

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1553.4 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	82.2V x 82.2H
	At 50% of Imax	42.7V x 42.4H
	At 90% of Imax	14.1V x 14.2H

Beam Flux	Total	1001.1 lumens per klm.
	To 10% of Imax	933.4 lumens per klm.
	To 50% of Imax	464.7 lumens per klm.
	To 90% of Imax	76.1 lumens per klm.

Upward LOR	0.0 %
Downward LOR	100.1 %

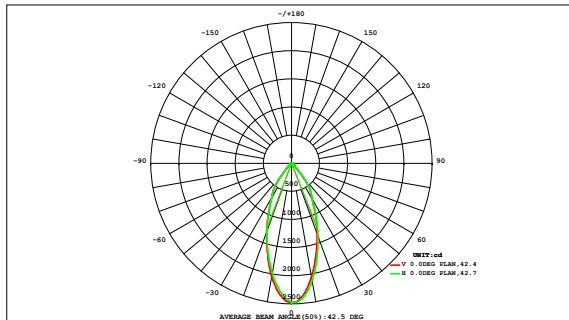
Luminaire Efficiency (Light Output Ratio)	100.0 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 24 August 2022

γ Range: 0 - 90DEG
γ Interval: 2.5DEG
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: 92FLCOM2040/BL	TYPE: 92FLCOM2040/BL	WEIGHT: 1
SPEC.:	DIM.: F 110 x 125	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circular	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	92FLCOM2040/BL	Imax (cd)	2485
NOMINAL POWER (W)	20	AVAILABILITY (%)	93.2
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	1491
NOMINAL FLUX (lm)	1600	LOR (%)	100.0
LAMPS INSIDE	1	TOTAL FLUX (lm)	1600
TEST VOLTAGE (V)	230	θ @50% (H,V)	42,43DEG

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	0.03	0.00
90	0.00	0.00	0.00	0.01	0.02	0.04	0.06	0.08	0.09	0.09	0.08	0.06	0.03	0.01	0.00	0.00	0.00	0.00	0.57	0.00
80	0.00	0.00	0.01	0.05	0.10	0.18	0.26	0.31	0.34	0.32	0.29	0.23	0.16	0.09	0.04	0.01	0.00	0.00	2.38	0.00
70	0.00	0.00	0.04	0.11	0.24	0.43	0.65	0.84	0.91	0.84	0.68	0.47	0.31	0.19	0.10	0.03	0.00	0.00	5.85	0.00
60	0.00	0.01	0.06	0.19	0.46	0.91	1.52	2.44	3.52	3.48	2.36	1.18	0.58	0.30	0.15	0.06	0.01	0.00	17.2	0.69
50	0.00	0.02	0.09	0.30	0.77	1.90	5.84	11.9	15.3	15.2	11.6	5.53	1.49	0.46	0.21	0.08	0.01	0.00	70.6	57.6
40	0.00	0.02	0.12	0.40	1.20	5.54	15.1	22.8	28.5	28.4	22.3	14.5	5.01	0.80	0.25	0.10	0.02	0.00	145	137
30	0.00	0.03	0.14	0.49	2.00	10.8	21.8	36.0	47.2	47.6	35.4	20.9	10.0	1.54	0.30	0.11	0.02	0.00	234	228
20	0.00	0.03	0.15	0.55	2.82	13.4	27.0	46.8	65.0	65.0	46.4	25.8	12.7	2.33	0.33	0.12	0.03	0.00	309	303
10	0.00	0.03	0.15	0.53	2.88	13.6	27.2	48.0	67.2	67.0	47.2	26.2	13.0	2.40	0.34	0.13	0.03	0.00	316	310
0	0.00	0.03	0.14	0.44	2.00	11.1	22.2	37.9	50.6	50.0	36.8	21.5	10.5	1.61	0.30	0.12	0.02	0.00	245	239
-10	0.00	0.02	0.12	0.33	1.08	6.06	15.7	23.7	30.3	30.0	23.3	15.4	5.54	0.79	0.26	0.10	0.02	0.00	153	146
-20	0.00	0.02	0.09	0.24	0.58	1.78	6.67	13.1	16.6	16.4	12.8	6.25	1.52	0.43	0.21	0.08	0.01	0.00	76.7	66.1
-30	0.00	0.01	0.07	0.17	0.33	0.61	1.20	2.53	3.81	3.68	2.26	1.01	0.51	0.29	0.16	0.06	0.01	0.00	16.7	2.37
-40	0.00	0.00	0.04	0.11	0.21	0.32	0.44	0.56	0.62	0.60	0.53	0.42	0.31	0.20	0.10	0.04	0.00	0.00	4.49	0.00
-50	0.00	0.00	0.01	0.06	0.11	0.18	0.24	0.29	0.31	0.31	0.28	0.23	0.17	0.10	0.05	0.01	0.00	0.00	2.36	0.00
-60	0.00	0.00	0.00	0.01	0.03	0.06	0.09	0.11	0.12	0.11	0.10	0.08	0.05	0.03	0.01	0.00	0.00	0.00	0.78	0.00
-70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	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	0.00	0.23	1.24	3.99	14.8	66.9	146	247	330	329	242	140	61.9	11.6	2.81	1.06	0.19	0.00	1600	---
Φ a	0.00	0.00	0.00	0.00	1.24	55.2	137	239	322	321	234	131	50.4	0.66	0.00	0.00	0.00	0.00	---	1491

one-half-peak spread: U:22.1,D:20.9 , L:21.8,R:21.0

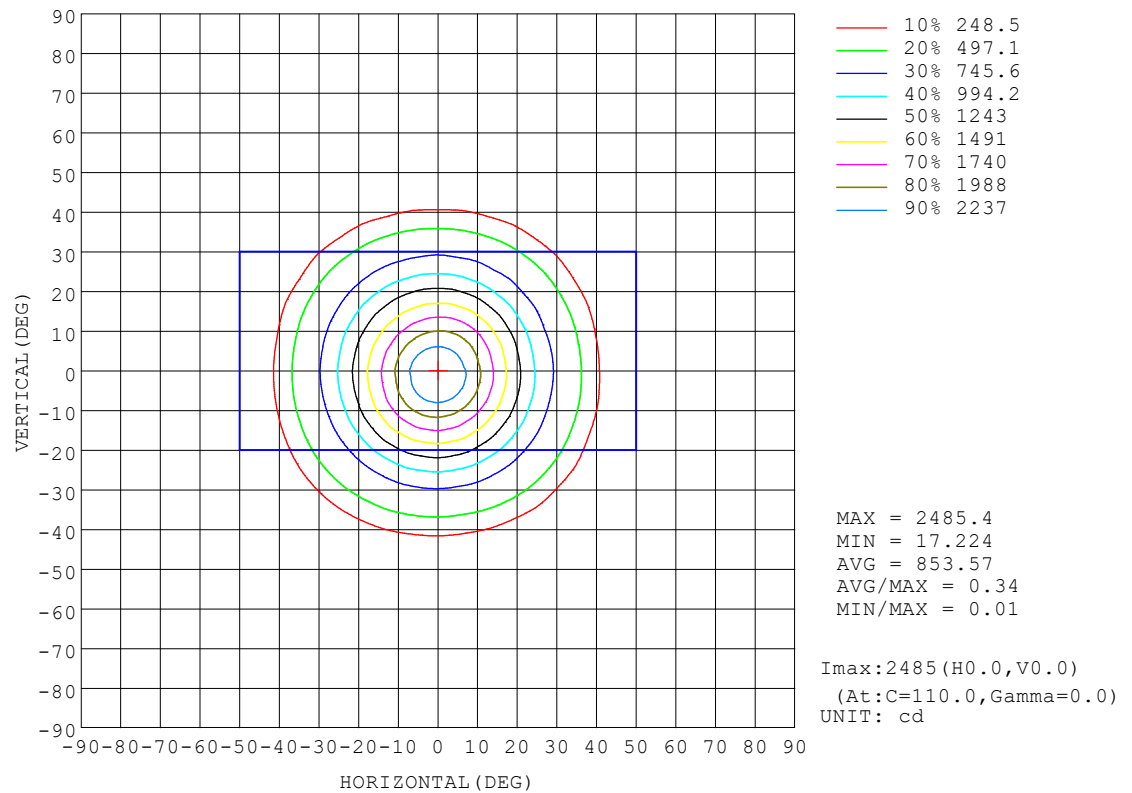
NEMA Beam Type: Type 5

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:24 August 2022

γ Range: 0 - 90DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: 92FLCOM2040/BL	TYPE: 92FLCOM2040/BL	WEIGHT: 1
SPEC.:	DIM.: F 110 x 125	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circular	Shielding Angle:

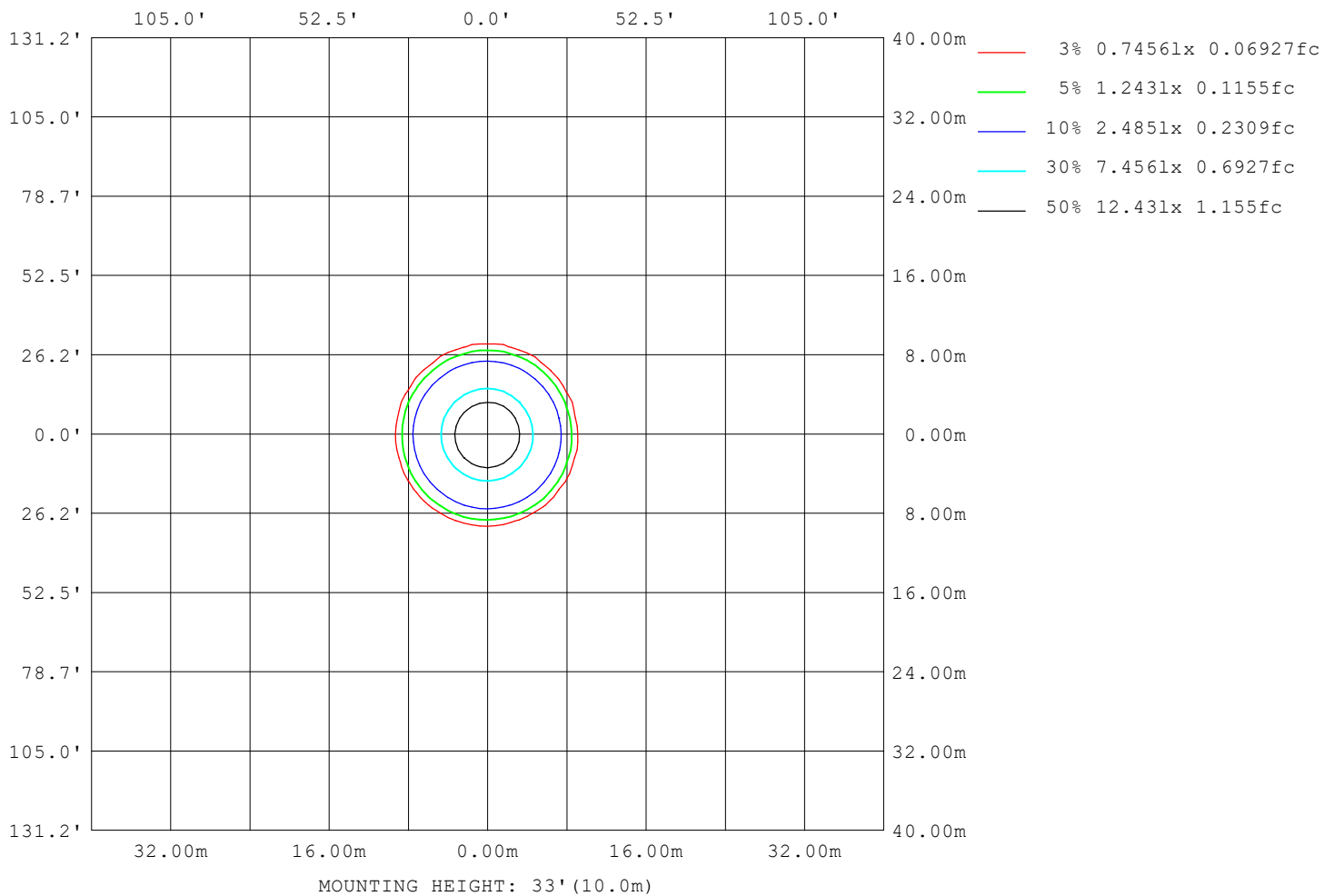


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Temperature:25.3°C
Operators:
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Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

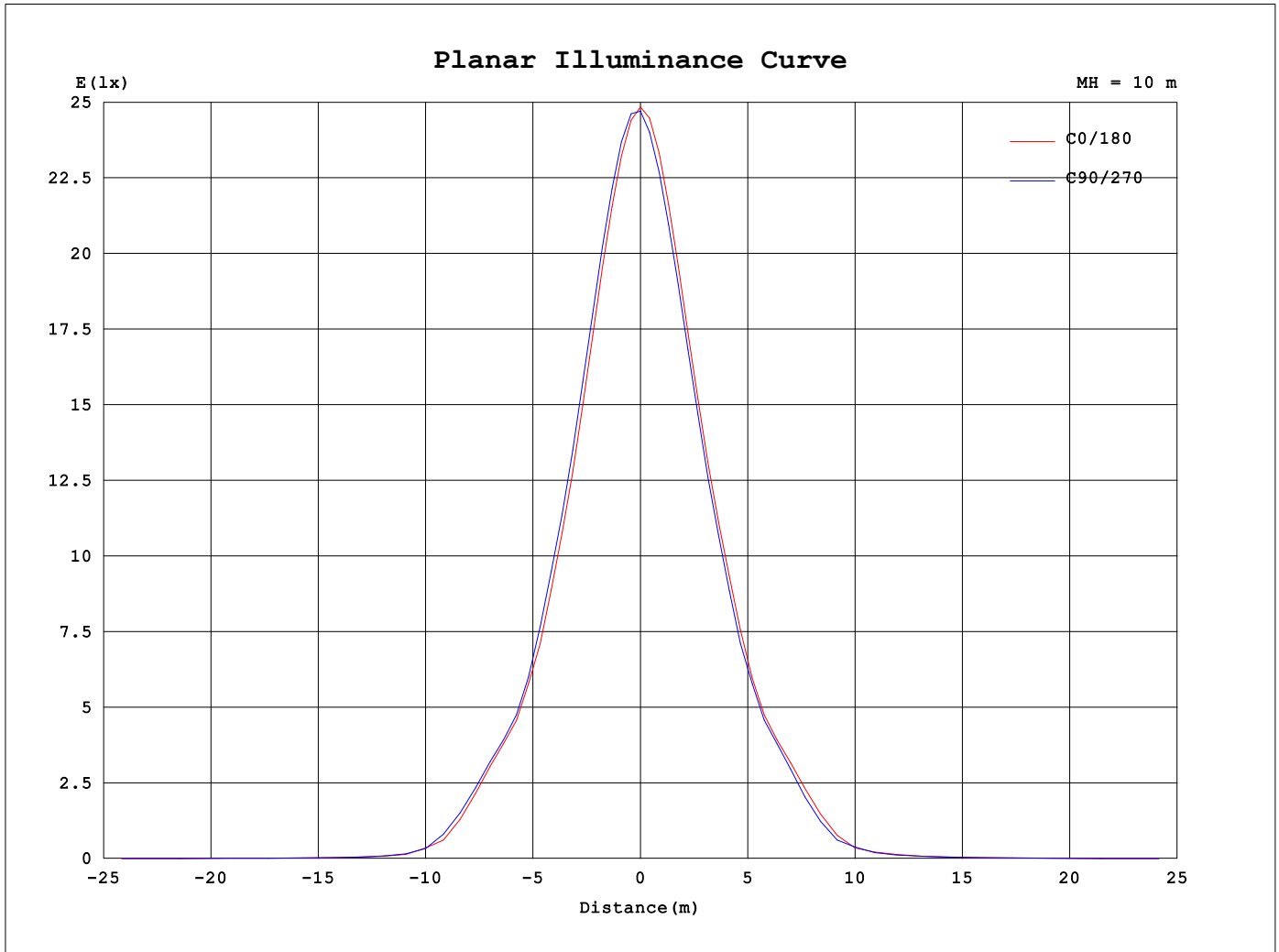
NAME: 92FLCOM2040/BL	TYPE: 92FLCOM2040/BL	WEIGHT: 1
SPEC.:	DIM.: F 110 x 125	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circular	Shielding Angle:



C Range: 0 - 360DEG
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γ Interval: 2.5DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
Test Distance: 6.265m [K=1.0000]
Remarks:

Planar Illuminance Curve

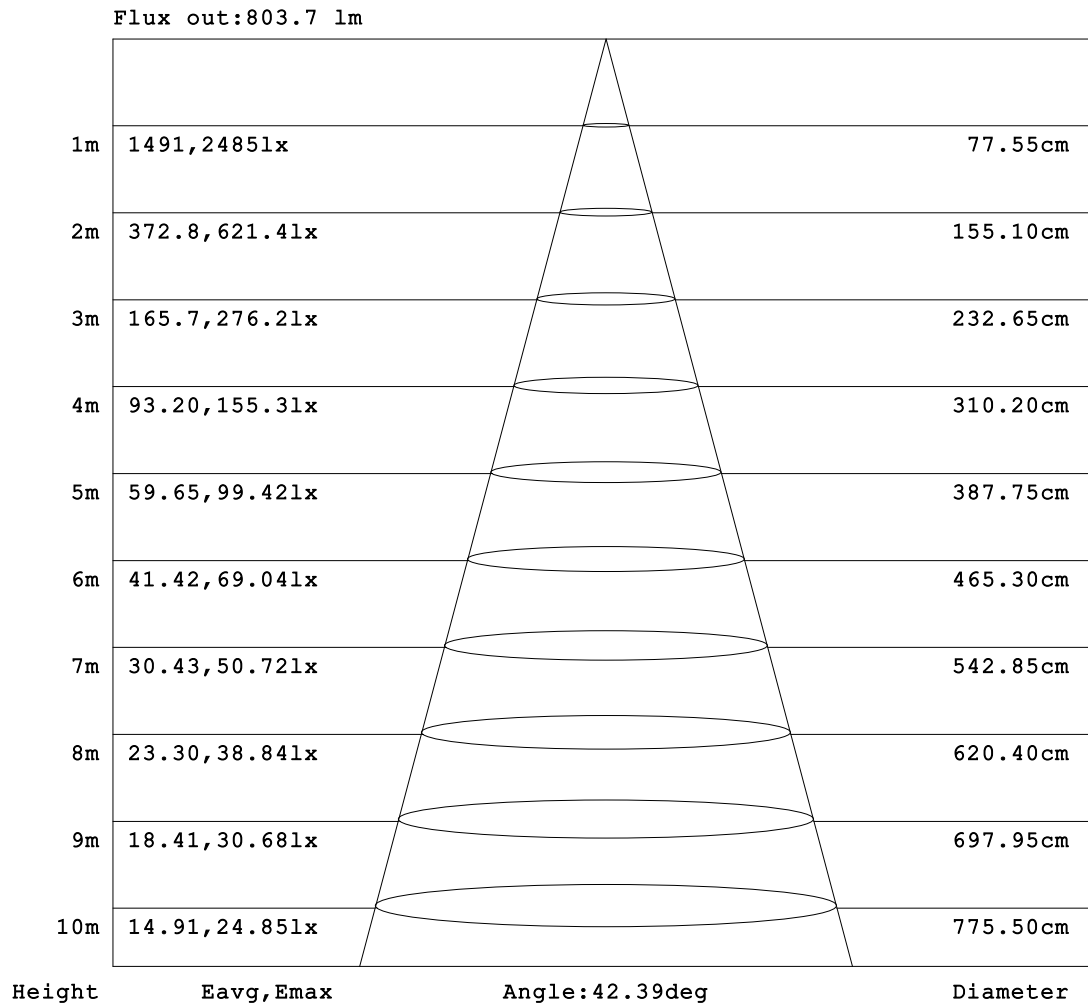


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 24 August 2022

γ Range: 0 - 90DEG
 γ Interval: 2.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.265m [K=1.0000]
 Remarks:

AAI Figure

NAME: 92FLCOM2040/BL	TYPE: 92FLCOM2040/BL	WEIGHT: 1
SPEC.:	DIM.: F 110 x 125	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circular	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: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 24 August 2022

γ Range: 0 - 90DEG
 γ Interval: 2.5DEG
 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: 92FLCOM2040/BL	TYPE: 92FLCOM2040/BL	WEIGHT: 1
SPEC.:	DIM.: F 110 x 125	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circular	Shielding Angle:

Table--1

UNIT: cd

H(DEC) V(DEC)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.08	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
-85	0.08	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.07	0.07	0.07	0.06
-80	0.08	0.07	0.06	0.06	0.07	0.06	0.06	0.09	0.12	0.13	0.16	0.22	0.27	0.32	0.39	0.39	0.36	0.40	0.44
-75	0.08	0.07	0.06	0.06	0.08	0.10	0.12	0.24	0.36	0.96	1.83	2.58	2.99	3.40	3.84	3.92	3.89	3.94	3.96
-70	0.08	0.07	0.06	0.07	0.12	0.21	0.35	1.61	2.91	3.46	4.00	4.56	5.02	5.69	6.37	6.62	6.68	6.92	7.09
-65	0.08	0.07	0.06	0.10	0.20	0.61	2.38	3.28	4.16	5.07	6.24	7.27	8.02	8.75	9.49	9.85	9.96	10.2	10.4
-60	0.08	0.07	0.06	0.12	0.32	2.38	3.39	4.50	5.99	7.53	8.91	10.00	10.8	11.7	12.7	13.4	13.6	13.9	14.0
-55	0.08	0.07	0.08	0.20	1.54	3.22	4.49	6.30	8.20	9.82	11.3	12.8	14.0	15.4	17.0	18.3	18.6	18.9	19.0
-50	0.08	0.07	0.09	0.28	2.69	4.00	5.91	8.18	10.2	12.2	14.2	16.5	19.2	21.9	24.9	29.3	32.3	33.7	33.8
-45	0.08	0.08	0.10	0.80	3.15	4.89	7.41	9.91	12.4	15.0	18.4	22.9	28.9	38.0	50.5	66.9	82.9	91.5	94.5
-40	0.08	0.08	0.12	1.61	3.60	5.97	8.89	11.7	14.9	19.0	25.5	35.6	52.2	83.1	145	223	286	323	338
-35	0.08	0.08	0.16	2.33	4.19	6.99	10.2	13.6	18.0	25.2	37.6	58.3	109	233	356	461	531	570	583
-30	0.08	0.08	0.19	2.72	4.70	8.00	11.5	15.6	22.3	33.6	56.2	109	265	431	558	635	692	722	733
-25	0.08	0.08	0.22	2.93	5.27	8.88	12.7	18.2	27.5	45.5	86.2	230	430	588	683	788	912	998	1030
-20	0.08	0.08	0.24	3.11	5.80	9.62	14.0	20.8	33.4	59.4	142	355	560	682	833	1045	1222	1335	1373
-15	0.08	0.08	0.26	3.25	6.22	10.2	15.3	23.9	40.3	74.7	210	457	632	786	1036	1299	1525	1692	1748
-10	0.08	0.08	0.27	3.36	6.52	10.7	16.4	26.3	46.0	90.0	276	524	683	895	1208	1510	1806	2029	2117
-5	0.08	0.08	0.28	3.42	6.71	11.0	17.2	27.9	49.7	98.3	315	564	717	982	1306	1640	1990	2273	2397
0	0.08	0.08	0.28	3.44	6.77	11.2	17.7	28.8	51.4	101	328	578	732	1014	1342	1686	2051	2358	2485
5	0.08	0.08	0.28	3.39	6.67	11.1	17.9	28.8	50.8	96.5	308	558	715	972	1288	1602	1925	2193	2295
10	0.08	0.08	0.27	3.30	6.44	10.9	17.5	28.1	48.2	87.8	264	516	680	889	1175	1436	1693	1901	1986
15	0.08	0.08	0.26	3.16	6.11	10.5	16.8	26.7	44.0	76.0	210	447	624	771	1002	1237	1424	1566	1629
20	0.08	0.08	0.24	2.98	5.66	9.83	15.5	24.6	38.9	64.0	138	328	541	673	810	989	1155	1256	1291
25	0.08	0.08	0.22	2.75	5.11	8.99	14.1	22.2	33.8	52.7	84.1	196	402	569	670	763	855	935	955
30	0.08	0.08	0.19	2.48	4.52	7.99	12.5	19.3	28.9	43.3	63.6	99.6	240	392	529	616	667	697	705
35	0.08	0.08	0.15	2.06	3.99	6.83	10.8	16.3	24.0	34.6	49.1	67.7	97.6	185	308	415	485	529	538
40	0.08	0.08	0.11	1.41	3.38	5.76	9.08	13.3	19.2	27.0	37.7	49.4	63.4	80.8	130	175	234	268	275
45	0.08	0.08	0.10	0.71	2.87	4.65	7.33	10.6	14.9	20.5	27.5	35.8	44.4	52.5	62.6	71.5	79.6	90.5	108
50	0.08	0.08	0.09	0.25	2.34	3.75	5.69	8.21	11.2	15.2	19.8	24.7	30.3	36.1	40.7	44.4	46.5	47.0	45.5
55	0.08	0.08	0.09	0.18	1.31	2.90	4.22	6.05	8.21	10.8	13.7	16.9	19.8	23.0	25.5	28.0	29.3	29.3	28.3
60	0.08	0.08	0.08	0.10	0.25	1.99	2.99	4.18	5.65	7.31	9.07	11.1	13.0	14.7	15.9	16.9	17.6	17.6	17.1
65	0.08	0.08	0.08	0.09	0.15	0.48	1.88	2.70	3.55	4.54	5.72	6.86	8.03	9.09	9.96	10.4	10.6	10.6	10.5
70	0.08	0.08	0.08	0.08	0.09	0.16	0.26	1.18	2.03	2.57	3.11	3.75	4.30	4.93	5.55	5.95	6.16	6.30	6.31
75	0.08	0.08	0.08	0.08	0.08	0.10	0.12	0.18	0.22	0.61	1.19	1.68	2.01	2.21	2.40	2.55	2.65	2.75	2.80
80	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.11	0.13	0.15	0.16	0.19	0.23	0.23	0.22	0.24	0.25
85	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
90	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08

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SPEC.:	DIM.: F 110 x 125	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circular	Shielding Angle:

Table--2

UNIT: cd

H (DEG) V (DEG)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
-90	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	
-85	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	
-80	0.39	0.34	0.30	0.26	0.24	0.21	0.16	0.11	0.10	0.10	0.08	0.06	0.06	0.07	0.07	0.07	0.07	0.07	
-75	3.69	3.40	3.38	3.29	2.99	2.69	2.36	1.62	0.76	0.25	0.17	0.09	0.08	0.07	0.06	0.07	0.07	0.07	
-70	6.83	6.48	6.30	5.93	5.25	4.63	4.18	3.61	3.02	2.46	1.38	0.24	0.16	0.10	0.06	0.06	0.07	0.07	
-65	10.1	9.73	9.57	9.13	8.33	7.59	6.84	5.81	4.64	3.70	2.93	2.09	0.50	0.16	0.08	0.06	0.07	0.07	
-60	13.7	13.3	13.0	12.3	11.4	10.5	9.59	8.35	6.85	5.44	4.10	3.05	2.00	0.26	0.09	0.06	0.07	0.07	
-55	18.6	18.1	17.5	16.3	14.9	13.6	12.2	10.7	9.07	7.47	5.71	4.06	2.82	1.23	0.16	0.07	0.07	0.07	
-50	32.1	29.4	26.2	22.2	19.8	17.6	15.4	13.2	11.3	9.44	7.46	5.33	3.58	2.16	0.22	0.08	0.06	0.07	
-45	87.2	75.5	58.9	43.1	30.9	23.7	19.3	16.1	13.5	11.3	9.07	6.70	4.36	2.66	0.61	0.08	0.06	0.07	
-40	316	273	203	126	69.4	41.9	26.8	19.9	15.9	13.0	10.5	8.01	5.34	3.14	1.21	0.10	0.06	0.07	
-35	564	522	453	341	222	104	44.9	26.6	19.0	14.8	11.8	9.13	6.25	3.67	1.72	0.13	0.06	0.07	
-30	716	683	628	552	416	236	103	40.8	23.1	16.9	13.0	10.1	7.13	4.14	2.06	0.16	0.06	0.07	
-25	986	895	773	674	578	411	213	70.3	29.3	19.2	14.2	10.9	7.90	4.65	2.31	0.19	0.06	0.07	
-20	1321	1198	1016	809	669	545	326	126	40.6	21.6	15.3	11.6	8.50	5.13	2.52	0.21	0.06	0.07	
-15	1671	1488	1261	1001	764	618	435	179	55.7	24.8	16.5	12.2	9.03	5.52	2.70	0.23	0.06	0.07	
-10	2010	1771	1470	1168	857	667	505	250	65.2	27.4	17.5	12.7	9.42	5.81	2.83	0.25	0.06	0.07	
-5	2268	1979	1615	1271	940	696	545	282	83.4	29.0	18.1	12.9	9.68	5.99	2.91	0.25	0.07	0.07	
0	2350	2045	1662	1299	955	703	555	290	99.0	29.5	18.3	13.0	9.80	6.07	2.94	0.26	0.07	0.07	
5	2195	1932	1592	1248	917	685	534	271	93.4	29.0	18.0	12.8	9.62	5.95	2.87	0.25	0.07	0.07	
10	1922	1717	1429	1132	834	655	486	229	79.1	27.4	17.3	12.4	9.30	5.72	2.74	0.25	0.07	0.07	
15	1583	1431	1215	955	746	602	411	179	55.5	25.2	16.2	11.8	8.86	5.39	2.56	0.23	0.07	0.07	
20	1255	1139	954	780	652	512	295	116	41.8	22.5	15.0	11.2	8.30	4.96	2.31	0.21	0.07	0.07	
25	928	852	744	653	547	370	172	72.8	31.3	20.0	14.0	10.6	7.72	4.44	2.00	0.19	0.07	0.07	
30	695	661	605	511	367	218	91.8	43.4	25.0	17.2	12.8	9.87	6.97	3.90	1.64	0.17	0.07	0.07	
35	524	475	400	295	173	94.0	49.7	30.0	20.0	14.7	11.5	8.99	6.10	3.40	1.24	0.14	0.07	0.07	
40	268	232	170	123	78.0	47.7	31.8	22.3	16.2	12.8	10.2	7.94	5.20	2.80	0.86	0.11	0.07	0.07	
45	89.3	82.5	70.5	52.3	38.3	29.0	22.0	16.9	13.4	10.8	8.83	6.60	4.20	2.15	0.47	0.09	0.07	0.07	
50	43.8	40.4	35.5	29.7	24.4	19.7	16.0	13.2	11.0	9.20	7.23	5.18	3.19	1.45	0.21	0.09	0.07	0.07	
55	27.0	25.0	22.5	19.3	16.4	14.0	12.0	10.5	9.05	7.33	5.46	3.74	2.17	0.81	0.15	0.08	0.07	0.07	
60	16.4	15.5	14.4	13.0	11.4	10.3	9.20	8.09	6.72	5.20	3.72	2.35	1.18	0.21	0.09	0.08	0.07	0.07	
65	10.4	10.1	9.74	9.13	8.27	7.33	6.32	5.28	4.22	3.15	2.06	1.07	0.34	0.13	0.09	0.08	0.07	0.07	
70	6.31	6.17	5.88	5.45	4.80	4.11	3.43	2.73	2.04	1.30	0.72	0.22	0.13	0.09	0.08	0.08	0.07	0.07	
75	2.65	2.46	2.33	2.11	1.80	1.44	1.03	0.72	0.42	0.19	0.15	0.10	0.09	0.09	0.08	0.08	0.07	0.07	
80	0.23	0.22	0.21	0.21	0.17	0.14	0.13	0.11	0.09	0.08	0.09	0.09	0.09	0.09	0.08	0.08	0.07	0.07	
85	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	
90	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:24 August 2022

γ Range: 0 - 90DEG
γ Interval: 2.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks: