

# Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1469.1 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	82.3V x 82.9H
	At 50% of Imax	41.9V x 42.1H
	At 90% of Imax	13.2V x 13.8H

Beam Flux	Total	953.7 lumens per klm.
	To 10% of Imax	894.6 lumens per klm.
	To 50% of Imax	421.9 lumens per klm.
	To 90% of Imax	60.8 lumens per klm.

Upward LOR	0.0 %
Downward LOR	95.4 %

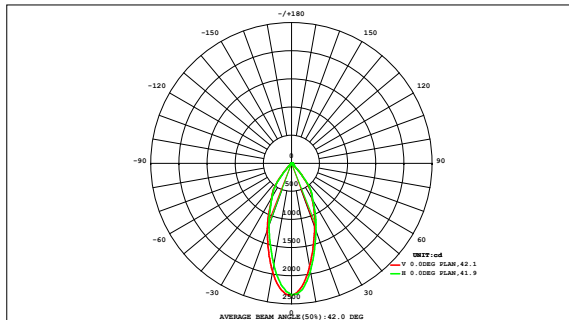
Luminaire Efficiency (Light Output Ratio)	95.2 %
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C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators:  
Test Date: 24 August 2022

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: 92FLCOM2040/WH	TYPE: 92FLCOM2040/WH	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/WH	Imax (cd)	2351
NOMINAL POWER (W)	20	AVAILABILITY (%)	89.2
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	1427
NOMINAL FLUX (lm)	1600	LOR (%)	95.2
LAMPS INSIDE	1	TOTAL FLUX (lm)	1524
TEST VOLTAGE (V)	230	θ @50% (H,V)	42,42DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.06	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	0.04	0.02	0.01	0.00	0.00	0.00	0.61	0.00
80	0.00	0.00	0.01	0.05	0.10	0.17	0.23	0.27	0.30	0.30	0.27	0.22	0.17	0.10	0.04	0.01	0.00	0.00	2.25	0.00
70	0.00	0.00	0.04	0.11	0.20	0.30	0.40	0.49	0.53	0.53	0.47	0.39	0.30	0.20	0.11	0.03	0.00	0.00	4.12	0.00
60	0.00	0.01	0.07	0.17	0.30	0.49	0.86	1.61	2.49	2.44	1.53	0.81	0.45	0.29	0.17	0.07	0.01	0.00	11.8	0.00
50	0.00	0.02	0.09	0.22	0.44	1.25	5.05	11.3	15.0	14.7	10.9	4.70	1.16	0.40	0.21	0.09	0.01	0.00	65.6	54.4
40	0.00	0.02	0.11	0.28	0.78	5.08	15.0	22.3	27.1	26.9	21.4	14.1	4.53	0.73	0.26	0.11	0.02	0.00	139	132
30	0.00	0.03	0.13	0.34	1.67	10.7	21.5	33.0	43.0	43.4	33.1	20.3	9.76	1.40	0.30	0.13	0.03	0.00	219	213
20	0.00	0.03	0.14	0.38	2.65	13.7	25.8	42.2	60.2	61.1	43.8	25.3	12.7	2.25	0.34	0.14	0.03	0.00	291	286
10	0.00	0.03	0.14	0.38	2.78	13.9	26.0	42.7	61.6	63.6	45.6	26.1	13.1	2.43	0.35	0.14	0.03	0.00	299	294
0	0.00	0.03	0.13	0.35	1.83	11.3	22.1	34.5	45.5	46.4	35.7	21.8	10.7	1.68	0.31	0.13	0.03	0.00	233	227
-10	0.00	0.03	0.12	0.29	0.92	6.09	16.2	23.8	29.4	29.5	23.7	15.8	5.73	0.85	0.27	0.12	0.02	0.00	153	146
-20	0.00	0.02	0.10	0.24	0.51	1.74	6.83	13.6	17.3	17.3	13.5	6.56	1.56	0.46	0.22	0.10	0.02	0.00	80.0	70.1
-30	0.00	0.01	0.07	0.18	0.33	0.59	1.27	2.70	4.12	4.08	2.61	1.20	0.55	0.31	0.18	0.07	0.01	0.00	18.3	3.35
-40	0.00	0.01	0.04	0.12	0.22	0.34	0.47	0.61	0.71	0.71	0.60	0.45	0.32	0.22	0.12	0.04	0.00	0.00	4.98	0.00
-50	0.00	0.00	0.02	0.06	0.12	0.19	0.25	0.31	0.33	0.33	0.30	0.26	0.19	0.12	0.05	0.01	0.00	0.00	2.56	0.00
-60	0.00	0.00	0.00	0.01	0.03	0.06	0.09	0.11	0.13	0.13	0.11	0.09	0.05	0.03	0.01	0.00	0.00	0.00	0.87	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	0.07	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	0.26	1.23	3.20	12.9	66.1	142	230	308	312	234	138	61.4	11.5	2.96	1.20	0.23	0.01	1524	---
Φ a	0.00	0.00	0.00	0.00	1.98	56.0	134	222	300	304	226	130	51.3	0.94	0.00	0.00	0.00	0.00	---	1427

one-half-peak spread: U:22.1,D:20.3 , L:20.9,R:21.6

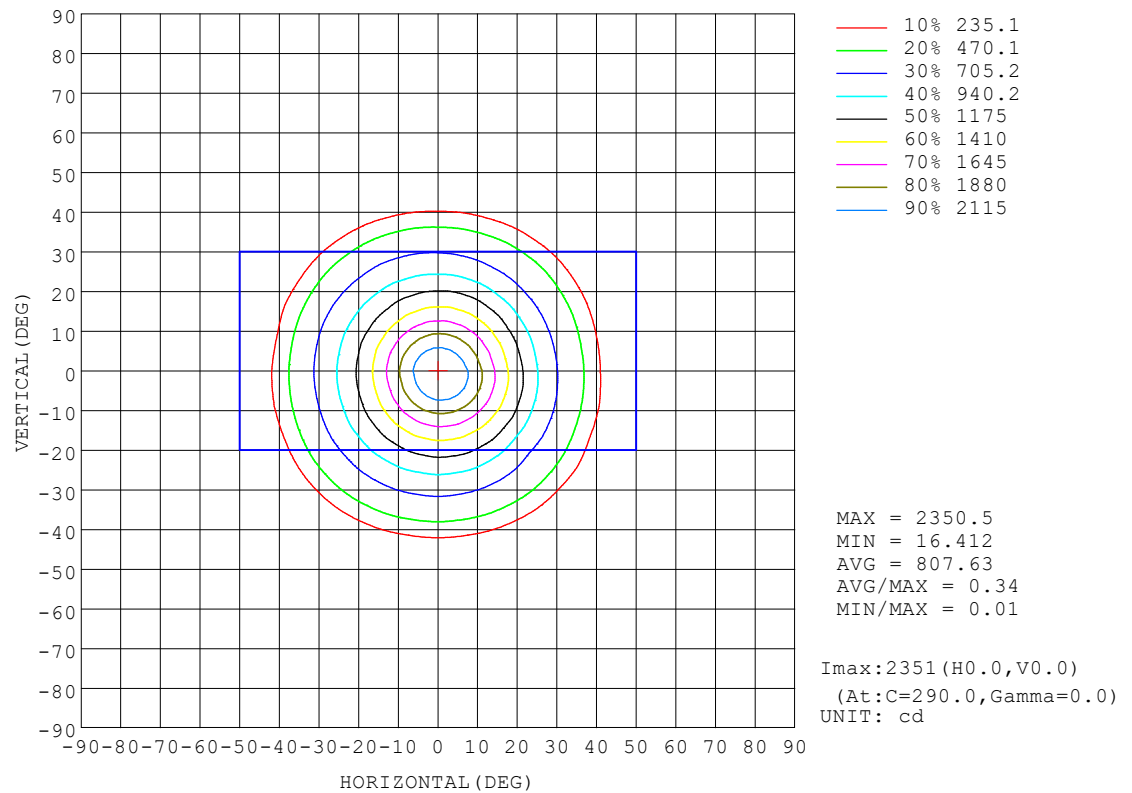
NEMA Beam Type: Type 5

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

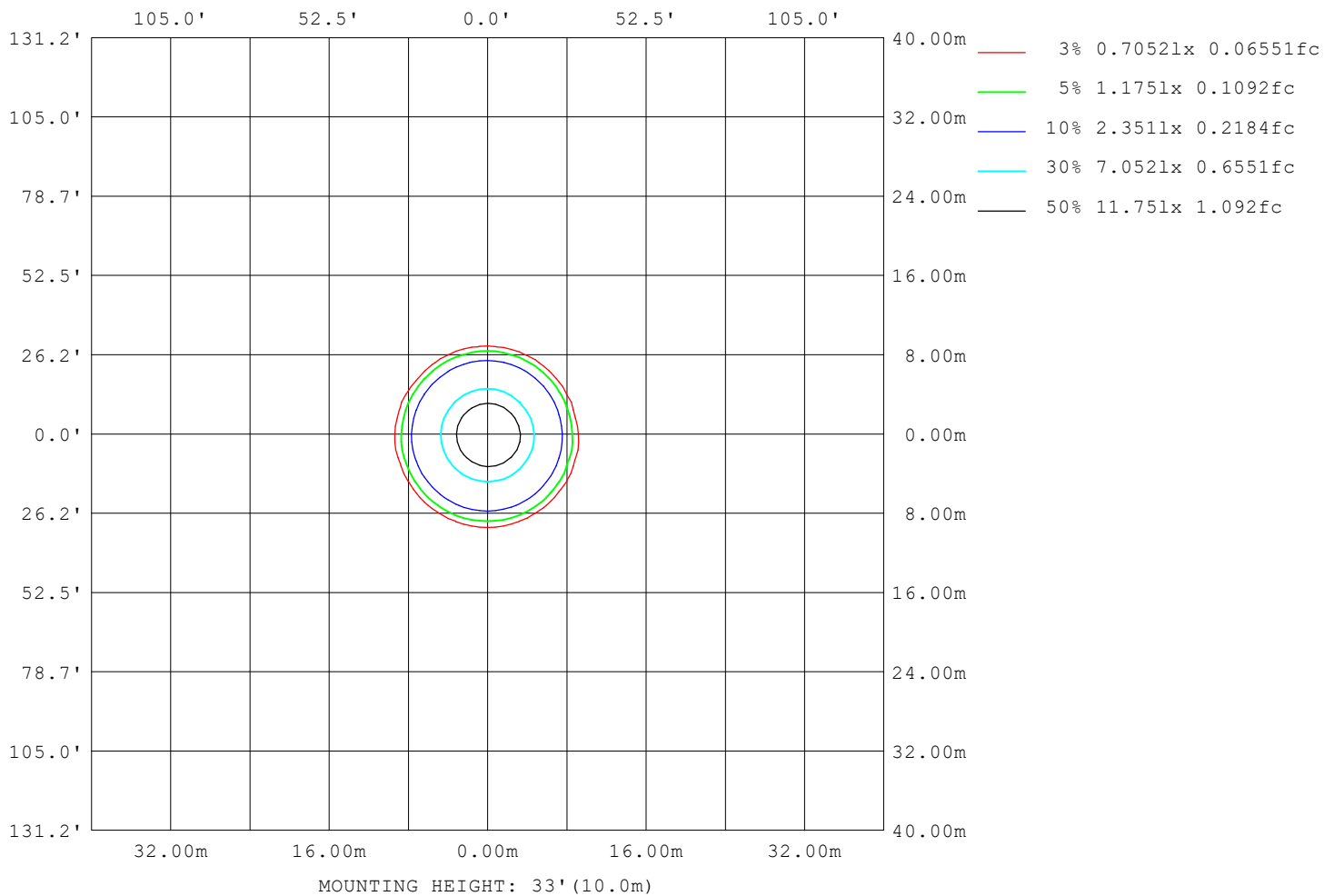


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:  
Test Date:24 August 2022

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

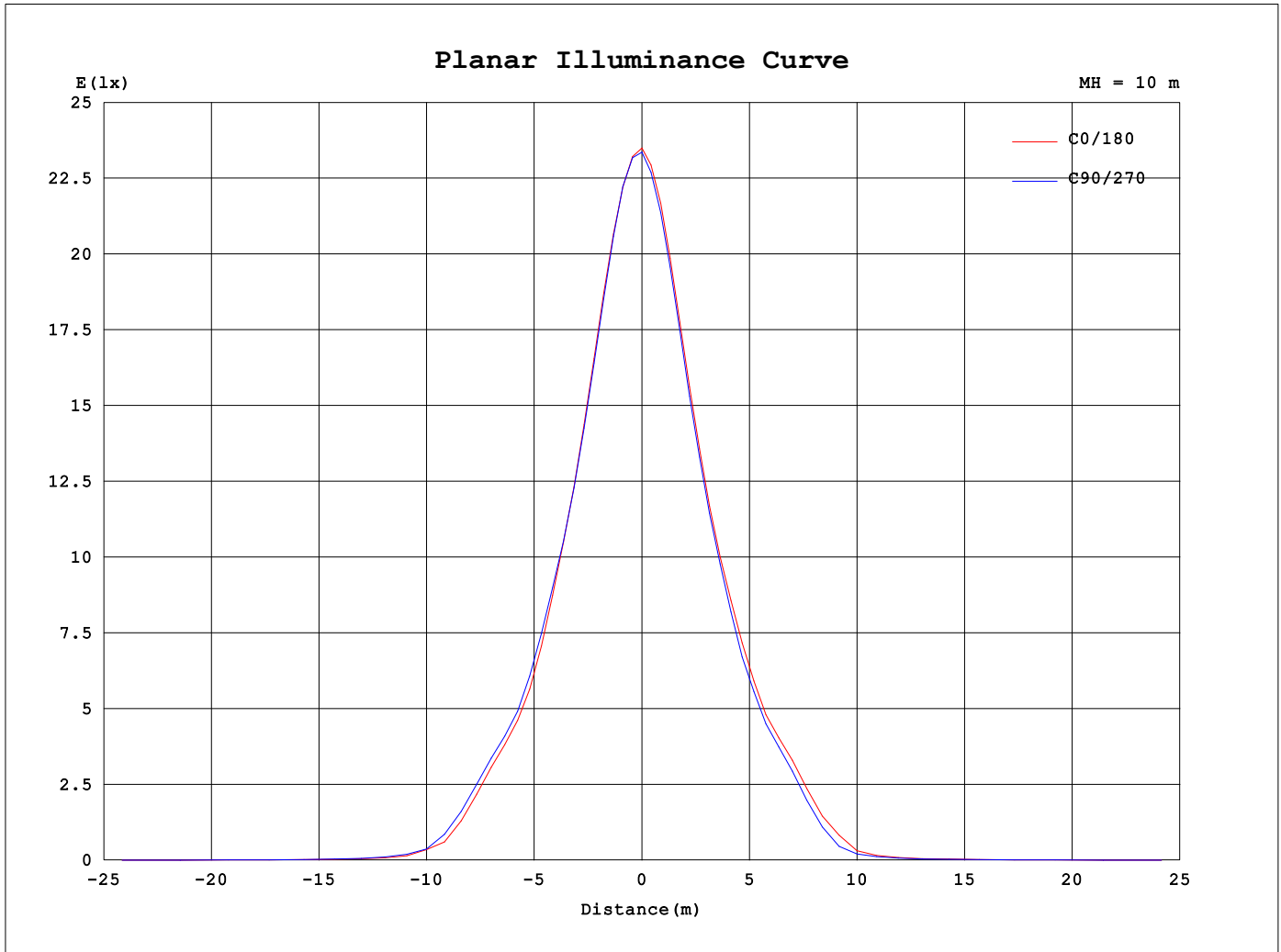
NAME: 92FLCOM2040/WH	TYPE: 92FLCOM2040/WH	WEIGHT: 1
SPEC.:	DIM.: F 110 x 125	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circular	Shielding Angle:



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

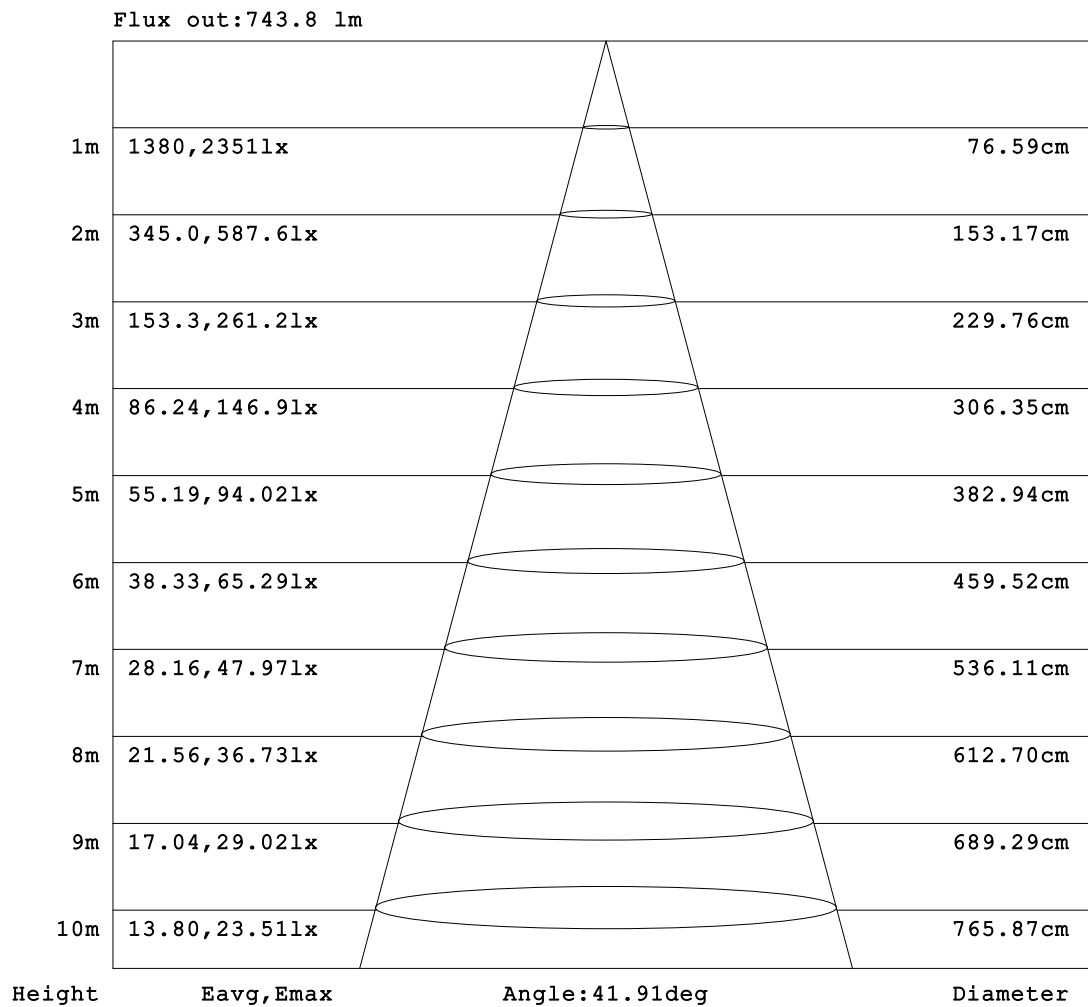


C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators:  
Test Date: 24 August 2022

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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/WH	TYPE: 92FLCOM2040/WH	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/WH	TYPE: 92FLCOM2040/WH	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	0.10	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
-85	0.10	0.09	0.08	0.09	0.11	0.11	0.11	0.14	0.17	0.17	0.18	0.20	0.22	0.21	0.21	0.23	0.24	0.23	0.22
-80	0.10	0.09	0.09	0.12	0.18	0.21	0.23	0.30	0.36	0.40	0.46	0.53	0.57	0.61	0.64	0.66	0.66	0.70	0.74
-75	0.10	0.10	0.11	0.18	0.26	0.33	0.40	0.57	0.68	1.18	1.90	2.45	2.88	3.33	3.72	3.98	4.17	4.30	4.36
-70	0.10	0.10	0.14	0.24	0.37	0.52	0.77	1.75	2.71	3.59	4.48	5.13	5.54	6.12	6.74	7.11	7.30	7.39	7.37
-65	0.10	0.11	0.18	0.32	0.51	0.93	2.37	3.64	4.66	5.63	6.81	7.74	8.45	9.16	9.83	10.2	10.5	10.8	10.9
-60	0.10	0.11	0.21	0.40	0.67	2.26	3.85	5.32	6.54	7.80	9.24	10.7	11.5	12.4	13.4	14.3	14.9	15.2	15.2
-55	0.10	0.12	0.26	0.52	1.61	3.38	5.19	6.97	8.49	10.1	11.9	13.4	14.9	16.6	18.2	19.5	20.5	21.2	21.6
-50	0.10	0.14	0.31	0.63	2.56	4.43	6.52	8.51	10.6	12.5	14.6	17.2	19.8	22.8	26.5	32.9	38.2	41.5	42.9
-45	0.10	0.14	0.36	1.06	3.33	5.49	7.79	10.2	12.6	15.1	18.3	22.3	28.3	39.5	55.7	75.1	92.8	103	106
-40	0.10	0.15	0.41	1.69	4.05	6.54	8.93	11.8	14.7	18.5	23.3	33.3	53.6	89.3	149	222	296	341	360
-35	0.10	0.16	0.46	2.25	4.76	7.50	10.2	13.2	17.1	22.2	32.5	57.2	113	231	371	487	555	595	613
-30	0.10	0.17	0.50	2.68	5.40	8.31	11.3	14.7	19.7	26.9	50.7	111	263	448	581	655	709	741	758
-25	0.10	0.17	0.54	3.01	5.96	9.03	12.3	16.2	22.3	35.0	83.1	225	444	608	702	800	903	972	1005
-20	0.10	0.18	0.57	3.28	6.42	9.65	13.1	17.6	24.9	48.8	138	361	579	699	837	999	1129	1225	1270
-15	0.10	0.18	0.60	3.48	6.78	10.1	13.8	19.3	28.7	64.4	211	471	652	795	988	1174	1355	1510	1582
-10	0.10	0.18	0.61	3.61	7.02	10.3	14.1	20.4	31.6	79.9	283	542	699	882	1105	1336	1593	1821	1941
-5	0.10	0.18	0.62	3.67	7.16	10.5	14.3	21.1	32.9	88.0	318	585	729	943	1178	1453	1782	2085	2249
0	0.10	0.18	0.62	3.67	7.18	10.4	14.3	21.3	32.9	89.0	325	600	740	964	1207	1506	1859	2193	2351
5	0.10	0.18	0.61	3.61	7.09	10.4	14.2	21.0	31.7	94.8	302	577	726	932	1169	1445	1753	2036	2162
10	0.10	0.17	0.60	3.49	6.89	10.1	14.0	20.2	29.6	88.0	253	523	694	867	1084	1296	1536	1742	1830
15	0.10	0.17	0.58	3.31	6.59	9.78	13.4	18.9	26.8	58.4	195	438	638	770	944	1127	1290	1419	1476
20	0.10	0.17	0.56	3.07	6.19	9.25	12.7	17.0	23.9	40.5	124	312	542	678	795	931	1064	1148	1180
25	0.10	0.17	0.52	2.77	5.69	8.60	11.9	15.6	21.6	29.2	71.7	172	384	569	668	753	835	888	902
30	0.10	0.16	0.48	2.42	5.10	7.96	10.9	14.1	18.6	24.1	38.3	86.2	201	372	524	615	664	691	694
35	0.10	0.16	0.42	2.00	4.40	7.24	9.79	12.6	15.7	20.3	26.0	40.6	72.6	155	284	399	477	524	534
40	0.10	0.15	0.36	1.49	3.60	6.33	8.66	11.1	13.5	16.4	20.3	25.6	36.3	54.3	90.5	137	199	237	245
45	0.10	0.15	0.31	0.95	2.92	5.28	7.55	9.55	11.6	13.6	15.9	19.1	22.9	27.1	34.8	43.3	52.6	57.8	58.5
50	0.10	0.14	0.27	0.58	2.23	4.03	6.18	8.05	9.79	11.6	13.2	14.8	16.9	19.1	20.7	22.5	24.4	25.5	25.8
55	0.10	0.13	0.22	0.46	1.40	2.89	4.57	6.37	8.00	9.44	10.8	12.1	13.4	14.6	15.4	16.2	16.7	16.8	16.7
60	0.10	0.13	0.17	0.34	0.59	1.88	2.91	4.41	5.95	7.33	8.63	9.50	10.3	11.1	11.9	12.5	13.1	13.4	13.6
65	0.10	0.12	0.16	0.26	0.44	0.76	1.71	2.53	3.57	4.84	6.00	7.14	8.05	8.66	8.88	9.18	9.46	9.58	9.60
70	0.10	0.12	0.15	0.18	0.30	0.45	0.59	1.22	1.88	2.37	2.86	3.81	4.71	5.42	5.96	6.38	6.69	6.89	6.97
75	0.10	0.11	0.14	0.15	0.18	0.29	0.39	0.47	0.53	0.81	1.12	1.41	1.76	2.01	2.22	2.45	2.64	2.72	2.74
80	0.10	0.11	0.13	0.13	0.14	0.17	0.21	0.25	0.28	0.33	0.38	0.40	0.43	0.47	0.50	0.51	0.50	0.52	0.53
85	0.10	0.10	0.11	0.11	0.11	0.12	0.14	0.13	0.13	0.15	0.16	0.16	0.15	0.16	0.18	0.17	0.16	0.17	0.18
90	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
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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/WH	TYPE: 92FLCOM2040/WH	WEIGHT: 1
SPEC.:	DIM.: F 110 x 125	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circular	Shielding Angle:

Table--2

UNIT: cd

H(DEC) V(DEC)	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	0.05	0.06	0.06	0.06	0.05	0.06	0.06	0.06	0.05	0.06	0.06	0.06	0.06	0.06	0.06	
-85	0.23	0.23	0.22	0.20	0.20	0.20	0.17	0.15	0.15	0.15	0.12	0.09	0.09	0.09	0.08	0.07	0.07	0.06	
-80	0.70	0.65	0.63	0.60	0.57	0.54	0.48	0.42	0.37	0.32	0.25	0.18	0.16	0.14	0.10	0.08	0.07	0.06	
-75	4.27	4.09	3.78	3.39	3.02	2.63	2.14	1.56	0.97	0.60	0.49	0.37	0.29	0.20	0.14	0.09	0.08	0.06	
-70	7.48	7.48	7.30	6.92	6.33	5.59	4.72	3.75	2.99	2.20	1.37	0.60	0.46	0.33	0.18	0.11	0.08	0.06	
-65	10.8	10.5	10.1	9.68	9.21	8.66	7.94	6.88	5.72	4.19	2.87	1.84	0.78	0.46	0.27	0.14	0.09	0.06	
-60	15.1	14.6	13.8	12.9	12.2	11.3	10.2	9.16	8.27	6.83	4.93	3.06	1.82	0.60	0.35	0.16	0.09	0.06	
-55	21.3	20.6	19.3	17.5	16.0	14.4	12.8	11.3	9.99	8.77	7.15	4.90	2.80	1.32	0.46	0.21	0.10	0.06	
-50	41.5	38.1	32.7	25.8	21.4	18.4	16.1	13.8	12.0	10.2	8.76	6.77	4.03	2.05	0.55	0.26	0.11	0.06	
-45	99.8	88.2	70.8	53.9	39.8	26.2	20.3	17.1	14.1	12.0	9.96	8.22	5.53	2.72	0.88	0.30	0.12	0.06	
-40	340	294	221	141	79.9	49.9	31.5	20.9	16.9	13.8	11.2	9.14	6.81	3.39	1.34	0.35	0.12	0.06	
-35	595	553	481	363	224	97.4	51.0	30.4	19.8	15.8	12.6	9.99	7.89	4.34	1.76	0.40	0.13	0.06	
-30	740	707	653	575	435	248	92.4	45.6	23.9	17.9	14.0	10.8	8.53	5.16	2.11	0.45	0.14	0.06	
-25	976	903	793	693	596	424	221	74.3	33.4	19.8	15.4	11.7	9.10	5.88	2.42	0.49	0.14	0.06	
-20	1243	1157	1009	815	680	560	335	133	43.4	21.7	16.5	12.4	9.52	6.47	2.68	0.52	0.14	0.06	
-15	1544	1403	1223	992	774	633	443	186	58.0	25.8	17.4	13.1	9.88	6.92	2.88	0.55	0.15	0.06	
-10	1876	1679	1417	1156	869	681	512	254	66.0	29.3	18.0	13.5	10.2	7.22	3.03	0.57	0.15	0.06	
-5	2163	1900	1560	1249	942	707	551	284	84.0	31.5	18.4	13.8	10.3	7.37	3.11	0.58	0.15	0.06	
0	2247	1959	1595	1265	950	711	559	289	99.6	32.2	18.6	13.8	10.4	7.40	3.14	0.59	0.15	0.06	
5	2066	1809	1499	1198	905	686	533	268	82.3	31.1	18.1	13.6	10.3	7.25	3.10	0.58	0.15	0.06	
10	1765	1575	1333	1077	822	647	483	221	63.6	28.5	17.4	13.2	10.1	6.98	2.99	0.57	0.15	0.06	
15	1437	1316	1134	912	727	589	408	152	53.3	24.7	16.4	12.7	9.77	6.60	2.81	0.54	0.14	0.06	
20	1154	1059	903	752	631	504	284	98.0	41.8	20.5	15.4	12.1	9.27	6.12	2.56	0.51	0.14	0.06	
25	880	815	717	629	535	361	152	59.4	29.2	18.3	14.4	11.5	8.69	5.55	2.22	0.47	0.14	0.06	
30	679	640	585	499	355	182	70.7	38.6	21.2	16.4	13.3	10.7	7.98	4.89	1.82	0.42	0.14	0.06	
35	516	464	388	267	141	66.9	40.4	24.2	17.7	14.7	12.3	9.71	7.19	4.12	1.40	0.36	0.13	0.06	
40	233	190	126	82.7	51.2	35.3	23.6	18.0	15.4	13.2	10.9	8.71	6.21	3.23	1.08	0.30	0.13	0.06	
45	56.7	51.1	42.3	34.3	26.0	20.1	17.3	15.3	13.5	11.6	9.51	7.52	5.06	2.42	0.75	0.26	0.12	0.06	
50	25.5	24.1	21.7	19.1	17.3	15.9	14.5	13.1	11.5	9.74	8.04	6.05	3.71	1.55	0.51	0.22	0.12	0.06	
55	16.6	16.2	15.6	14.8	13.9	13.1	12.0	10.7	9.40	8.00	6.28	4.35	2.40	1.00	0.39	0.19	0.11	0.06	
60	13.3	12.9	12.3	11.7	11.0	10.1	9.37	8.48	7.30	5.84	4.23	2.59	1.25	0.52	0.28	0.15	0.11	0.06	
65	9.47	9.26	9.07	8.68	8.06	7.43	6.81	5.87	4.70	3.44	2.20	1.14	0.62	0.37	0.22	0.14	0.10	0.06	
70	6.70	6.35	6.01	5.57	5.05	4.46	3.81	3.01	2.12	1.23	0.85	0.52	0.38	0.25	0.15	0.13	0.10	0.06	
75	2.73	2.63	2.47	2.20	1.76	1.27	0.94	0.82	0.63	0.47	0.41	0.33	0.24	0.14	0.13	0.12	0.09	0.06	
80	0.52	0.49	0.48	0.46	0.42	0.38	0.36	0.33	0.29	0.24	0.21	0.18	0.14	0.11	0.11	0.11	0.09	0.06	
85	0.17	0.16	0.16	0.17	0.16	0.14	0.14	0.15	0.13	0.11	0.12	0.12	0.10	0.09	0.10	0.10	0.08	0.06	
90	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.08	0.06	

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: