

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1441.9 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	88.0V x 88.1H
	At 50% of Imax	42.9V x 43.2H
	At 90% of Imax	13.2V x 13.6H

Beam Flux	Total	1037.5 lumens per klm.
	To 10% of Imax	987.7 lumens per klm.
	To 50% of Imax	437.1 lumens per klm.
	To 90% of Imax	61.9 lumens per klm.

Upward LOR	0.0 %
Downward LOR	103.7 %

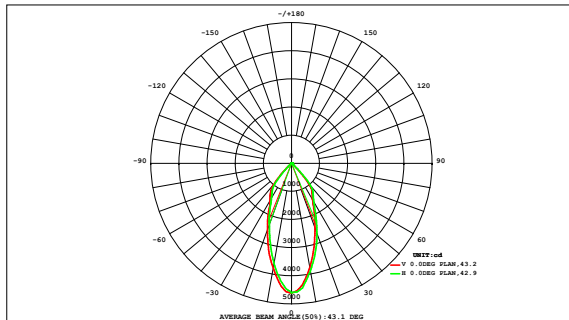
Luminaire Efficiency (Light Output Ratio)	103.6 %
---	---------

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: 92FLCOM4040/WH	TYPE: 92FLCOM4040/WH	WEIGHT: 1
SPEC.:	DIM.: F 170 x 185	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circular	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	92FLCOM4040/WH	Imax (cd)	4614
NOMINAL POWER (W)	40	AVAILABILITY (%)	98.8
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	3162
NOMINAL FLUX (lm)	3200	LOR (%)	103.6
LAMPS INSIDE	1	TOTAL FLUX (lm)	3316
TEST VOLTAGE (V)	230	θ @50% (H,V)	43,43DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM															UNIT:lm			Φ t	Φ a
	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.17	0.00
90	0.00	0.00	0.01	0.03	0.09	0.14	0.18	0.23	0.25	0.25	0.23	0.19	0.14	0.09	0.03	0.01	0.00	0.00	1.87	0.00
80	0.00	0.01	0.05	0.16	0.27	0.36	0.43	0.50	0.54	0.54	0.49	0.42	0.35	0.27	0.16	0.04	0.01	0.00	4.60	0.00
70	0.00	0.02	0.12	0.25	0.37	0.55	0.76	0.91	1.00	1.01	0.93	0.76	0.55	0.37	0.24	0.11	0.01	0.00	7.99	0.00
60	0.00	0.04	0.17	0.31	0.55	0.89	1.96	5.53	9.01	9.13	5.68	1.82	0.88	0.56	0.32	0.16	0.03	0.00	37.0	13.6
50	0.00	0.06	0.20	0.40	0.77	3.50	16.8	29.6	35.4	35.7	30.2	17.1	3.57	0.77	0.41	0.20	0.05	0.00	175	161
40	0.00	0.07	0.22	0.50	1.54	15.9	33.8	45.1	54.4	54.6	45.6	34.4	16.5	1.65	0.51	0.23	0.07	0.00	305	296
30	0.00	0.08	0.24	0.57	4.70	26.7	42.9	66.0	85.7	85.9	66.7	43.7	27.5	5.09	0.57	0.25	0.08	0.00	457	449
20	0.00	0.09	0.25	0.62	7.84	30.9	51.5	85.7	120	119	86.9	52.3	31.8	8.57	0.64	0.27	0.08	0.00	596	590
10	0.00	0.09	0.25	0.63	8.12	31.4	52.4	87.9	123	124	90.4	53.9	32.5	9.09	0.65	0.28	0.08	0.00	615	609
0	0.00	0.08	0.24	0.60	5.22	27.9	45.7	71.1	94.4	95.3	72.6	46.4	29.1	6.03	0.59	0.27	0.08	0.00	495	488
-10	0.00	0.08	0.22	0.53	1.86	18.3	36.6	49.6	60.6	60.8	49.9	37.3	19.8	2.40	0.52	0.24	0.07	0.00	339	330
-20	0.00	0.06	0.20	0.42	0.83	4.66	21.1	34.6	40.3	39.9	34.9	22.4	5.69	0.85	0.45	0.21	0.05	0.00	207	194
-30	0.00	0.05	0.18	0.32	0.60	0.95	2.70	9.13	14.4	14.7	9.78	3.45	1.01	0.61	0.36	0.16	0.04	0.00	58.4	32.5
-40	0.00	0.02	0.14	0.26	0.39	0.60	0.82	1.04	1.24	1.27	1.08	0.87	0.64	0.44	0.27	0.11	0.02	0.00	9.21	0.00
-50	0.00	0.01	0.06	0.18	0.29	0.38	0.46	0.55	0.61	0.63	0.59	0.51	0.40	0.28	0.15	0.05	0.01	0.00	5.17	0.00
-60	0.00	0.00	0.01	0.04	0.10	0.14	0.19	0.24	0.26	0.26	0.23	0.18	0.14	0.09	0.04	0.01	0.00	0.00	1.95	0.00
-70	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.15	0.00
-80	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.15	0.00
-90	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.15	0.00
HORIZONTAL (DEG)																				
Φ t	0.03	0.76	2.56	5.85	33.5	163	308	488	641	644	496	316	170	37.2	5.91	2.62	0.68	0.03	3316	---
Φ a	0.00	0.00	0.00	0.00	15.6	149	296	476	630	633	484	303	157	18.6	0.00	0.00	0.00	0.00	---	3162

one-half-peak spread: U:23.0,D:20.4 , L:21.5,R:22.1

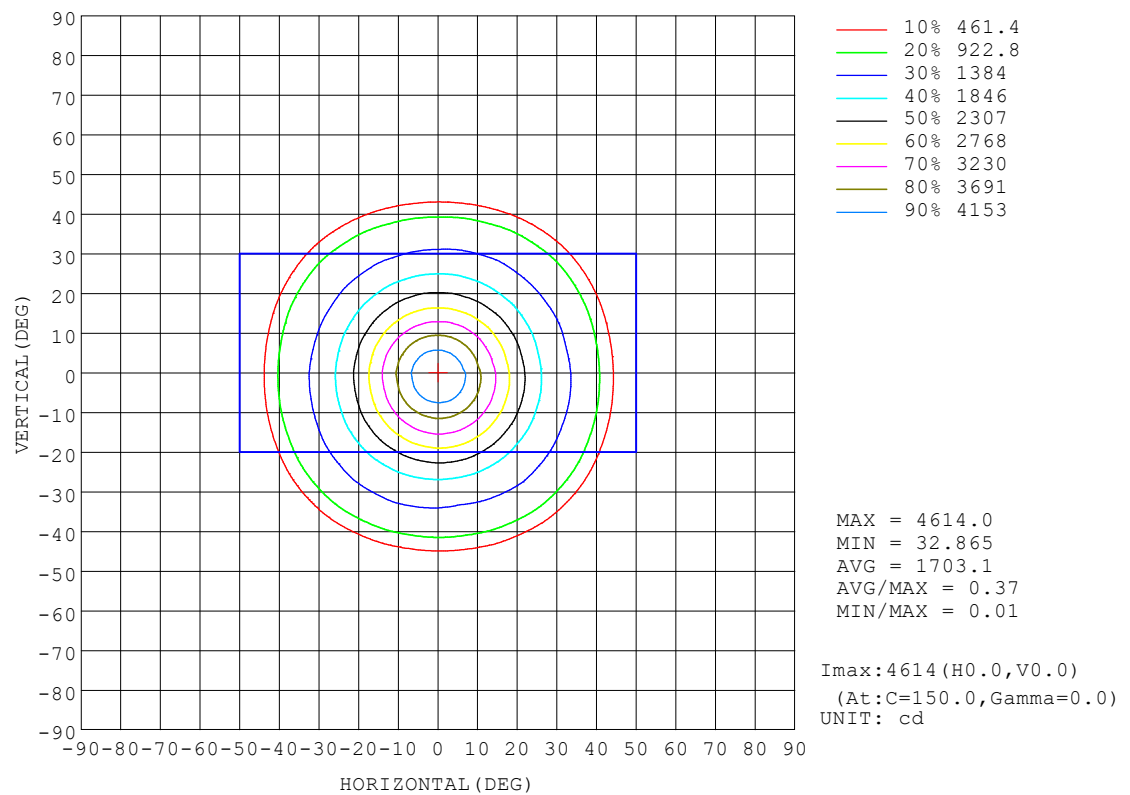
NEMA Beam Type: Type 5

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: 92FLCOM4040/WH	TYPE: 92FLCOM4040/WH	WEIGHT: 1
SPEC.:	DIM.: F 170 x 185	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circular	Shielding Angle:

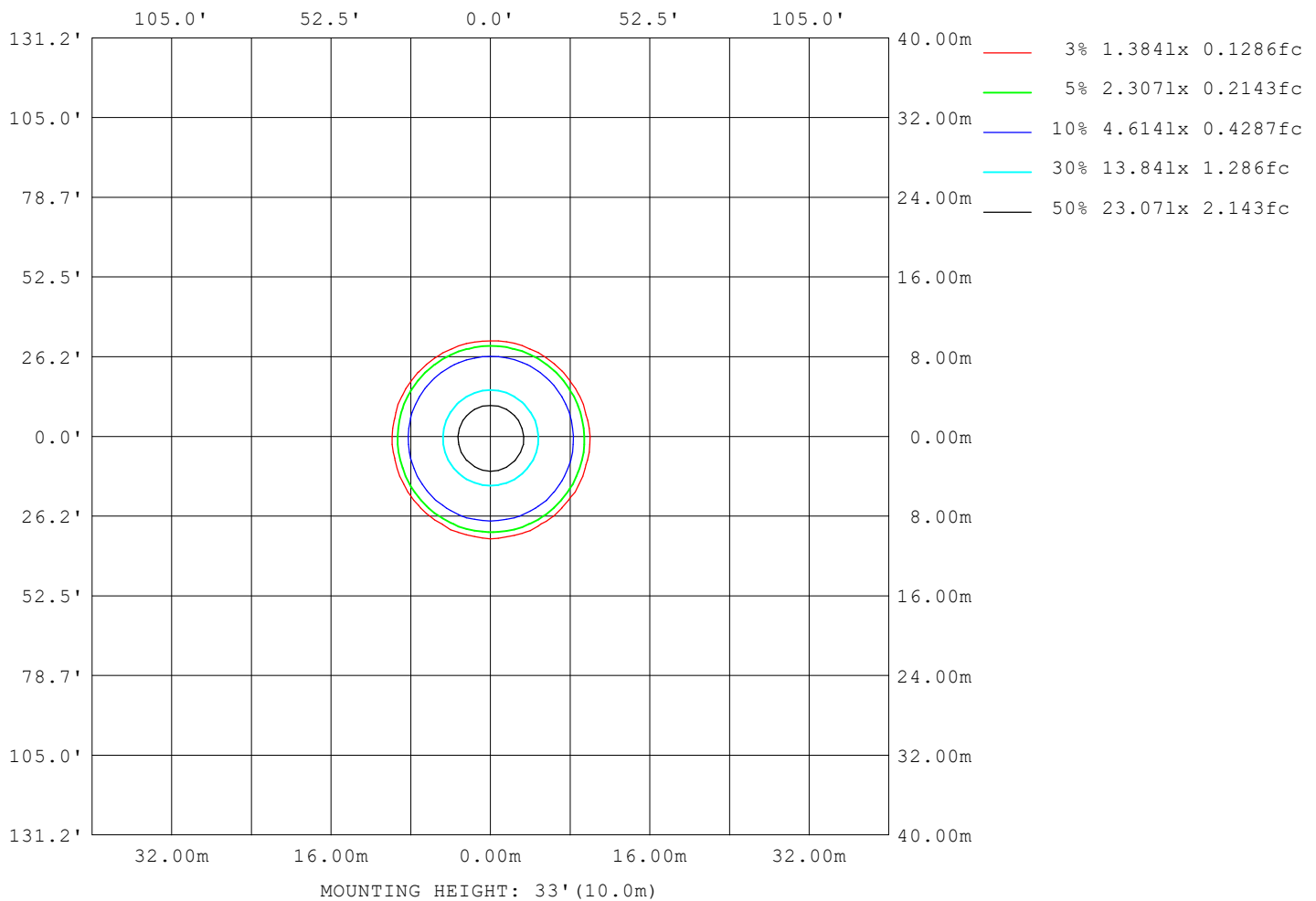


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:24 August 2022

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:

ISOLUX DIAGRAM

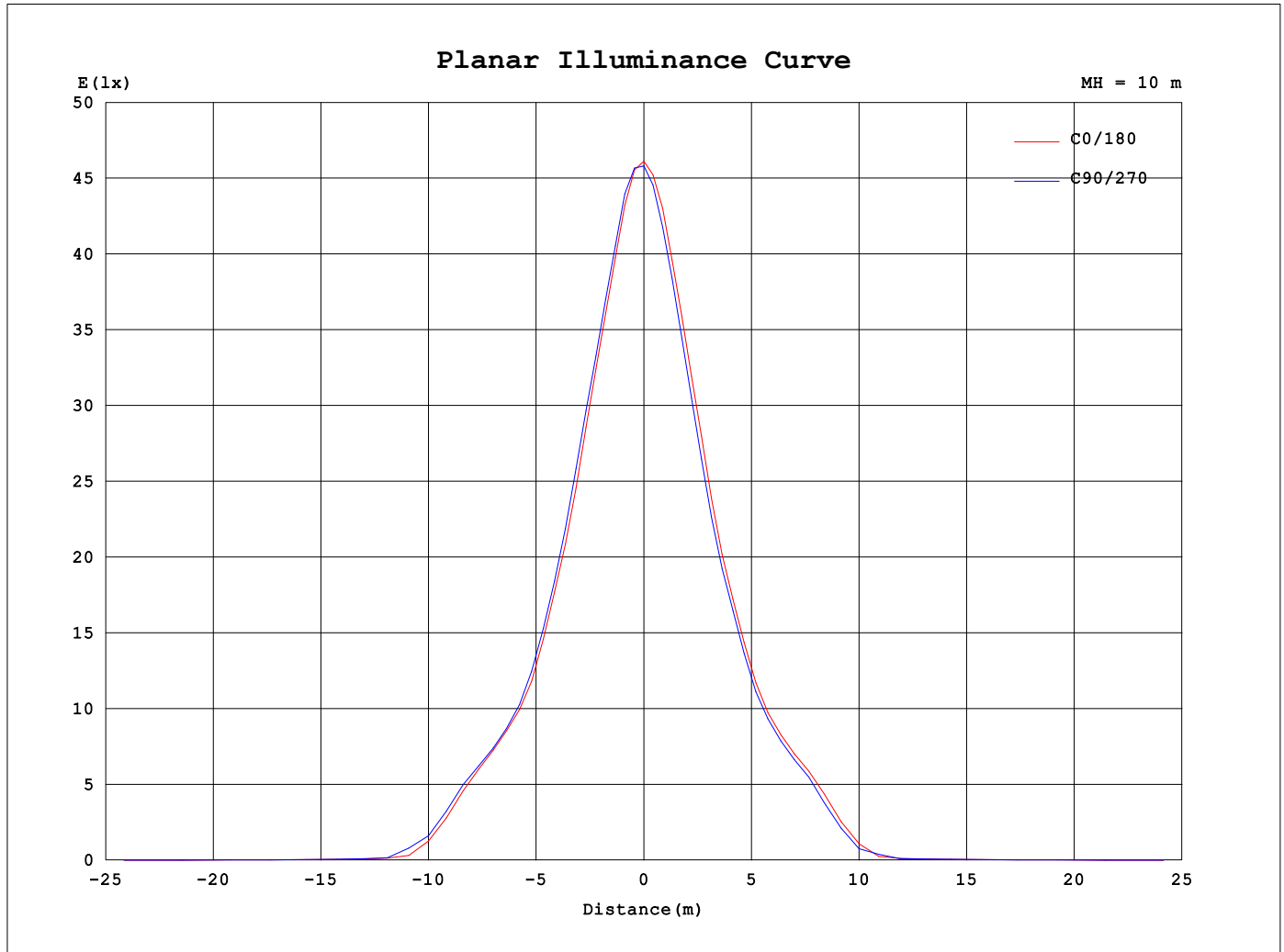
NAME: 92FLCOM4040/WH	TYPE: 92FLCOM4040/WH	WEIGHT: 1
SPEC.:	DIM.: F 170 x 185	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circular	Shielding Angle:



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:

Planar Illuminance Curve

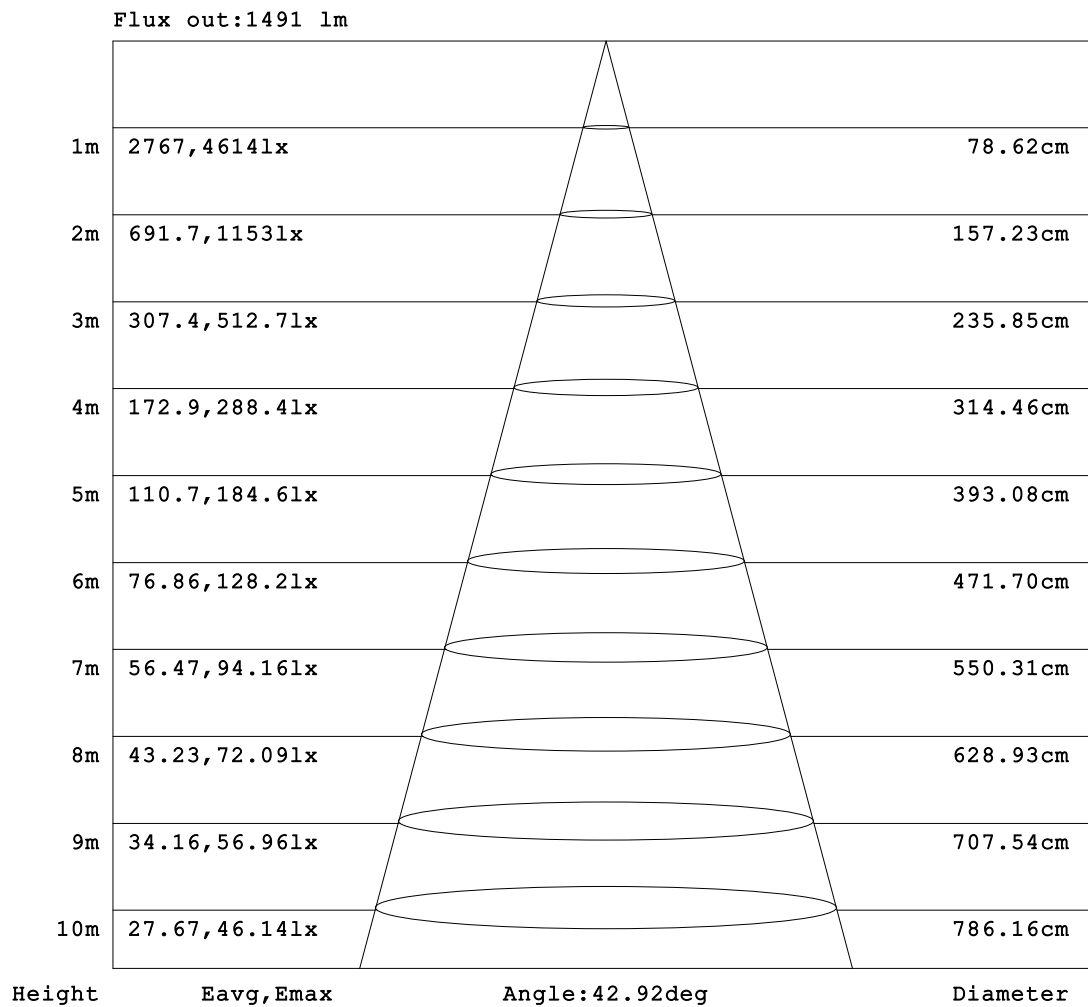


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 24 August 2022

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: 92FLCOM4040/WH	TYPE: 92FLCOM4040/WH	WEIGHT: 1
SPEC.:	DIM.: F 170 x 185	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: 92FLCOM4040/WH	TYPE: 92FLCOM4040/WH	WEIGHT: 1
SPEC.:	DIM.: F 170 x 185	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circular	Shielding Angle:

Table--1

UNIT: cd

H (DEG) V (DEG)	-90	-85	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0
-90	0.24	0.20	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.15	0.15
-85	0.24	0.21	0.18	0.20	0.21	0.20	0.20	0.23	0.25	0.26	0.26	0.28	0.29	0.30	0.32	0.33	0.34	0.34	0.34
-80	0.24	0.23	0.21	0.24	0.37	0.46	0.54	0.69	0.79	0.91	1.03	1.17	1.28	1.39	1.47	1.56	1.62	1.68	1.72
-75	0.24	0.24	0.25	0.46	0.64	0.97	1.29	1.92	2.33	3.48	4.81	5.34	5.46	6.65	7.89	8.92	9.63	9.90	9.86
-70	0.24	0.25	0.40	0.68	1.13	1.96	3.11	6.20	9.10	9.81	10.8	11.9	12.9	13.5	14.0	14.4	14.7	15.2	15.5
-65	0.24	0.27	0.54	1.02	1.97	3.96	8.54	10.7	12.1	13.6	14.8	15.7	15.9	16.2	16.9	17.7	18.4	19.3	20.1
-60	0.24	0.28	0.68	1.34	3.10	8.59	11.3	13.4	14.9	15.8	16.2	17.7	19.5	21.5	23.8	26.0	27.5	28.7	29.4
-55	0.24	0.34	0.87	2.07	6.37	10.8	13.4	15.5	16.0	17.3	20.1	24.0	27.8	30.4	33.0	34.8	36.1	37.2	37.9
-50	0.24	0.40	1.04	2.76	9.38	12.5	15.2	16.1	17.7	21.8	26.9	31.3	34.0	36.8	40.8	49.1	70.9	79.4	64.3
-45	0.24	0.45	1.20	4.34	10.5	14.1	16.2	17.3	22.0	28.2	32.4	35.7	42.1	56.7	126	282	348	419	456
-40	0.24	0.50	1.39	6.45	11.5	15.3	16.3	20.0	27.3	33.2	36.7	47.9	97.7	288	552	803	968	1068	1109
-35	0.24	0.54	1.70	8.36	12.6	16.2	17.3	23.7	31.8	36.5	47.6	104	409	805	1091	1225	1299	1336	1346
-30	0.24	0.58	1.96	9.34	13.6	16.4	19.0	27.5	34.7	41.6	88.6	390	861	1172	1314	1419	1516	1567	1583
-25	0.24	0.61	2.17	9.82	14.3	16.6	21.3	30.7	37.2	52.1	249	764	1154	1332	1492	1662	1851	1997	2057
-20	0.24	0.64	2.32	10.2	14.8	17.0	23.5	33.4	39.5	82.2	479	1037	1289	1475	1716	2039	2318	2540	2639
-15	0.24	0.66	2.44	10.5	15.3	17.2	25.2	34.5	44.0	149	696	1173	1375	1643	2012	2417	2840	3162	3292
-10	0.24	0.67	2.50	10.7	15.6	17.4	26.4	35.0	47.7	244	853	1239	1448	1778	2248	2778	3312	3703	3878
-5	0.24	0.68	2.52	10.8	15.7	17.4	27.0	35.2	49.6	296	945	1272	1493	1897	2389	3015	3638	4162	4449
0	0.24	0.69	2.49	10.8	15.7	17.4	27.1	35.1	49.9	308	971	1280	1501	1931	2434	3104	3760	4351	4614
5	0.24	0.68	2.45	10.7	15.6	17.4	26.7	34.8	48.5	280	922	1254	1463	1856	2342	2944	3544	4035	4225
10	0.24	0.67	2.36	10.5	15.3	17.4	25.8	34.0	45.6	219	811	1210	1399	1709	2162	2614	3109	3480	3611
15	0.24	0.65	2.24	10.2	14.9	17.2	24.4	32.8	41.5	129	644	1142	1314	1523	1884	2249	2585	2845	2938
20	0.24	0.63	2.08	9.83	14.3	17.0	22.6	31.3	37.4	68.6	417	958	1221	1372	1578	1865	2118	2276	2322
25	0.24	0.60	1.89	9.33	13.6	16.6	20.6	28.9	35.4	46.5	190	646	1069	1242	1361	1511	1662	1793	1835
30	0.24	0.57	1.67	8.74	12.7	16.1	18.6	25.7	32.9	38.7	63.7	284	718	1048	1196	1288	1359	1417	1436
35	0.24	0.53	1.43	7.65	11.8	15.7	17.2	22.2	29.4	35.1	42.6	69.5	271	610	904	1085	1153	1195	1208
40	0.24	0.49	1.16	5.66	10.7	14.5	16.6	18.8	24.7	31.0	35.9	42.6	97.3	185	361	564	716	815	842
45	0.24	0.45	0.99	3.46	9.43	12.9	15.9	16.9	19.9	25.7	30.9	34.9	38.2	44.7	72.4	150	179	211	218
50	0.24	0.41	0.86	1.92	7.93	11.3	14.3	16.2	16.9	20.0	24.6	28.9	32.4	34.7	36.0	38.8	41.3	42.8	43.3
55	0.24	0.36	0.73	1.45	4.90	9.33	12.3	14.7	16.1	16.9	18.5	21.6	25.1	28.3	30.5	31.7	32.5	33.1	33.5
60	0.24	0.31	0.59	0.98	1.79	6.76	10.0	12.3	14.1	15.5	16.3	16.5	17.5	19.3	21.1	22.9	24.3	25.3	25.8
65	0.24	0.30	0.50	0.78	1.22	2.51	7.09	9.59	11.4	12.9	14.1	15.1	15.3	15.4	15.7	15.9	16.1	16.3	16.5
70	0.24	0.29	0.40	0.57	0.80	1.26	2.05	5.18	8.09	9.22	10.4	11.4	12.3	12.9	13.3	13.9	14.3	14.4	14.3
75	0.24	0.28	0.31	0.43	0.53	0.73	0.98	1.51	1.98	3.16	4.48	5.13	5.51	6.39	7.18	8.24	9.14	9.59	9.75
80	0.24	0.26	0.28	0.30	0.37	0.43	0.48	0.63	0.82	0.97	1.12	1.25	1.38	1.48	1.57	1.65	1.70	1.71	1.69
85	0.24	0.25	0.26	0.27	0.27	0.27	0.26	0.29	0.31	0.32	0.32	0.33	0.34	0.35	0.35	0.36	0.37	0.37	0.37
90	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.24	0.24	0.24	0.24	0.24	0.24

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: 92FLCOM4040/WH	TYPE: 92FLCOM4040/WH	WEIGHT: 1
SPEC.:	DIM.: F 170 x 185	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	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.16	0.15	0.15	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	
-85	0.34	0.34	0.33	0.31	0.30	0.28	0.27	0.26	0.26	0.25	0.23	0.19	0.20	0.20	0.19	0.18	0.17	0.16	
-80	1.70	1.66	1.59	1.51	1.41	1.30	1.17	1.02	0.89	0.76	0.64	0.50	0.43	0.34	0.23	0.21	0.18	0.16	
-75	9.74	9.32	8.45	7.39	6.40	5.44	5.40	4.73	3.19	2.17	1.77	1.19	0.88	0.58	0.42	0.24	0.20	0.16	
-70	15.5	15.3	14.9	14.1	13.2	12.4	11.5	10.3	8.86	7.45	5.07	2.74	1.71	1.02	0.61	0.36	0.21	0.16	
-65	20.2	20.1	19.7	19.1	18.3	17.4	16.5	15.0	13.1	10.9	8.77	6.70	3.24	1.68	0.92	0.48	0.22	0.16	
-60	29.2	28.4	27.1	25.4	23.6	21.6	19.9	18.9	17.5	14.9	11.9	9.20	6.80	2.52	1.22	0.60	0.23	0.16	
-55	37.8	37.1	35.8	34.0	31.7	28.8	25.6	22.3	20.1	18.2	15.3	11.8	8.84	5.12	1.78	0.78	0.28	0.16	
-50	83.7	76.3	52.9	42.9	38.6	34.9	31.5	27.8	23.8	20.7	18.0	14.4	10.7	7.58	2.30	0.94	0.33	0.16	
-45	431	368	304	151	83.3	44.5	36.8	32.4	28.4	23.9	20.2	16.6	12.5	8.73	3.57	1.10	0.37	0.16	
-40	1068	981	840	596	352	170	52.9	37.7	31.8	27.5	22.7	18.2	14.3	9.83	5.30	1.26	0.41	0.16	
-35	1318	1286	1225	1115	858	465	134	52.3	35.7	30.2	25.4	20.3	15.9	11.1	6.86	1.50	0.45	0.16	
-30	1551	1507	1425	1329	1197	913	452	169	43.2	32.6	27.9	22.3	17.2	12.2	7.75	1.71	0.48	0.16	
-25	2002	1859	1671	1511	1358	1185	826	327	58.4	35.6	29.6	24.1	18.3	13.3	8.29	1.87	0.50	0.16	
-20	2567	2359	2060	1723	1500	1320	1090	547	99.1	39.8	31.2	25.6	19.4	14.2	8.75	2.00	0.52	0.16	
-15	3195	2894	2477	2041	1661	1413	1208	769	182	46.8	32.5	26.6	20.2	14.9	9.12	2.09	0.54	0.16	
-10	3735	3379	2858	2319	1804	1492	1277	921	294	52.6	33.6	27.2	20.7	15.4	9.39	2.15	0.55	0.16	
-5	4199	3701	3111	2485	1942	1555	1315	1006	351	55.3	34.3	27.5	20.9	15.8	9.57	2.16	0.55	0.16	
0	4372	3780	3171	2514	1962	1533	1321	1022	359	55.4	34.8	27.5	20.8	16.0	9.64	2.15	0.55	0.16	
5	4024	3549	2981	2398	1872	1496	1290	968	322	53.0	34.4	27.0	20.4	15.8	9.61	2.11	0.55	0.16	
10	3485	3131	2656	2195	1725	1441	1241	852	246	48.8	33.6	26.2	19.9	15.5	9.47	2.03	0.54	0.16	
15	2848	2601	2273	1899	1553	1355	1165	682	143	43.4	32.4	25.0	19.2	15.0	9.21	1.93	0.52	0.16	
20	2277	2126	1871	1592	1403	1246	984	445	74.8	38.1	31.1	23.6	18.5	14.2	8.83	1.80	0.51	0.16	
25	1800	1670	1528	1389	1261	1085	670	206	50.1	35.7	29.0	22.0	17.7	13.3	8.34	1.64	0.48	0.16	
30	1431	1382	1316	1221	1066	740	304	67.7	39.2	32.9	26.5	20.0	16.8	12.3	7.74	1.46	0.46	0.16	
35	1206	1170	1104	925	630	288	72.9	43.7	34.9	29.6	23.3	18.4	15.7	11.4	6.73	1.26	0.43	0.16	
40	824	729	578	376	176	63.3	43.0	35.3	31.0	25.5	20.1	17.4	14.3	10.3	4.97	1.04	0.40	0.16	
45	214	183	154	74.4	45.6	37.6	34.5	30.9	26.2	21.1	17.7	15.8	12.8	8.67	2.97	0.89	0.37	0.16	
50	43.4	42.1	39.4	36.0	34.5	32.3	29.0	25.1	21.0	17.5	16.0	13.9	11.4	6.45	1.63	0.76	0.33	0.16	
55	33.5	33.0	31.9	30.4	28.1	25.3	21.7	18.9	16.9	15.7	13.9	11.9	8.63	3.85	1.25	0.63	0.30	0.16	
60	25.9	25.3	23.7	21.8	19.6	17.5	16.1	15.6	15.0	13.6	11.7	9.77	5.23	1.52	0.88	0.50	0.26	0.16	
65	16.4	16.2	15.7	15.2	14.7	14.5	14.1	13.4	12.4	11.2	9.49	6.63	2.03	1.07	0.69	0.43	0.25	0.16	
70	14.1	13.8	13.5	13.0	12.5	11.9	11.3	10.5	9.29	8.13	4.98	1.57	1.07	0.72	0.49	0.36	0.24	0.16	
75	9.78	9.48	8.75	7.71	6.64	5.67	5.22	4.43	2.91	1.62	1.25	0.87	0.65	0.47	0.38	0.29	0.23	0.16	
80	1.64	1.58	1.50	1.41	1.33	1.24	1.13	1.01	0.89	0.75	0.57	0.43	0.38	0.33	0.28	0.27	0.22	0.16	
85	0.37	0.36	0.36	0.35	0.34	0.33	0.32	0.31	0.30	0.29	0.27	0.25	0.25	0.25	0.25	0.25	0.21	0.16	
90	0.24	0.24	0.24	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.20	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: