130	6.55	6.28	6.01	5.91	5.87	5.86	5.81	5.72	5.71	5.87	6.20	6.23	6.46	6.93	6.91				
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG

C Interval: 5.0DEG

Test Speed: MEDIUM

Temperature:25.3°C

Operators:

Test Date:03 February 2023

γ Range: 0 - 130DEG

γ Interval: 2.5DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456

Humidity:65.0%

Test Distance:6.340m [K=1.0000]

Remarks: