

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	385.3 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	2.0 degrees horizontal

Beam Spread	At 10% of Imax	140.3V x 148.3H
	At 50% of Imax	108.1V x 114.8H
	At 90% of Imax	52.5V x 53.8H

Beam Flux	Total	1025.4 lumens per klm.
	To 10% of Imax	1008.1 lumens per klm.
	To 50% of Imax	823.1 lumens per klm.
	To 90% of Imax	238.9 lumens per klm.

Upward LOR	0.0 %
Downward LOR	102.5 %

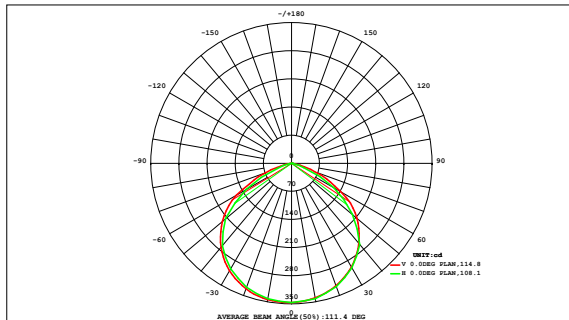
Luminaire Efficiency (Light Output Ratio)	102.7 %
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H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:01 July 2022

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 98Vega10Slim	TYPE: 98Vega10Slim	WEIGHT: 0.150
SPEC.:	DIM.: 105x65x50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangular	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	98Vega10Slim	Imax (cd)	346.7
NOMINAL POWER (W)	10	AVAILABILITY (%)	101.2
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	911.0
NOMINAL FLUX (lm)	900	LOR (%)	102.7
LAMPS INSIDE	1	TOTAL FLUX (lm)	924.4
TEST VOLTAGE (V)	230	θ @50% (H,V)	115,108DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	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	0.00
90	0.00	0.01	0.03	0.09	0.17	0.27	0.39	0.49	0.57	0.57	0.51	0.42	0.29	0.18	0.09	0.03	0.01	0.00	4.12	0.24
80	0.00	0.02	0.11	0.39	0.80	1.31	1.73	2.07	2.28	2.29	2.13	1.81	1.37	0.85	0.41	0.12	0.02	0.00	17.7	15.6
70	0.00	0.04	0.33	1.05	2.08	3.23	4.13	4.81	5.19	5.22	4.88	4.22	3.33	2.21	1.12	0.36	0.04	0.00	42.2	41.7
60	0.00	0.08	0.64	1.75	3.30	4.71	5.94	6.85	7.36	7.41	6.97	6.10	4.89	3.49	1.90	0.69	0.10	0.00	62.2	61.9
50	0.00	0.14	0.91	2.32	4.07	5.66	7.06	8.10	8.67	8.72	8.24	7.26	5.88	4.27	2.52	0.99	0.16	0.00	75.0	74.7
40	0.00	0.19	1.10	2.75	4.58	6.31	7.81	8.92	9.54	9.60	9.10	8.06	6.58	4.82	2.98	1.21	0.21	0.00	83.8	83.6
30	0.00	0.23	1.24	3.04	4.93	6.75	8.33	9.49	10.1	10.2	9.66	8.58	7.04	5.19	3.27	1.36	0.26	0.01	89.7	89.6
20	0.00	0.25	1.32	3.18	5.10	6.97	8.57	9.75	10.4	10.5	9.94	8.85	7.27	5.38	3.41	1.46	0.29	0.01	92.6	92.5
10	0.00	0.25	1.31	3.18	5.09	6.96	8.56	9.75	10.4	10.5	9.94	8.83	7.26	5.37	3.41	1.45	0.28	0.01	92.5	92.3
0	0.00	0.23	1.22	3.01	4.89	6.71	8.29	9.45	10.1	10.2	9.63	8.55	7.02	5.17	3.26	1.36	0.26	0.01	89.3	89.1
-10	0.00	0.19	1.08	2.72	4.53	6.25	7.75	8.85	9.47	9.53	9.02	7.98	6.52	4.78	2.95	1.19	0.21	0.00	83.0	82.8
-20	0.00	0.13	0.87	2.26	3.98	5.56	6.94	7.96	8.53	8.58	8.10	7.15	5.79	4.20	2.48	0.97	0.15	0.00	73.7	73.4
-30	0.00	0.07	0.60	1.66	3.15	4.50	5.68	6.56	7.05	7.10	6.68	5.86	4.70	3.35	1.83	0.67	0.09	0.00	59.6	59.2
-40	0.00	0.03	0.30	0.96	1.92	2.97	3.82	4.46	4.82	4.86	4.54	3.93	3.11	2.10	1.04	0.33	0.03	0.00	39.2	38.6
-50	0.00	0.01	0.09	0.35	0.75	1.32	1.77	2.14	2.36	2.37	2.14	1.78	1.35	0.80	0.38	0.10	0.01	0.00	17.7	15.7
-60	0.00	0.01	0.01	0.03	0.06	0.11	0.18	0.27	0.35	0.34	0.27	0.18	0.11	0.06	0.03	0.01	0.01	0.00	2.02	0.00
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00
-80	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	0.00
-90	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	0.00
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	0.05	1.88	11.2	28.7	49.4	69.6	87.0	99.9	107	108	102	89.6	72.5	52.2	31.1	12.3	2.13	0.06	924	---
Φ a	0.00	0.93	10.3	28.0	48.7	68.7	86.1	99.0	106	107	101	88.7	71.7	51.5	30.4	11.5	1.13	0.00	---	911

one-half-peak spread: U:53.5,D:55.0 , L:58.8,R:56.5

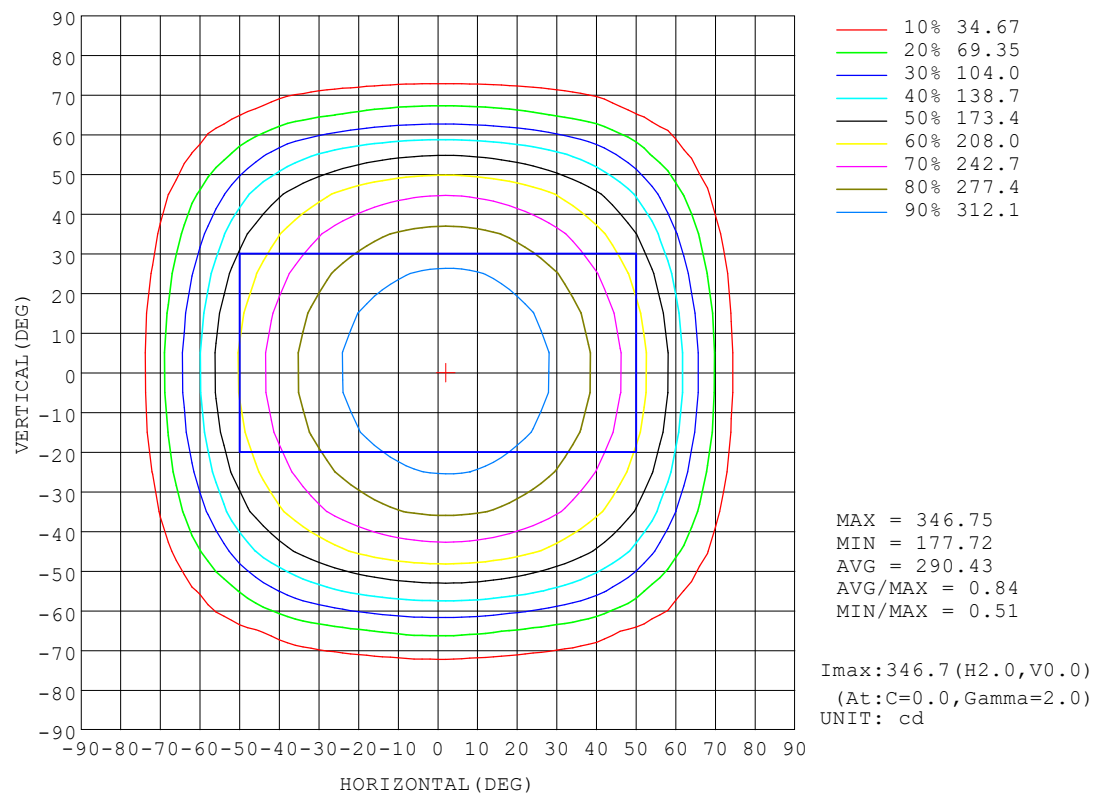
NEMA Beam Type: Type 7

H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:01 July 2022

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: 98Vega10Slim	TYPE: 98Vega10Slim	WEIGHT: 0.150
SPEC.:	DIM.: 105x65x50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangular	Shielding Angle:

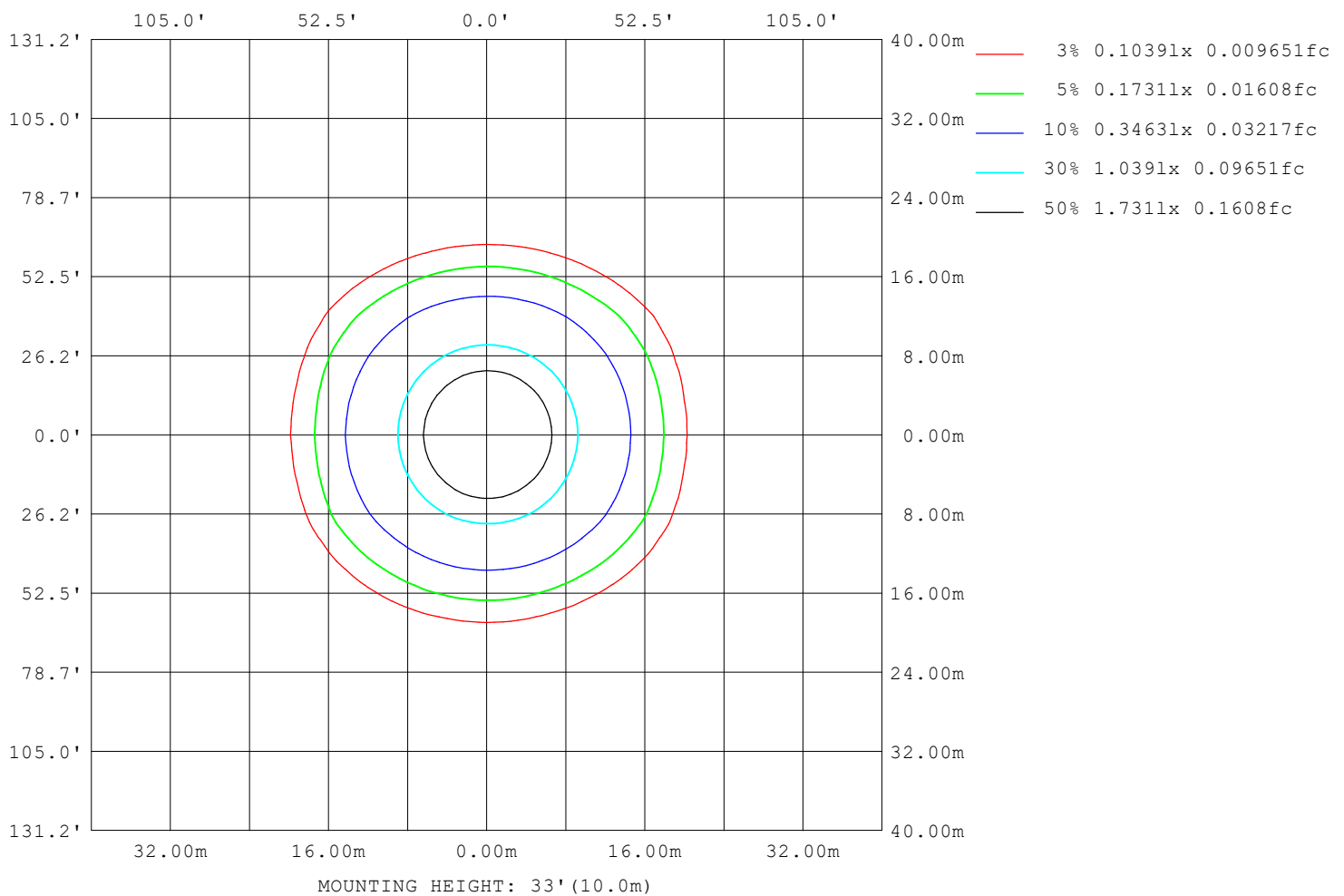


H(β) Range: -90 - 90DEG
 H(β) Interval: 2.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 01 July 2022

V(B) Range: -80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.265m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

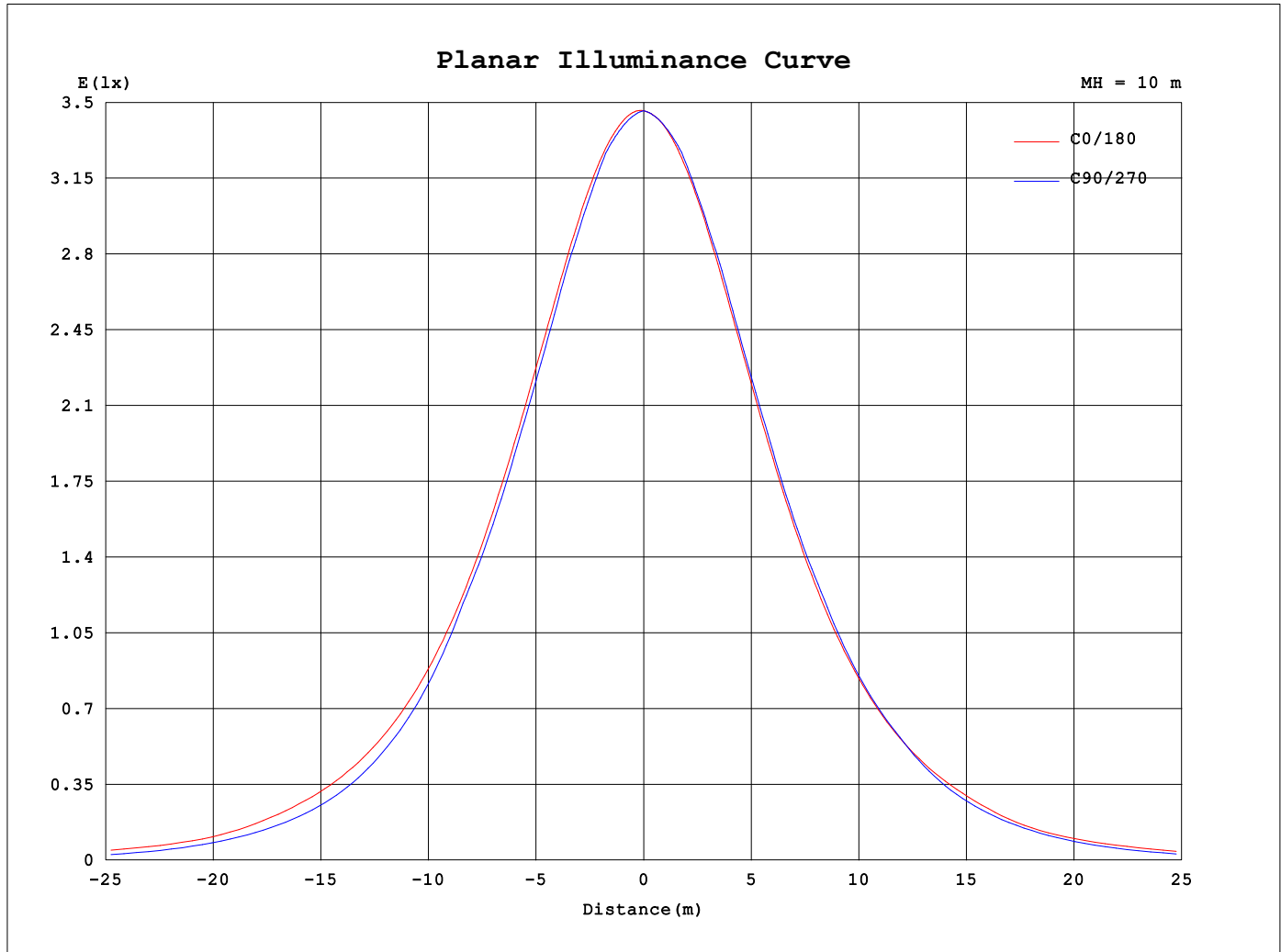
NAME: 98Vega10Slim	TYPE: 98Vega10Slim	WEIGHT: 0.150
SPEC.:	DIM.: 105x65x50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangular	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:01 July 2022

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

Planar Illuminance Curve

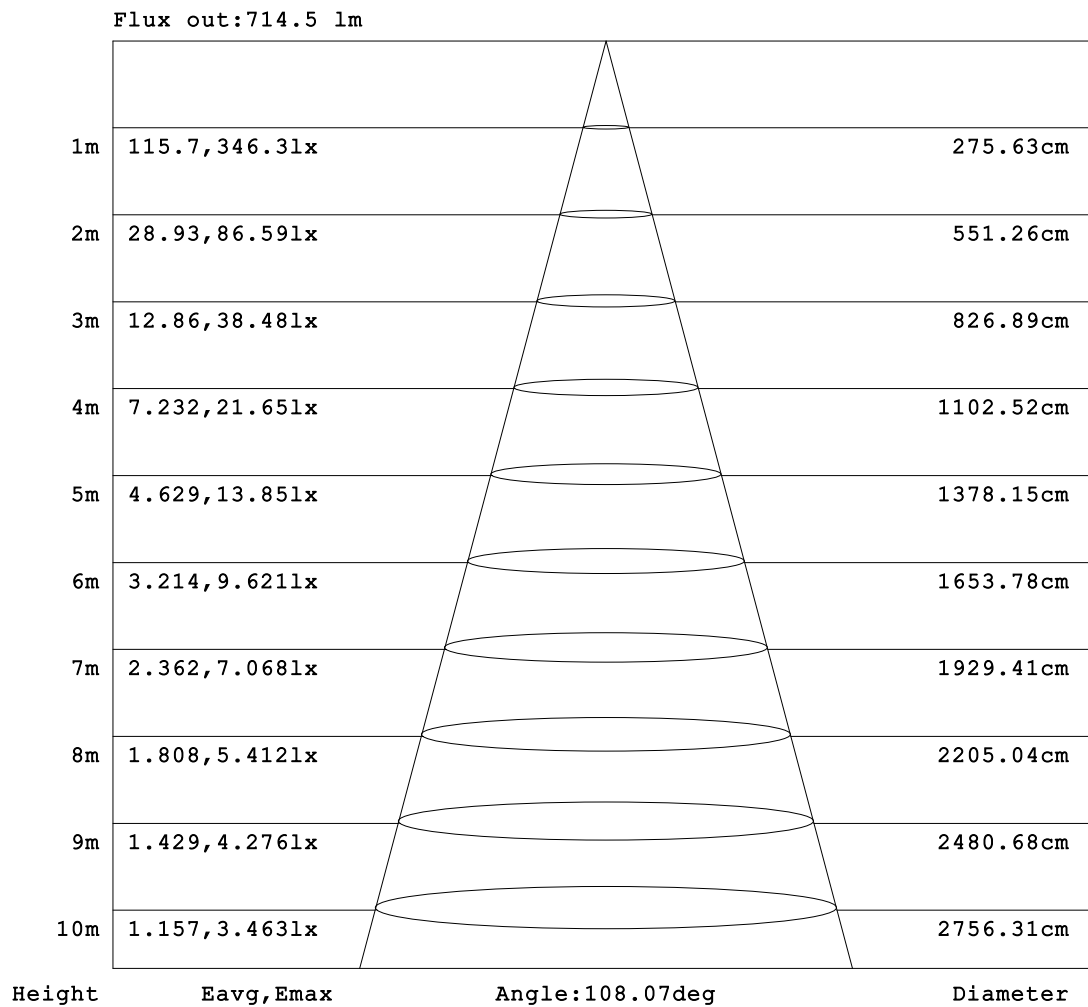


H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:01 July 2022

V(B) Range:-80 - 80DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

AAI Figure

NAME: 98Vega10Slim	TYPE: 98Vega10Slim	WEIGHT: 0.150
SPEC.:	DIM.: 105x65x50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangular	Shielding Angle:



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

H(β) Range: -90 - 90DEG
 H(β) Interval: 2.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 01 July 2022

V(B) Range: -80 - 80DEG
 V(B) Interval: 5.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.265m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 98Vega10Slim	TYPE: 98Vega10Slim	WEIGHT: 0.150
SPEC.:	DIM.: 105x65x50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangular	Shielding Angle:

Table--1

UNIT: cd

H(°) \ V(°)	-90	-86	-80	-76	-70	-66	-60	-56	-50	-46	-40	-36	-30	-26	-20	-16	-10	-6	0
-90	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
-85	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
-80	0.26	0.26	0.29	0.32	0.40	0.48	0.62	0.74	0.94	1.10	1.39	1.61	2.06	2.39	2.88	3.19	3.57	3.76	3.86
-75	0.27	0.27	0.41	0.62	1.11	1.60	2.52	3.24	4.40	5.17	6.98	8.31	10.5	11.7	13.9	15.4	16.7	18.3	18.6
-70	0.28	0.28	0.53	0.92	1.82	2.73	4.42	5.74	7.85	9.23	12.6	15.0	18.9	21.0	24.8	27.6	29.9	32.9	33.2
-65	0.29	0.31	0.79	1.56	3.31	7.13	13.5	19.6	28.7	33.8	43.2	50.5	57.7	61.5	67.1	70.6	74.0	76.4	77.3
-60	0.30	0.33	1.05	2.21	4.79	11.5	22.6	33.5	49.5	58.3	73.8	85.9	96.6	102	109	114	118	120	121
-55	0.31	0.36	1.43	3.06	10.1	19.8	36.7	52.2	70.9	85.3	105	116	129	136	145	150	155	158	159
-50	0.32	0.39	1.80	3.90	15.4	28.0	50.8	70.9	92.3	112	136	147	161	170	181	186	193	195	198
-45	0.33	0.42	2.31	5.59	22.5	39.3	68.5	87.8	119	139	162	175	191	201	212	218	225	229	231
-40	0.35	0.46	2.82	7.28	29.5	50.6	86.2	105	146	166	189	202	221	231	244	251	258	262	264
-35	0.36	0.49	3.24	9.74	36.6	58.1	95.4	119	161	180	204	218	237	248	261	268	276	280	282
-30	0.37	0.52	3.65	12.2	43.7	65.6	105	133	175	194	219	234	254	265	279	286	294	298	300
-25	0.38	0.54	4.02	14.8	48.6	75.4	114	146	185	204	230	246	266	277	291	299	307	311	313
-20	0.39	0.57	4.38	17.4	53.5	85.2	123	159	195	215	242	258	278	290	304	311	320	324	326
-15	0.39	0.58	4.58	18.8	55.8	88.8	129	166	201	221	248	265	285	297	311	319	327	331	334
-10	0.40	0.59	4.78	20.1	58.2	92.5	134	172	207	227	255	272	292	304	319	326	335	339	342
-5	0.40	0.63	4.89	21.1	59.6	94.1	137	175	210	230	258	274	295	307	321	329	337	341	344
0	0.41	0.66	5.00	22.1	61.1	95.8	141	177	212	233	261	277	298	309	324	332	340	344	346
5	0.42	0.61	4.94	21.3	60.0	94.6	138	175	210	231	258	275	296	307	322	329	338	341	344
10	0.42	0.55	4.88	20.5	58.9	93.4	136	173	208	229	256	272	293	305	319	327	335	339	342
15	0.43	0.54	4.71	19.2	56.7	90.1	130	167	203	223	250	266	287	298	313	320	329	332	335
20	0.43	0.52	4.54	18.0	54.5	86.8	124	161	197	217	244	260	280	292	306	313	322	325	328
25	0.44	0.50	4.22	15.8	50.3	77.6	116	149	187	207	233	248	268	280	294	301	309	313	316
30	0.44	0.48	3.90	13.6	46.1	68.4	107	137	178	197	222	237	257	268	282	289	297	301	303
35	0.45	0.49	3.50	11.2	38.6	60.5	98.0	122	164	183	207	222	241	251	265	272	280	283	286
40	0.45	0.49	3.11	8.71	31.1	52.6	88.9	108	150	169	192	206	224	235	248	255	262	266	268
45	0.45	0.48	2.57	6.53	24.1	41.9	72.8	93.2	126	147	170	183	200	210	222	229	236	239	241
50	0.45	0.47	2.04	4.34	17.2	31.2	56.6	78.4	102	124	148	160	176	185	196	202	209	212	214
55	0.45	0.46	1.64	3.50	11.6	22.3	41.3	57.8	78.8	94.1	115	127	140	147	157	162	167	170	172
60	0.45	0.45	1.25	2.65	5.93	13.3	25.9	37.2	55.7	63.8	82.2	93.4	104	110	117	122	126	128	130
65	0.45	0.44	1.00	1.96	4.23	8.48	16.1	22.9	34.2	39.5	51.0	57.7	65.1	69.2	74.2	77.3	81.1	82.5	83.5
70	0.45	0.43	0.75	1.27	2.52	3.64	6.17	8.59	12.7	15.3	19.8	21.9	26.3	28.6	31.1	33.1	36.1	37.0	37.6
75	0.45	0.43	0.62	0.93	1.64	2.27	3.67	4.99	7.24	8.63	11.1	12.3	14.8	16.2	17.7	18.9	20.7	21.3	21.6
80	0.45	0.43	0.49	0.58	0.76	0.90	1.18	1.39	1.75	1.99	2.38	2.69	3.26	3.69	4.33	4.73	5.25	5.51	5.67
85	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
90	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

H(β) Range:-90 - 90DEG

H(β) Interval: 2.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:01 July 2022

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

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

Humidity:65.0%

Test Distance:6.265m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 98Vega10Slim	TYPE: 98Vega10Slim	WEIGHT: 0.150
SPEC.:	DIM.: 105x65x50	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: rectangular	Shielding Angle:

Table--2

UNIT: cd

H (DEG) V (DEG)	4	10	14	20	24	30	34	40	44	50	54	60	64	70	74	80	84	90	
-90	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	
-85	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	
-80	3.79	3.53	3.29	2.88	2.58	2.13	1.85	1.51	1.31	1.05	0.90	0.70	0.59	0.45	0.40	0.32	0.29	0.23	
-75	18.4	16.9	15.8	14.2	12.4	10.4	9.34	7.17	5.72	4.55	3.77	2.66	2.02	1.20	0.82	0.45	0.33	0.23	
-70	33.1	30.2	28.4	25.5	22.3	18.6	16.8	12.8	10.1	8.05	6.63	4.62	3.45	1.94	1.23	0.57	0.37	0.23	
-65	77.1	74.7	72.2	68.0	64.1	58.2	54.4	46.5	38.6	30.6	23.4	14.7	9.63	3.51	2.18	0.82	0.43	0.24	
-60	121	119	116	111	106	97.8	92.0	80.2	67.1	53.2	40.2	24.8	15.8	5.07	3.14	1.07	0.49	0.24	
-55	159	157	154	148	143	133	126	112	98.8	78.4	61.8	40.9	28.7	11.0	4.65	1.48	0.57	0.24	
-50	198	195	192	186	180	168	159	143	130	104	83.4	57.0	41.6	16.9	6.17	1.89	0.66	0.25	
-45	231	228	225	218	211	198	188	170	157	130	108	74.7	54.5	24.7	11.1	2.41	0.74	0.26	
-40	264	261	258	250	242	229	217	198	183	157	132	92.5	67.4	32.4	16.1	2.92	0.83	0.26	
-35	282	280	276	268	260	246	234	214	198	171	148	104	79.4	41.0	20.7	3.43	0.95	0.27	
-30	301	298	294	285	278	263	251	230	214	186	165	115	91.5	49.6	25.3	3.93	1.07	0.28	
-25	314	311	307	298	291	276	264	242	225	196	175	127	97.8	53.7	28.4	4.28	1.16	0.28	
-20	327	324	320	311	303	288	276	254	236	207	184	139	104	57.8	31.6	4.62	1.26	0.29	
-15	334	332	328	319	311	296	284	261	243	214	191	146	109	61.5	33.7	4.87	1.35	0.30	
-10	342	339	336	327	319	304	291	268	251	220	197	153	114	65.3	35.7	5.12	1.43	0.30	
-5	344	342	338	329	321	306	294	271	253	222	199	156	115	66.5	36.7	5.22	1.45	0.31	
0	347	344	341	332	324	309	296	273	255	224	201	159	117	67.8	37.6	5.33	1.46	0.31	
5	345	342	338	330	322	307	294	271	253	223	200	156	115	66.8	36.9	5.27	1.46	0.32	
10	342	340	336	328	320	305	292	269	251	221	198	153	114	65.8	36.2	5.21	1.45	0.33	
15	335	333	329	320	313	297	285	262	245	215	192	147	110	62.0	34.1	5.00	1.37	0.34	
20	328	326	322	313	305	290	278	255	238	208	185	140	105	58.2	31.9	4.78	1.29	0.35	
25	316	313	310	301	293	278	266	244	227	198	176	129	98.8	54.3	29.2	4.45	1.20	0.35	
30	303	301	297	289	281	267	255	233	216	188	167	118	92.8	50.4	26.5	4.13	1.11	0.36	
35	286	283	279	271	263	249	237	217	201	174	151	106	81.3	41.9	21.6	3.63	1.00	0.37	
40	268	265	262	253	246	232	220	200	185	159	135	93.9	69.8	33.3	16.7	3.14	0.89	0.37	
45	241	238	235	227	220	207	196	178	163	136	113	78.7	57.8	26.3	12.5	2.59	0.81	0.38	
50	214	211	208	201	194	182	172	155	141	113	90.7	63.5	45.8	19.2	8.24	2.04	0.73	0.39	
55	172	169	166	160	154	144	136	121	107	85.2	67.5	45.7	32.3	13.1	5.92	1.62	0.66	0.39	
60	129	127	125	119	115	106	99.5	87.0	73.1	57.5	44.2	28.0	18.8	6.96	3.61	1.21	0.59	0.40	
65	83.4	81.9	80.1	76.5	73.2	67.4	62.5	54.2	45.5	35.5	27.5	17.2	11.6	4.73	2.60	0.97	0.54	0.40	
70	37.5	36.7	35.7	33.7	31.8	28.7	25.5	21.4	17.9	13.5	10.7	6.47	4.38	2.51	1.58	0.73	0.48	0.41	
75	21.5	21.0	20.3	19.0	17.9	16.0	14.2	11.9	9.97	7.57	6.04	3.74	2.60	1.58	1.09	0.60	0.45	0.41	
80	5.58	5.24	4.93	4.36	3.94	3.28	2.86	2.33	2.02	1.60	1.34	1.01	0.83	0.64	0.59	0.47	0.41	0.41	
85	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	
90	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	

H(β) Range:-90 - 90DEG

H(β) Interval: 2.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:01 July 2022

V(B) Range:-80 - 80DEG

V(B) Interval: 5.0DEG

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

Humidity:65.0%

Test Distance:6.265m [K=1.0000]

Remarks: