

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1439.6 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	87.2V x 87.1H
	At 50% of Imax	45.7V x 46.1H
	At 90% of Imax	14.9V x 15.5H

Beam Flux	Total	1092.3 lumens per klm.
	To 10% of Imax	1015.8 lumens per klm.
	To 50% of Imax	494.2 lumens per klm.
	To 90% of Imax	73.4 lumens per klm.

Upward LOR	0.0 %
Downward LOR	109.2 %

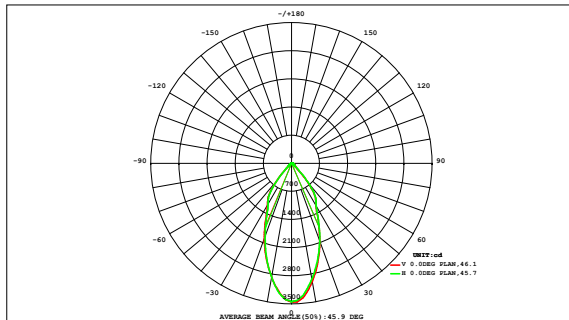
Luminaire Efficiency (Light Output Ratio)	109.1 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 24 August 2022

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: 92FLCOM3040/BL	TYPE: 92FLCOM3040/BL	WEIGHT: 1
SPEC.:	DIM.: F 130 x 155	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circular	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	92FLCOM3040/BL	Imax (cd)	3455
NOMINAL POWER (W)	30	AVAILABILITY (%)	101.4
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	2434
NOMINAL FLUX (lm)	2400	LOR (%)	109.1
LAMPS INSIDE	1	TOTAL FLUX (lm)	2619
TEST VOLTAGE (V)	230	θ @50% (H,V)	46,46DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.09	0.00
90	0.00	0.00	0.00	0.01	0.05	0.10	0.15	0.18	0.20	0.19	0.16	0.12	0.08	0.04	0.02	0.01	0.00	0.00	1.32	0.00
80	0.00	0.00	0.02	0.11	0.27	0.45	0.62	0.75	0.82	0.77	0.64	0.46	0.30	0.18	0.09	0.02	0.00	0.00	5.51	0.00
70	0.00	0.01	0.09	0.28	0.60	1.00	1.49	1.94	2.22	2.17	1.81	1.28	0.76	0.40	0.18	0.07	0.01	0.00	14.3	0.00
60	0.00	0.02	0.16	0.49	0.99	1.83	3.15	5.48	7.68	7.65	5.31	2.97	1.60	0.78	0.32	0.11	0.02	0.00	38.6	9.36
50	0.00	0.04	0.23	0.69	1.53	4.07	12.5	22.7	28.0	27.9	22.2	11.7	3.71	1.34	0.51	0.16	0.03	0.00	137	120
40	0.00	0.05	0.30	0.88	2.47	11.8	26.9	37.0	44.5	44.2	36.5	26.2	10.8	2.27	0.71	0.21	0.04	0.00	245	234
30	0.00	0.06	0.35	1.05	4.49	20.2	35.1	55.1	71.1	69.9	53.4	34.5	19.2	4.00	0.92	0.25	0.05	0.00	370	361
20	0.00	0.07	0.38	1.17	6.38	24.2	42.2	71.2	94.4	91.8	68.0	40.9	23.3	5.71	1.05	0.27	0.05	0.00	471	463
10	0.00	0.07	0.38	1.18	6.55	24.7	42.7	71.3	94.3	93.0	69.6	41.8	23.7	5.89	1.04	0.27	0.05	0.00	477	468
0	0.00	0.06	0.35	1.06	4.71	20.8	36.4	57.0	73.1	72.6	56.4	35.8	20.1	4.26	0.89	0.25	0.05	0.00	384	375
-10	0.00	0.05	0.29	0.86	2.53	12.5	28.5	39.1	47.4	47.1	38.5	27.8	12.1	2.34	0.67	0.21	0.04	0.00	260	249
-20	0.00	0.04	0.21	0.65	1.48	4.49	14.7	25.4	30.3	30.1	24.8	13.9	4.17	1.27	0.47	0.16	0.03	0.00	152	137
-30	0.00	0.02	0.15	0.42	0.92	1.71	3.41	6.83	9.62	9.51	6.39	3.09	1.48	0.69	0.31	0.12	0.02	0.00	44.7	16.9
-40	0.00	0.01	0.08	0.23	0.48	0.85	1.25	1.63	1.86	1.82	1.51	1.07	0.68	0.39	0.19	0.07	0.01	0.00	12.2	0.00
-50	0.00	0.00	0.03	0.10	0.21	0.33	0.49	0.61	0.67	0.63	0.56	0.44	0.32	0.20	0.10	0.03	0.00	0.00	4.72	0.00
-60	0.00	0.00	0.01	0.02	0.05	0.10	0.15	0.18	0.20	0.19	0.17	0.14	0.10	0.05	0.02	0.01	0.00	0.00	1.39	0.00
-70	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.10	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
HORIZONTAL (DEG)																				
Φ t	0.01	0.50	3.03	9.19	33.7	129	250	397	506	500	386	242	122	29.8	7.50	2.22	0.43	0.01	2619	---
Φ a	0.00	0.00	0.00	0.00	11.3	112	235	383	493	486	372	228	106	8.15	0.00	0.00	0.00	0.00	---	2434

one-half-peak spread: U:23.8,D:22.4 , L:23.6,R:22.9

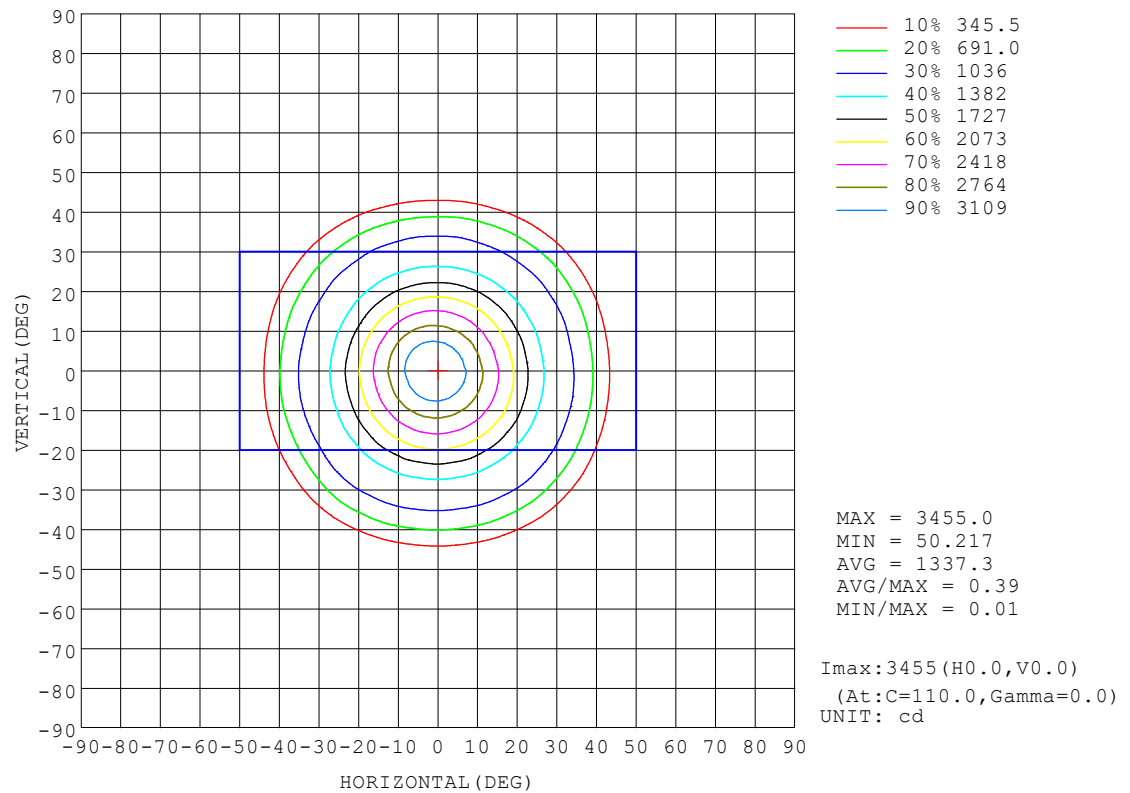
NEMA Beam Type: Type 5

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: 92FLCOM3040/BL	TYPE: 92FLCOM3040/BL	WEIGHT: 1
SPEC.:	DIM.: F 130 x 155	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circular	Shielding Angle:

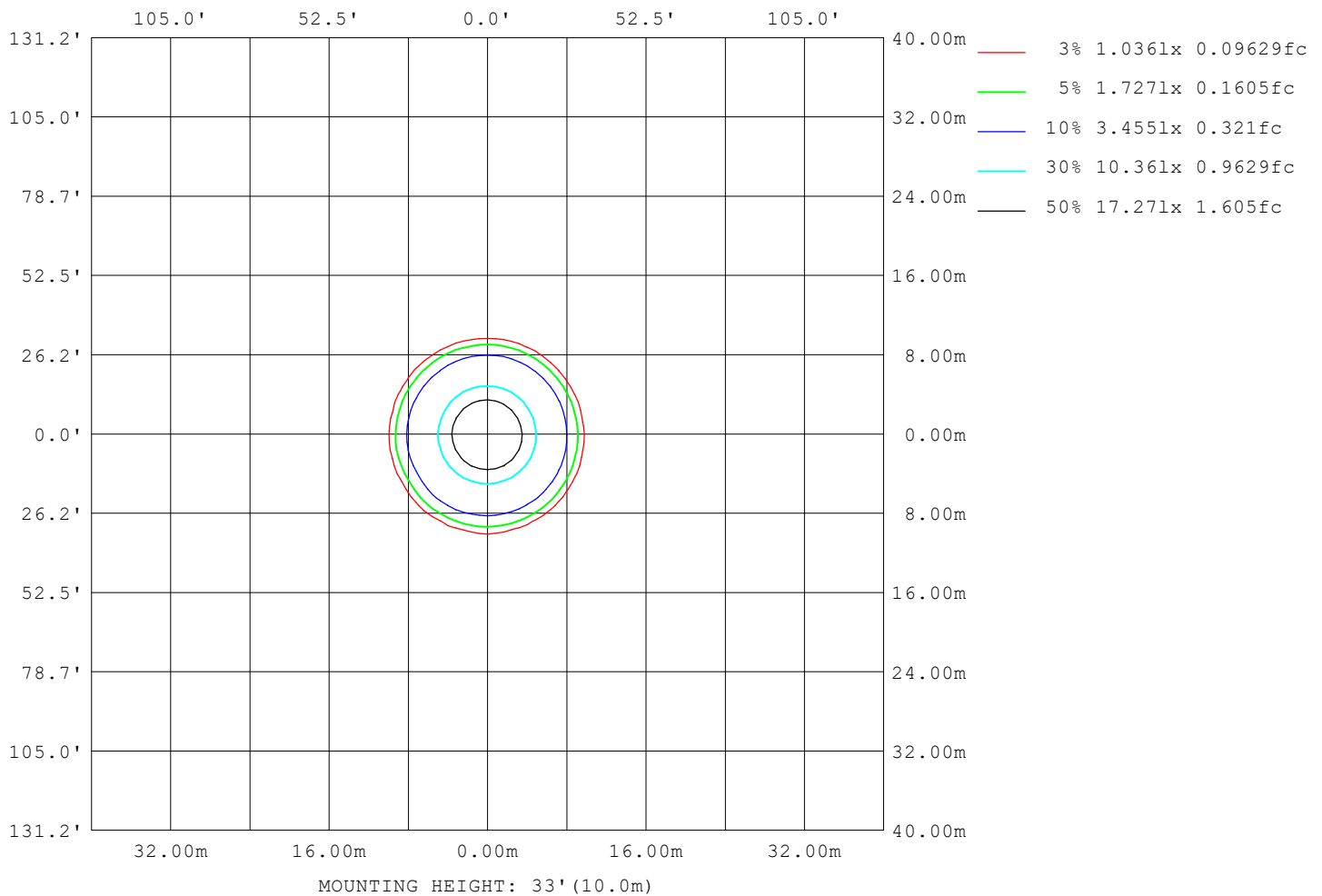


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 Remarks:

ISOLUX DIAGRAM

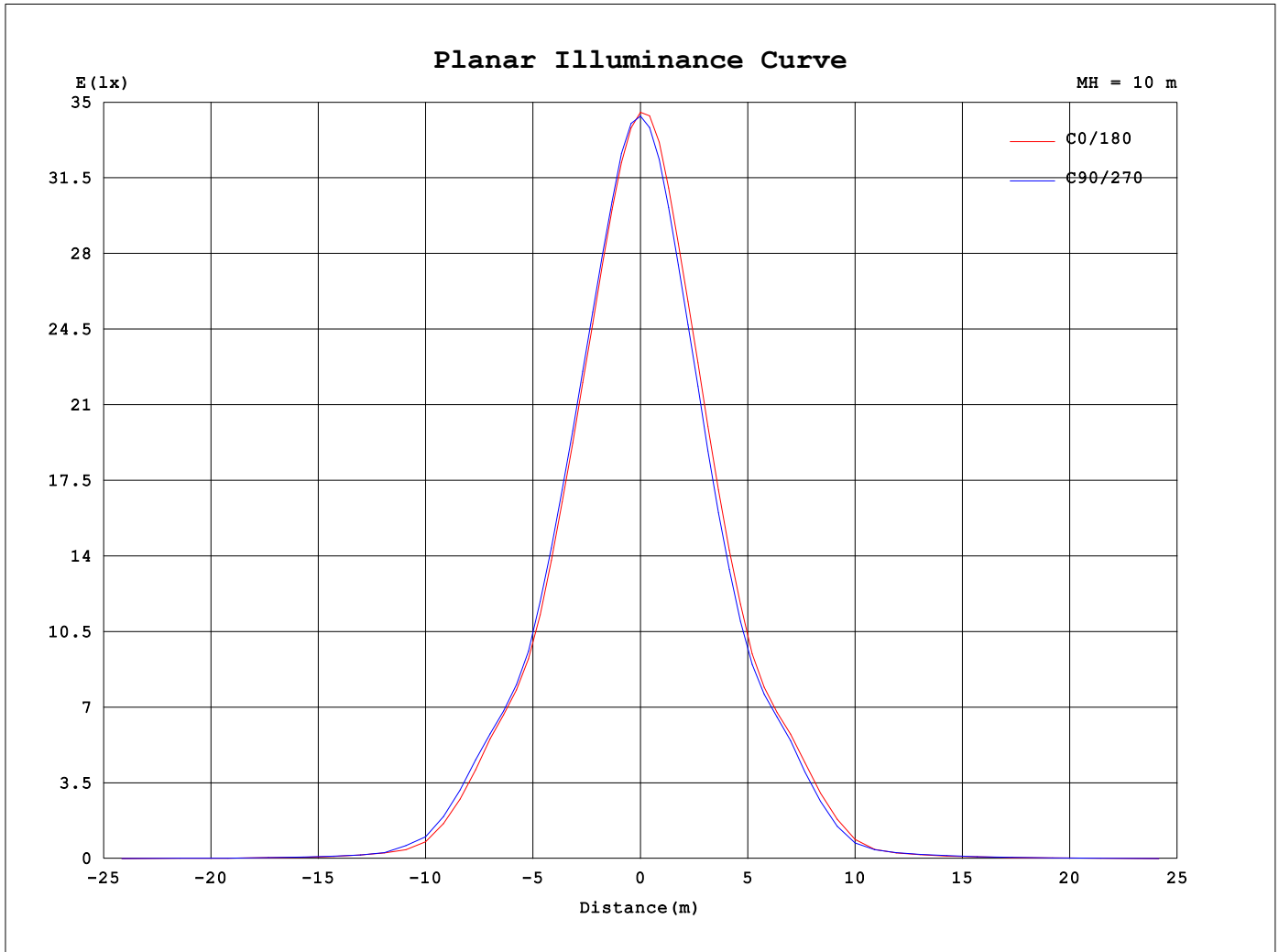
NAME: 92FLCOM3040/BL	TYPE: 92FLCOM3040/BL	WEIGHT: 1
SPEC.:	DIM.: F 130 x 155	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circular	Shielding Angle:



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Humidity: 65.0%
Test Distance: 6.265m [K=1.0000]
Remarks:

Planar Illuminance Curve

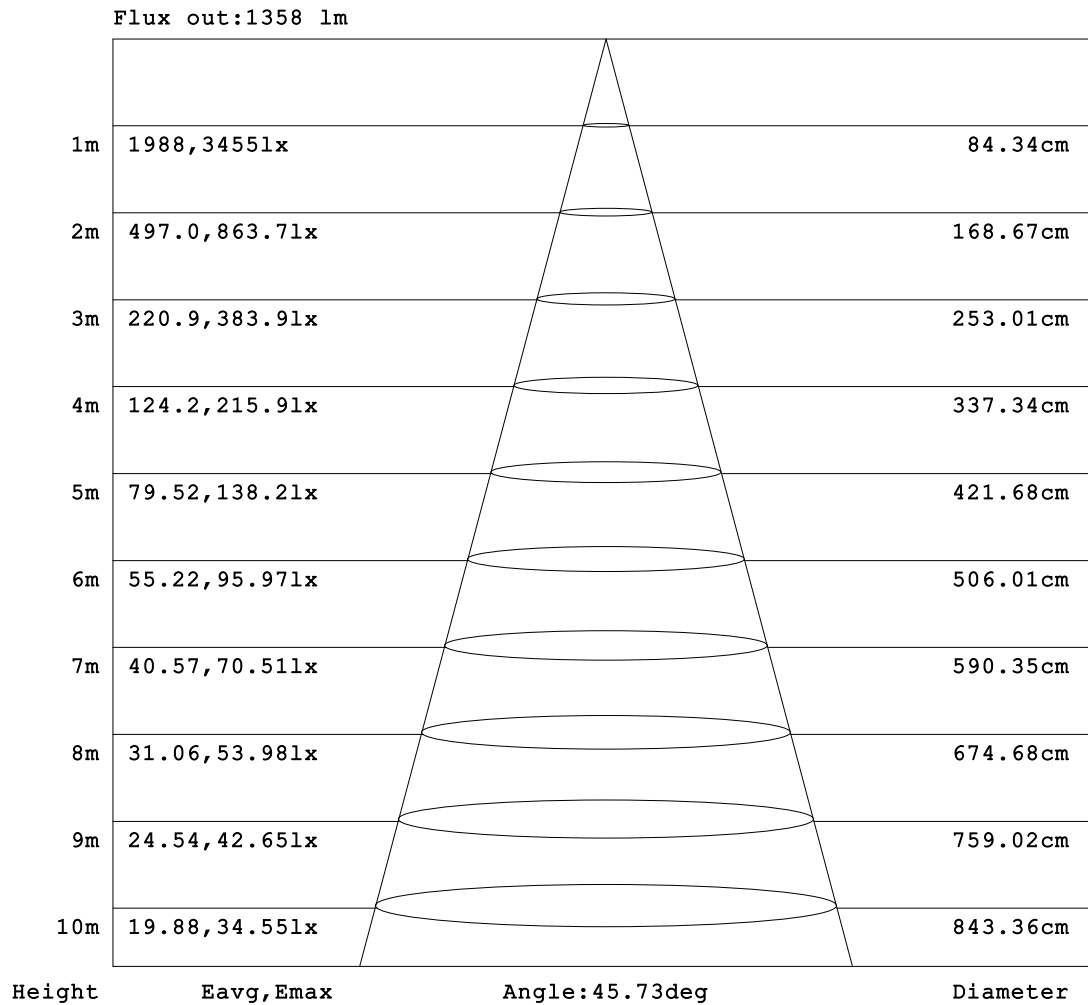


C Range: 0 - 360DEG
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 Test Speed: HIGH
 Temperature: 25.3°C
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γ Range: 0 - 90DEG
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 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.265m [K=1.0000]
 Remarks:

AAI Figure

NAME: 92FLCOM3040/BL	TYPE: 92FLCOM3040/BL	WEIGHT: 1
SPEC.:	DIM.: F 130 x 155	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%
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 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 92FLCOM3040/BL	TYPE: 92FLCOM3040/BL	WEIGHT: 1
SPEC.:	DIM.: F 130 x 155	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	0.19	0.16	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.16
-85	0.19	0.16	0.14	0.14	0.14	0.14	0.14	0.15	0.16	0.17	0.17	0.18	0.19	0.19	0.20	0.21	0.21	0.21	0.21
-80	0.19	0.16	0.14	0.14	0.16	0.17	0.18	0.28	0.37	0.46	0.56	0.72	0.86	1.02	1.17	1.20	1.20	1.22	1.21
-75	0.19	0.16	0.14	0.16	0.20	0.34	0.50	0.80	1.08	1.83	2.80	3.70	4.55	5.34	6.01	6.38	6.58	6.65	6.60
-70	0.19	0.16	0.15	0.19	0.38	0.71	1.17	2.68	4.23	5.68	6.95	8.02	8.97	9.91	10.8	11.3	11.6	11.8	11.7
-65	0.19	0.16	0.16	0.33	0.70	1.51	3.68	5.95	7.78	9.25	11.0	12.6	14.8	16.9	18.9	20.2	21.0	21.2	20.9
-60	0.19	0.16	0.17	0.46	1.13	3.68	6.73	9.07	11.5	14.0	17.2	21.2	25.0	28.5	31.5	33.6	34.7	35.1	34.9
-55	0.19	0.16	0.26	0.78	2.68	6.29	9.47	12.8	16.5	21.7	27.6	33.5	39.0	44.6	49.2	53.7	56.7	58.3	58.5
-50	0.19	0.17	0.34	1.09	4.35	8.73	12.5	17.3	23.9	31.8	40.1	48.3	57.1	66.4	76.3	88.2	97.1	103	106
-45	0.19	0.17	0.41	1.84	6.30	10.8	16.1	23.3	32.4	42.7	53.0	65.5	82.5	104	142	213	243	272	285
-40	0.19	0.17	0.49	2.86	8.09	13.2	20.0	30.0	41.3	53.0	68.9	93.3	155	239	366	511	621	683	708
-35	0.19	0.17	0.64	3.75	9.63	15.6	24.9	36.6	49.2	65.3	92.8	138	295	530	743	912	996	1037	1052
-30	0.19	0.18	0.77	4.71	11.1	18.4	29.5	42.5	57.8	81.7	128	285	565	855	1035	1122	1191	1223	1240
-25	0.19	0.18	0.87	5.64	12.3	20.9	34.0	47.8	67.5	102	215	483	825	1070	1186	1309	1447	1548	1599
-20	0.19	0.18	0.95	6.42	13.4	23.5	37.6	52.8	77.6	129	347	690	1004	1181	1355	1624	1850	2005	2058
-15	0.19	0.18	1.01	7.05	14.3	25.6	40.0	58.0	88.3	172	481	864	1109	1301	1604	1954	2247	2440	2504
-10	0.19	0.18	1.05	7.52	14.9	27.3	41.7	61.6	96.5	225	592	972	1171	1420	1827	2245	2598	2842	2925
-5	0.19	0.18	1.07	7.80	15.3	28.4	42.6	63.8	101	251	658	1031	1209	1536	1989	2450	2858	3178	3300
0	0.19	0.18	1.06	7.91	15.5	28.9	42.9	64.6	102	253	675	1048	1222	1583	2057	2547	2981	3354	3455
5	0.19	0.18	1.04	7.80	15.4	28.7	42.5	63.7	100	243	640	1014	1190	1506	1976	2458	2868	3192	3273
10	0.19	0.18	1.01	7.50	15.0	27.9	41.4	61.5	95.0	213	566	946	1146	1387	1787	2213	2584	2827	2878
15	0.19	0.18	0.95	7.01	14.4	26.4	39.9	58.1	87.3	163	456	840	1079	1245	1538	1884	2185	2376	2427
20	0.19	0.18	0.87	6.33	13.5	24.4	37.9	53.6	78.0	125	325	664	972	1132	1291	1526	1751	1892	1929
25	0.19	0.18	0.78	5.47	12.4	21.9	35.3	48.5	68.7	102	199	457	770	1017	1123	1240	1356	1455	1476
30	0.19	0.18	0.66	4.44	11.1	19.6	32.0	43.0	59.5	84.1	124	251	508	759	965	1069	1126	1166	1171
35	0.19	0.18	0.52	3.39	9.74	16.8	28.0	38.7	50.8	68.3	95.1	132	244	441	640	800	907	977	993
40	0.19	0.17	0.37	2.52	8.21	14.3	23.4	33.7	42.8	55.8	73.8	96.7	124	186	295	410	509	570	589
45	0.19	0.17	0.29	1.57	6.23	11.7	18.5	27.7	36.3	44.7	57.0	71.2	88.5	105	126	152	184	202	205
50	0.19	0.17	0.25	0.87	3.99	9.32	14.3	21.1	29.4	36.5	43.8	53.3	63.9	75.4	85.8	93.9	101	104	105
55	0.19	0.17	0.21	0.59	2.39	6.38	10.7	15.3	21.2	28.2	34.1	39.6	45.6	53.2	59.5	65.5	70.2	72.6	73.2
60	0.19	0.17	0.17	0.31	0.97	3.28	7.07	10.7	14.6	19.0	23.4	28.3	32.6	36.2	39.2	42.4	45.6	47.1	47.2
65	0.19	0.17	0.17	0.25	0.58	1.29	3.20	6.24	9.38	12.2	15.1	17.6	19.9	21.4	23.1	24.6	25.7	25.7	25.0
70	0.19	0.17	0.17	0.18	0.31	0.58	0.92	2.30	3.93	6.33	8.50	10.1	11.4	12.3	12.7	13.1	13.1	12.9	12.5
75	0.19	0.18	0.16	0.17	0.18	0.29	0.38	0.62	0.87	1.53	2.45	3.26	4.28	5.09	5.51	5.92	6.16	6.08	5.83
80	0.19	0.18	0.17	0.17	0.17	0.17	0.18	0.24	0.29	0.34	0.40	0.52	0.63	0.73	0.80	0.89	0.96	0.99	1.00
85	0.19	0.18	0.18	0.17	0.17	0.17	0.16	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.17	0.16	0.17	0.18
90	0.19	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.19	0.19	0.19

C Range: 0 - 360DEG
C Interval: 10.0DEG
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Humidity:65.0%
Test Distance:6.265m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 92FLCOM3040/BL	TYPE: 92FLCOM3040/BL	WEIGHT: 1
SPEC.:	DIM.: F 130 x 155	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	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	
-85	0.22	0.22	0.21	0.20	0.20	0.20	0.19	0.18	0.18	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	
-80	1.20	1.17	1.15	1.10	0.99	0.87	0.76	0.62	0.52	0.42	0.32	0.19	0.18	0.17	0.16	0.16	0.16	0.16	
-75	6.46	6.22	6.06	5.77	5.35	4.80	4.04	3.06	1.94	1.17	0.90	0.61	0.42	0.21	0.18	0.16	0.16	0.16	
-70	11.5	11.1	10.8	10.4	9.69	8.89	7.98	6.95	5.70	4.36	2.75	1.27	0.84	0.50	0.21	0.17	0.16	0.16	
-65	20.1	19.1	18.3	17.1	15.6	14.0	12.2	10.6	8.90	7.31	5.55	3.65	1.60	0.84	0.42	0.18	0.15	0.16	
-60	33.8	32.1	30.1	27.6	24.8	21.6	18.6	15.7	12.8	10.3	8.13	5.97	3.65	1.24	0.63	0.19	0.15	0.16	
-55	57.0	53.9	49.3	43.3	37.3	31.5	27.0	22.2	17.9	14.1	10.9	8.16	5.53	2.70	0.92	0.32	0.16	0.16	
-50	102	95.2	84.6	73.0	59.7	47.3	37.5	30.0	23.8	18.4	14.0	10.4	7.29	4.19	1.19	0.44	0.16	0.16	
-45	268	231	174	127	98.7	75.5	55.9	40.9	30.8	23.4	17.5	12.7	8.92	5.52	1.89	0.56	0.17	0.16	
-40	675	607	495	350	214	124	87.8	60.5	40.6	29.3	21.4	15.1	10.5	6.75	2.85	0.67	0.17	0.16	
-35	1030	980	882	707	501	276	132	86.9	55.3	36.9	25.8	17.8	12.1	7.83	3.73	0.81	0.18	0.16	
-30	1216	1179	1106	1015	815	538	268	122	75.2	46.8	30.5	20.7	13.9	8.78	4.48	0.93	0.18	0.16	
-25	1540	1430	1287	1167	1045	796	476	201	95.4	58.8	36.3	23.8	15.5	9.64	5.11	1.03	0.18	0.16	
-20	1995	1832	1599	1327	1154	993	671	317	121	71.3	41.9	26.8	16.9	10.4	5.62	1.11	0.18	0.16	
-15	2423	2225	1938	1581	1274	1089	826	440	156	81.6	48.2	29.4	18.0	10.9	6.01	1.18	0.19	0.16	
-10	2807	2559	2219	1808	1392	1154	933	544	197	90.2	52.6	31.4	18.9	11.3	6.29	1.22	0.19	0.16	
-5	3121	2792	2393	1954	1497	1197	994	602	218	95.5	55.4	32.8	19.5	11.5	6.45	1.25	0.19	0.16	
0	3258	2877	2445	1989	1516	1202	1008	614	221	97.2	56.5	33.4	19.7	11.6	6.49	1.26	0.19	0.16	
5	3087	2740	2333	1898	1455	1174	973	584	208	95.5	55.8	33.2	19.5	11.4	6.40	1.23	0.19	0.16	
10	2750	2479	2120	1729	1355	1132	903	513	183	90.9	53.3	32.2	18.9	11.1	6.20	1.18	0.19	0.16	
15	2329	2119	1831	1493	1229	1062	794	408	150	83.3	49.0	30.4	17.9	10.6	5.90	1.12	0.18	0.16	
20	1875	1723	1487	1267	1121	943	621	282	120	72.5	43.3	27.8	16.6	10.0	5.50	1.02	0.18	0.16	
25	1447	1340	1223	1115	991	735	412	175	95.3	61.1	38.8	24.8	15.0	9.24	5.01	0.91	0.18	0.16	
30	1160	1118	1054	938	729	466	217	118	77.3	50.2	33.9	21.3	13.4	8.35	4.44	0.77	0.18	0.16	
35	974	896	783	614	404	215	128	87.1	59.3	40.7	28.3	18.0	11.7	7.43	3.72	0.62	0.18	0.16	
40	572	501	390	274	174	120	88.0	64.4	45.1	33.3	22.5	14.8	10.1	6.36	2.77	0.44	0.17	0.16	
45	201	181	150	123	99.0	79.6	62.1	46.4	35.8	25.3	17.4	12.2	8.58	5.26	1.72	0.34	0.17	0.16	
50	104	99.1	90.3	79.8	67.8	54.8	43.4	34.8	26.0	18.3	13.3	9.86	6.89	4.08	0.96	0.28	0.17	0.16	
55	70.7	66.5	60.6	52.9	45.2	37.6	30.0	23.4	17.6	13.3	10.1	7.60	5.16	2.57	0.66	0.22	0.16	0.16	
60	45.2	42.1	38.3	33.6	28.5	23.3	18.5	14.7	12.0	9.62	7.39	5.33	3.44	1.08	0.36	0.18	0.16	0.16	
65	24.0	22.3	20.2	17.8	15.1	13.4	11.5	9.73	8.15	6.39	4.79	3.31	1.43	0.70	0.28	0.18	0.16	0.16	
70	12.2	11.7	11.1	10.3	9.32	8.18	6.82	5.48	4.62	3.66	2.38	1.07	0.73	0.41	0.18	0.17	0.17	0.16	
75	5.66	5.39	5.12	4.77	4.33	3.79	3.12	2.37	1.60	1.01	0.77	0.52	0.36	0.19	0.18	0.17	0.17	0.16	
80	0.99	0.97	0.94	0.88	0.81	0.73	0.62	0.50	0.44	0.36	0.28	0.18	0.18	0.18	0.18	0.18	0.17	0.16	
85	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.17	0.18	0.19	0.19	0.19	0.17	0.16	
90	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.20	0.19	0.19	0.19	0.20	0.20	0.20	0.18	0.16	

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: