

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1398.3 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	2.5 degrees horizontal

Beam Spread	At 10% of Imax	85.3V x 85.1H
	At 50% of Imax	48.5V x 48.8H
	At 90% of Imax	25.8V x 26.4H

Beam Flux	Total	1063.6 lumens per klm.
	To 10% of Imax	1007.5 lumens per klm.
	To 50% of Imax	611.9 lumens per klm.
	To 90% of Imax	222.4 lumens per klm.

Upward LOR	0.0 %
Downward LOR	106.4 %

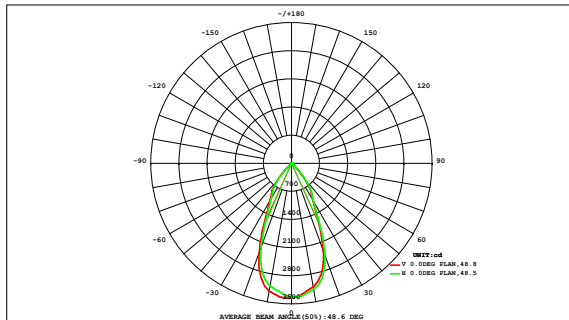
Luminaire Efficiency (Light Output Ratio)	106.2 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 24 August 2022

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/WH	TYPE: 92FLCOM3040/WH	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/WH	Imax (cd)	3356
NOMINAL POWER (W)	30	AVAILABILITY (%)	100.7
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	2417
NOMINAL FLUX (lm)	2400	LOR (%)	106.2
LAMPS INSIDE	1	TOTAL FLUX (lm)	2550
TEST VOLTAGE (V)	230	θ @50% (H,V)	49,48DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm				Φ t	Φ a
	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.13	0.00		
90	0.00	0.00	0.01	0.02	0.05	0.08	0.12	0.14	0.15	0.15	0.14	0.12	0.09	0.05	0.02	0.01	0.00	0.00	1.15	0.00		
80	0.00	0.00	0.03	0.08	0.14	0.22	0.30	0.37	0.41	0.41	0.37	0.31	0.22	0.15	0.08	0.03	0.00	0.00	3.12	0.00		
70	0.00	0.01	0.07	0.14	0.27	0.44	0.63	0.78	0.87	0.87	0.78	0.64	0.46	0.28	0.14	0.06	0.01	0.00	6.43	0.00		
60	0.00	0.02	0.09	0.22	0.45	0.74	1.35	3.18	5.33	5.71	3.67	1.69	0.78	0.46	0.23	0.09	0.02	0.00	24.0	4.94		
50	0.00	0.03	0.12	0.32	0.65	2.02	9.20	18.5	23.4	23.5	19.1	10.4	2.75	0.68	0.33	0.12	0.03	0.00	111	97.6		
40	0.00	0.04	0.15	0.42	1.08	8.42	22.2	33.5	44.2	44.3	33.7	22.7	9.76	1.43	0.42	0.15	0.04	0.00	223	214		
30	0.00	0.04	0.18	0.49	2.45	16.0	32.1	60.1	80.7	80.9	60.3	32.3	16.9	3.31	0.50	0.18	0.04	0.00	386	379		
-30	0.00	0.05	0.19	0.53	4.07	19.6	42.2	79.4	95.7	96.5	80.4	42.6	20.3	4.91	0.56	0.20	0.05	0.00	487	481		
	0.00	0.05	0.19	0.54	4.29	19.6	42.6	79.7	96.2	98.8	82.9	44.0	20.7	4.99	0.57	0.20	0.05	0.00	495	489		
	0.00	0.04	0.18	0.50	2.85	16.2	33.1	63.5	84.6	85.7	65.0	34.1	17.6	3.32	0.52	0.19	0.05	0.00	407	400		
	0.00	0.04	0.15	0.42	1.32	9.43	23.0	35.9	49.0	49.1	36.4	23.9	10.6	1.41	0.44	0.16	0.04	0.00	241	233		
	0.00	0.03	0.12	0.33	0.70	2.70	10.8	20.2	25.1	25.3	20.8	11.7	2.86	0.72	0.34	0.13	0.04	0.00	122	109		
-40	0.00	0.02	0.09	0.23	0.48	0.81	1.82	4.40	6.83	6.97	4.47	1.79	0.83	0.48	0.24	0.10	0.03	0.00	29.6	9.43		
-50	0.00	0.01	0.07	0.14	0.28	0.48	0.67	0.85	0.97	0.98	0.87	0.68	0.48	0.29	0.15	0.07	0.01	0.00	7.00	0.00		
-60	0.00	0.00	0.03	0.09	0.16	0.24	0.33	0.40	0.45	0.45	0.41	0.33	0.24	0.16	0.09	0.03	0.01	0.00	3.42	0.00		
-70	0.00	0.00	0.01	0.02	0.06	0.10	0.14	0.16	0.17	0.18	0.17	0.14	0.10	0.06	0.03	0.01	0.00	0.00	1.36	0.00		
-80	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.16	0.00		
-90	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)				20	30	40	50	60	70	80	90		
Φ t	0.02	0.40	1.67	4.51	19.3	97.0	221	401	514	520	410	227	105	22.7	4.66	1.73	0.42	0.02	2550	---		
Φ a	0.00	0.00	0.00	0.00	3.67	83.3	210	391	505	510	400	217	91.5	6.78	0.00	0.00	0.00	0.00	---	2417		

one-half-peak spread: U:22.5,D:23.7 , L:27.0,R:22.0

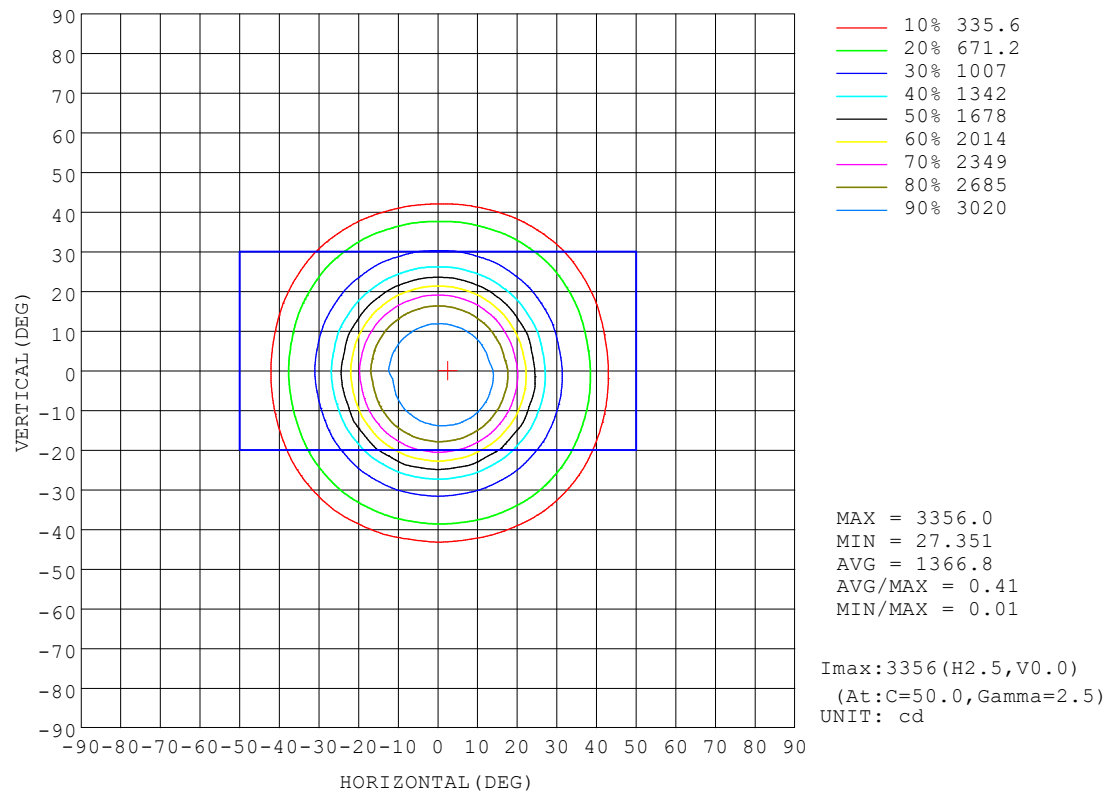
NEMA Beam Type: Type 5

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

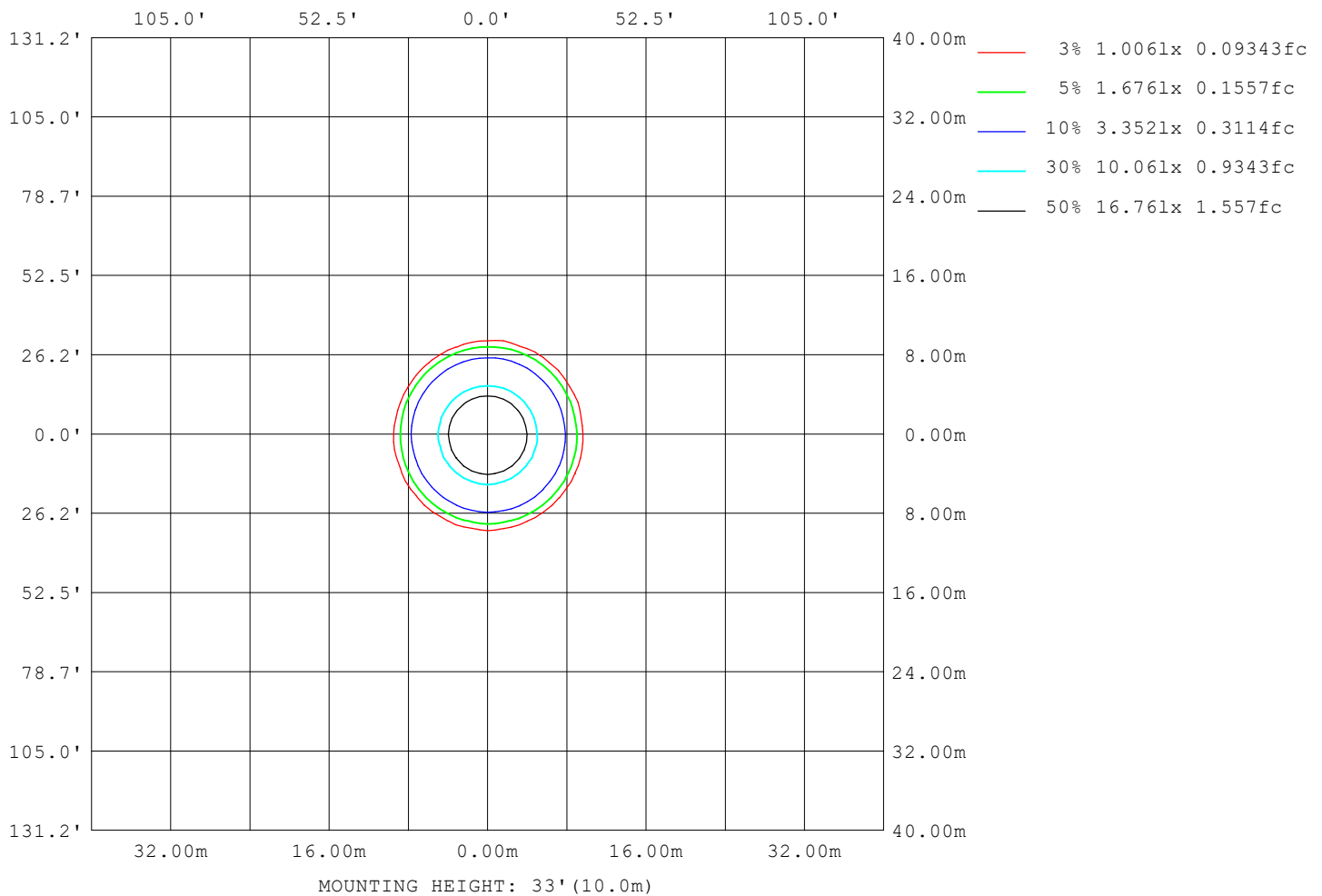


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 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
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γ Range: 0 - 90DEG
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 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
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 Test Distance:6.265m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

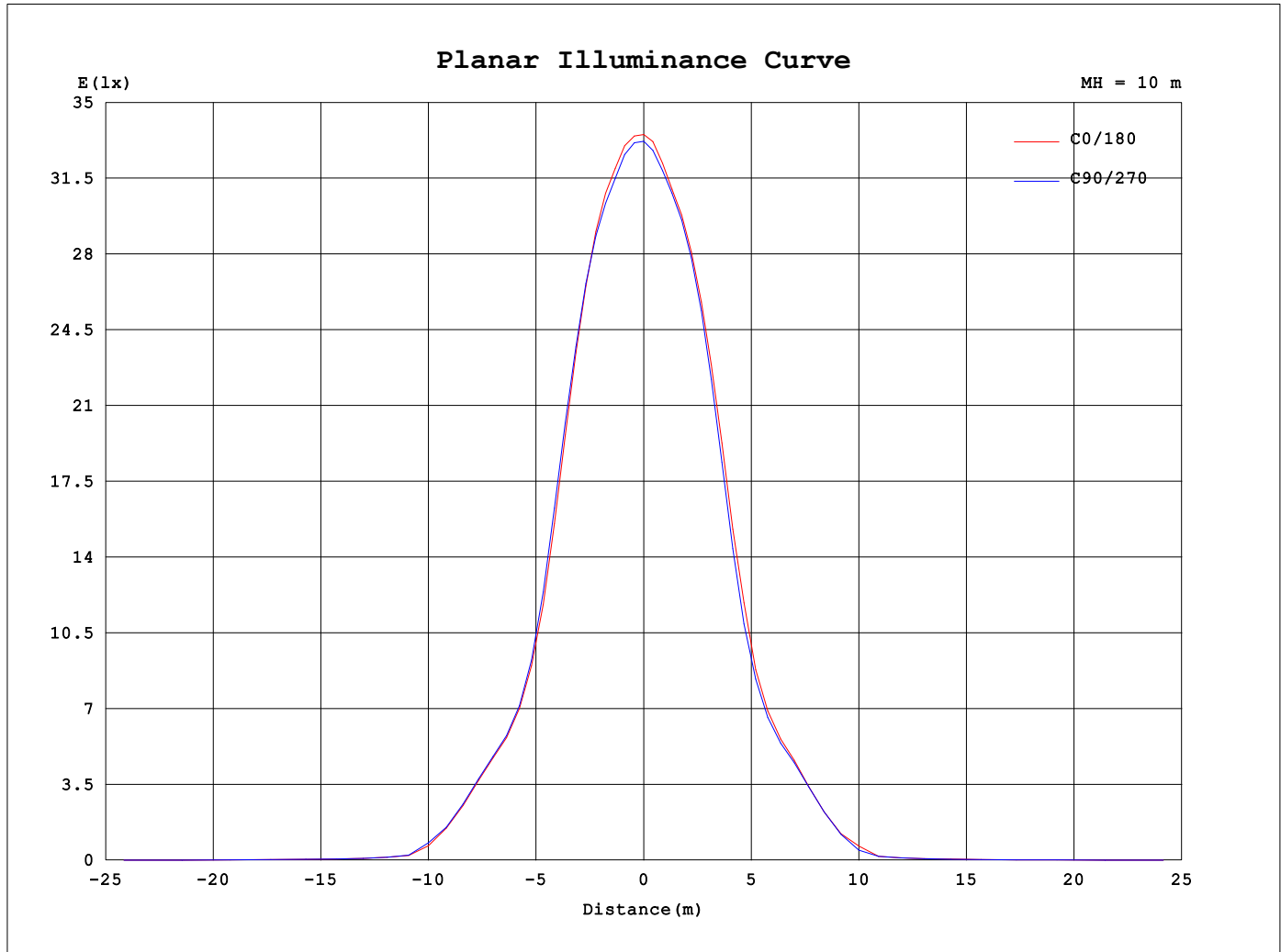
NAME: 92FLCOM3040/WH	TYPE: 92FLCOM3040/WH	WEIGHT: 1
SPEC.:	DIM.: F 130 x 155	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circular	Shielding Angle:



C Range: 0 - 360DEG
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Humidity: 65.0%
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Remarks:

Planar Illuminance Curve

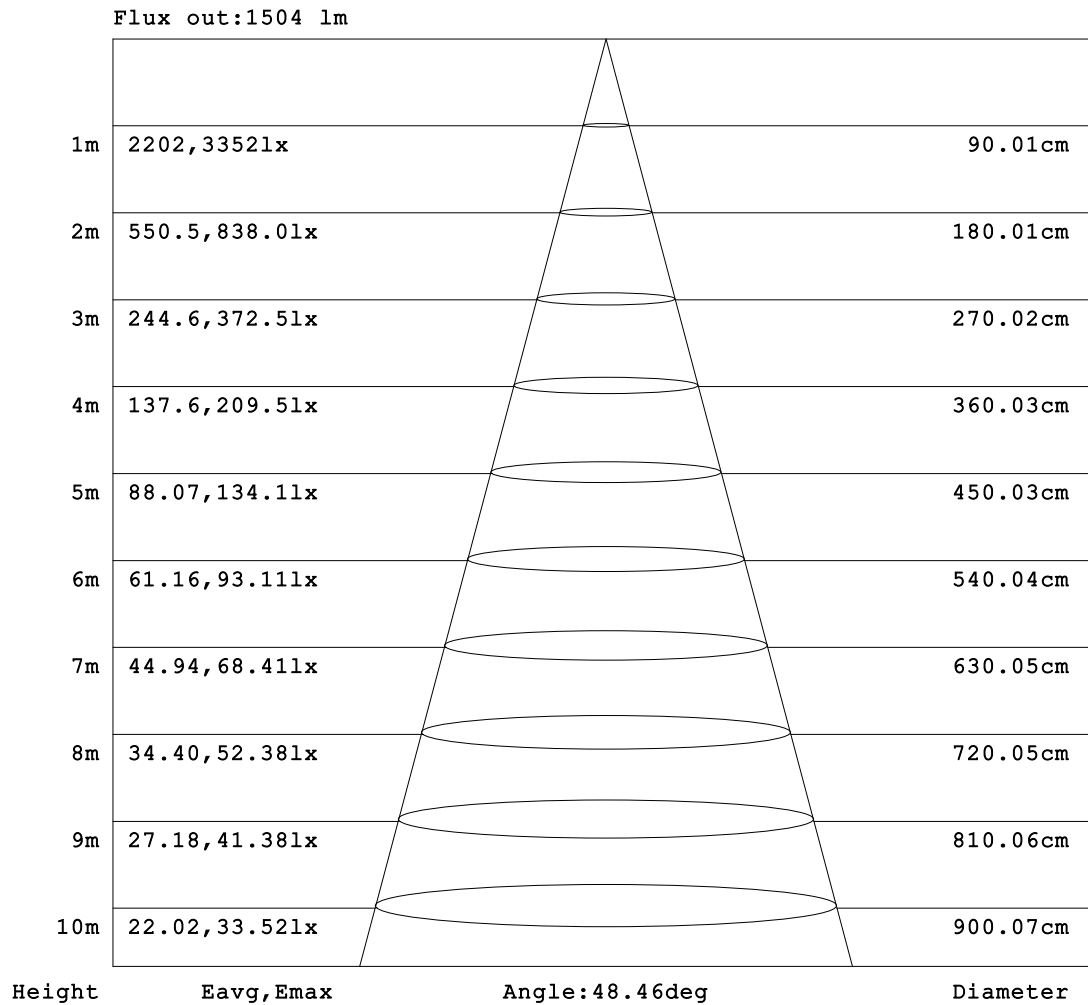


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 24 August 2022

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: 92FLCOM3040/WH	TYPE: 92FLCOM3040/WH	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%
 Test Distance:6.265m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 92FLCOM3040/WH	TYPE: 92FLCOM3040/WH	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	0.17	0.14	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
-85	0.17	0.16	0.14	0.16	0.19	0.20	0.21	0.25	0.28	0.31	0.34	0.36	0.38	0.40	0.43	0.43	0.44	0.45	0.46
-80	0.17	0.17	0.18	0.22	0.29	0.36	0.44	0.54	0.63	0.73	0.87	1.10	1.30	1.49	1.65	1.69	1.68	1.87	2.04
-75	0.17	0.19	0.21	0.32	0.43	0.60	0.77	1.05	1.39	2.39	3.68	4.66	5.14	5.31	5.42	5.60	5.75	5.86	5.91
-70	0.17	0.20	0.28	0.42	0.65	0.93	1.31	3.14	4.85	5.53	6.25	6.82	7.28	7.67	8.02	8.41	8.74	8.92	8.98
-65	0.17	0.22	0.34	0.58	0.91	1.65	4.24	5.34	6.19	7.12	8.19	9.19	10.3	11.3	12.5	13.4	14.1	14.6	14.7
-60	0.17	0.23	0.40	0.74	1.19	4.21	5.49	6.51	7.78	9.36	11.2	13.6	15.5	17.3	19.0	20.3	21.3	22.0	22.4
-55	0.17	0.25	0.50	0.94	3.00	5.27	6.48	7.92	10.1	12.9	16.1	19.1	21.8	24.2	26.4	28.4	29.8	30.8	31.4
-50	0.17	0.28	0.59	1.13	4.71	6.06	7.65	10.0	13.4	17.3	21.2	25.0	28.6	32.0	35.4	41.0	45.9	49.4	51.1
-45	0.17	0.30	0.68	1.95	5.29	6.84	9.13	12.7	17.2	22.0	26.7	31.5	37.3	47.2	83.7	108	158	191	229
-40	0.17	0.31	0.76	3.17	5.85	7.77	10.9	15.7	21.2	26.7	32.6	41.7	64.7	152	255	383	483	547	577
-35	0.17	0.33	0.85	4.28	6.38	8.72	13.1	18.7	24.9	31.5	41.2	95.5	199	385	567	716	804	851	872
-30	0.17	0.34	0.93	4.86	6.86	9.90	15.1	21.4	28.4	36.6	59.6	192	420	656	828	923	1014	1071	1100
-25	0.17	0.35	1.00	5.15	7.34	10.9	17.1	23.9	31.7	43.9	138	364	643	856	994	1177	1411	1591	1665
-20	0.17	0.36	1.05	5.40	7.77	12.0	18.7	26.1	34.7	76.3	227	535	813	982	1242	1680	2067	2334	2437
-15	0.17	0.37	1.09	5.60	8.10	12.9	20.0	27.9	38.3	99.6	331	665	900	1157	1634	2207	2631	2859	2957
-10	0.17	0.37	1.12	5.76	8.34	13.5	20.9	29.1	40.9	144	421	755	975	1338	1994	2591	2935	3104	3178
-5	0.17	0.37	1.13	5.85	8.49	13.9	21.5	29.8	42.2	175	477	814	1034	1526	2223	2767	3051	3185	3298
0	0.17	0.37	1.14	5.90	8.54	14.1	21.7	29.9	42.2	184	496	840	1063	1600	2323	2861	3120	3257	3352
5	0.17	0.37	1.12	5.87	8.51	14.0	21.4	29.6	41.3	148	471	815	1034	1480	2201	2772	3055	3171	3222
10	0.17	0.36	1.10	5.79	8.38	13.6	20.9	28.7	39.5	106	409	756	977	1336	1924	2532	2885	3046	3097
15	0.17	0.36	1.06	5.64	8.17	13.0	19.9	27.4	36.8	76.3	314	663	895	1123	1532	2081	2508	2733	2816
20	0.17	0.35	1.01	5.44	7.87	12.2	18.7	25.7	33.6	53.7	197	510	792	960	1183	1505	1876	2130	2215
25	0.17	0.34	0.95	5.18	7.48	11.0	17.1	23.5	30.6	40.2	97.6	321	613	833	951	1108	1276	1424	1467
30	0.17	0.33	0.88	4.86	7.02	10.0	15.1	21.1	27.4	34.4	52.0	136	375	612	790	885	952	1007	1017
35	0.17	0.32	0.79	4.26	6.53	8.84	13.0	18.5	23.9	29.6	36.8	56.1	134	318	513	663	751	808	821
40	0.17	0.30	0.69	3.11	5.96	7.94	11.0	15.4	20.2	25.1	30.2	36.6	51.6	96.2	194	305	409	476	495
45	0.17	0.29	0.61	1.85	5.34	7.04	9.17	12.4	16.6	20.5	24.7	29.0	33.5	39.8	53.1	74.9	105	125	132
50	0.17	0.28	0.52	1.00	4.66	6.18	7.70	9.77	12.7	16.4	19.7	23.1	26.5	29.7	32.4	35.6	38.9	41.1	42.0
55	0.17	0.26	0.42	0.82	2.89	5.26	6.46	7.77	9.63	12.1	14.9	17.7	20.2	22.8	24.8	26.3	27.4	28.0	28.1
60	0.17	0.25	0.32	0.64	1.03	4.05	5.33	6.28	7.35	8.70	10.3	12.2	14.3	16.3	18.0	19.1	19.9	20.3	20.3
65	0.17	0.23	0.30	0.49	0.78	1.43	3.93	4.99	5.76	6.46	7.37	8.29	9.49	10.4	11.4	12.3	12.9	13.1	13.0
70	0.17	0.22	0.27	0.34	0.56	0.79	1.00	2.71	4.28	4.88	5.49	6.08	6.64	7.15	7.55	7.75	7.85	7.83	7.72
75	0.17	0.21	0.24	0.28	0.35	0.52	0.69	0.83	0.96	1.69	2.77	3.80	4.44	4.81	5.15	5.31	5.36	5.29	5.14
80	0.17	0.20	0.22	0.24	0.27	0.32	0.38	0.48	0.56	0.64	0.70	0.77	0.83	0.88	0.93	0.96	0.99	1.01	1.03
85	0.17	0.18	0.20	0.20	0.21	0.23	0.24	0.26	0.28	0.30	0.31	0.33	0.34	0.35	0.36	0.37	0.38	0.38	0.38
90	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17

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: 92FLCOM3040/WH	TYPE: 92FLCOM3040/WH	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	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	
-85	0.46	0.45	0.45	0.45	0.43	0.41	0.39	0.37	0.34	0.31	0.27	0.23	0.22	0.20	0.18	0.16	0.14	0.12	
-80	1.94	1.82	1.85	1.82	1.63	1.41	1.17	0.89	0.75	0.66	0.57	0.48	0.40	0.32	0.25	0.20	0.16	0.12	
-75	6.01	6.06	6.08	6.01	5.63	5.24	4.66	3.68	2.53	1.58	1.20	0.79	0.63	0.47	0.36	0.24	0.18	0.12	
-70	9.04	8.98	8.79	8.47	7.89	7.25	6.60	5.96	5.44	4.88	3.41	1.71	1.07	0.67	0.47	0.32	0.20	0.12	
-65	14.7	14.4	13.8	12.8	11.4	10.3	9.06	8.03	7.11	6.26	5.46	4.58	2.07	1.05	0.62	0.38	0.21	0.12	
-60	22.4	22.0	21.0	19.6	17.6	15.6	13.5	11.3	9.43	7.94	6.73	5.69	4.64	1.58	0.76	0.45	0.23	0.12	
-55	31.2	30.4	29.0	26.8	24.5	21.9	19.1	16.1	13.2	10.5	8.22	6.81	5.64	3.46	1.13	0.53	0.26	0.12	
-50	50.4	47.6	42.6	36.3	32.6	28.7	24.9	21.2	17.6	14.0	10.6	8.07	6.43	5.19	1.50	0.61	0.28	0.12	
-45	196	158	108	69.5	51.3	38.6	31.8	26.5	22.1	17.8	13.5	9.68	7.31	5.72	2.41	0.69	0.30	0.12	
-40	557	502	405	277	152	69.2	45.1	33.1	26.7	21.6	16.5	11.8	8.26	6.24	3.66	0.78	0.32	0.12	
-35	853	816	746	610	427	217	73.6	45.2	31.9	25.1	19.5	14.0	9.26	6.82	4.78	0.94	0.34	0.12	
-30	1072	1018	931	847	708	474	217	68.2	38.4	28.9	22.2	16.1	10.7	7.32	5.32	1.07	0.35	0.12	
-25	1591	1419	1192	1010	876	704	422	151	51.1	32.6	24.6	18.1	11.9	7.77	5.55	1.17	0.37	0.12	
-20	2344	2082	1704	1270	1007	848	604	276	67.6	35.8	26.7	19.8	13.1	8.16	5.74	1.25	0.37	0.12	
-15	2903	2690	2256	1681	1195	931	738	399	105	42.0	28.8	21.0	14.0	8.47	5.87	1.29	0.38	0.12	
-10	3170	3041	2679	2060	1393	1011	811	496	158	47.6	30.2	22.0	14.6	8.68	5.96	1.32	0.38	0.12	
-5	3285	3187	2887	2303	1588	1070	851	551	186	50.9	31.1	22.5	15.0	8.80	5.99	1.32	0.38	0.12	
0	3339	3226	2944	2367	1588	1081	860	563	191	51.9	31.3	22.8	15.1	8.82	5.99	1.30	0.38	0.12	
5	3201	3103	2801	2213	1497	1043	833	532	178	50.0	30.6	22.3	14.8	8.67	5.91	1.26	0.38	0.12	
10	3062	2909	2544	1931	1347	983	783	467	158	45.9	29.3	21.5	14.2	8.42	5.79	1.21	0.37	0.12	
15	2739	2519	2088	1542	1131	900	707	373	118	40.2	27.5	20.4	13.4	8.09	5.64	1.14	0.37	0.12	
20	2136	1884	1517	1192	963	811	562	267	66.3	34.1	25.4	18.9	12.3	7.68	5.44	1.06	0.36	0.12	
25	1427	1284	1116	954	844	655	379	150	48.3	30.9	23.5	17.2	11.1	7.19	5.21	0.97	0.35	0.12	
30	1009	954	888	804	645	426	203	85.5	35.8	27.4	21.4	15.2	9.86	6.67	4.95	0.87	0.33	0.12	
35	811	759	680	542	365	196	67.3	41.8	30.1	23.8	18.6	13.1	8.45	6.16	4.36	0.76	0.32	0.12	
40	484	428	338	251	140	77.8	41.3	31.1	25.1	20.8	15.6	10.9	7.47	5.59	3.14	0.65	0.31	0.12	
45	162	133	83.8	58.5	45.4	35.0	30.0	25.2	21.5	17.0	12.6	8.85	6.54	5.11	1.82	0.57	0.29	0.12	
50	42.1	40.6	37.1	32.8	30.3	27.0	23.6	20.7	17.0	13.2	9.84	7.30	5.71	4.63	0.95	0.50	0.27	0.12	
55	28.0	27.4	26.2	24.6	23.0	21.0	18.4	15.5	12.6	9.87	7.57	6.13	4.98	2.88	0.77	0.42	0.25	0.12	
60	20.2	19.9	19.1	18.0	16.7	14.9	12.9	10.9	8.93	7.36	6.13	5.14	4.02	1.02	0.59	0.35	0.23	0.12	
65	13.0	12.8	12.3	11.6	10.8	9.81	8.50	7.54	6.61	5.76	4.97	3.97	1.45	0.76	0.48	0.32	0.22	0.12	
70	7.70	7.59	7.49	7.31	7.05	6.67	6.13	5.53	5.01	4.49	2.79	1.03	0.79	0.54	0.36	0.28	0.20	0.12	
75	5.14	5.08	5.03	4.92	4.75	4.54	4.01	2.96	1.76	0.98	0.85	0.70	0.53	0.38	0.30	0.25	0.19	0.12	
80	1.01	0.99	0.97	0.94	0.90	0.85	0.80	0.73	0.67	0.59	0.50	0.41	0.34	0.29	0.25	0.22	0.17	0.12	
85	0.38	0.38	0.38	0.37	0.36	0.35	0.34	0.33	0.31	0.30	0.28	0.26	0.23	0.22	0.20	0.19	0.16	0.12	
90	0.17	0.17	0.17	0.17	0.16	0.16	0.16	0.17	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.14	0.12	

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: