

# Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1593.9 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	78.8V x 78.9H
	At 50% of Imax	38.0V x 38.4H
	At 90% of Imax	12.0V x 12.2H

Beam Flux	Total	910.8 lumens per klm.
	To 10% of Imax	860.5 lumens per klm.
	To 50% of Imax	383.8 lumens per klm.
	To 90% of Imax	53.4 lumens per klm.

Upward LOR	0.0 %
Downward LOR	91.1 %

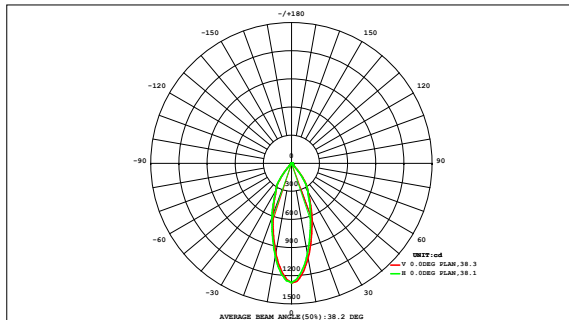
Luminaire Efficiency (Light Output Ratio)	90.9 %
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C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators:  
Test Date: 24 August 2022

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: 92FLCOM1040/WH	TYPE: 92FLCOM1040/WH	WEIGHT: 1
SPEC.:	DIM.: F 90 x 90	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circular	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	92FLCOM1040/WH	Imax (cd)	1275
NOMINAL POWER (W)		AVAILABILITY (%)	85.3
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	682.6
NOMINAL FLUX (lm)	800	LOR (%)	90.9
LAMPS INSIDE	1	TOTAL FLUX (lm)	727.5
TEST VOLTAGE (V)	230	θ @50% (H,V)	38,38DEG

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	0.02	0.00
90	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.03	0.03	0.03	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.23	0.00
80	0.00	0.00	0.01	0.02	0.05	0.08	0.10	0.11	0.12	0.12	0.11	0.09	0.07	0.05	0.02	0.01	0.00	0.00	0.97	0.00
70	0.00	0.00	0.02	0.05	0.09	0.13	0.17	0.20	0.22	0.22	0.20	0.16	0.12	0.09	0.05	0.02	0.00	0.00	1.76	0.00
60	0.00	0.01	0.03	0.07	0.13	0.20	0.34	0.64	0.99	0.96	0.58	0.31	0.19	0.12	0.07	0.03	0.00	0.00	4.70	0.00
50	0.00	0.01	0.04	0.09	0.17	0.47	2.19	5.33	7.14	7.00	4.88	1.79	0.39	0.17	0.09	0.04	0.01	0.00	29.8	23.6
40	0.00	0.01	0.05	0.11	0.27	2.05	7.13	11.0	13.7	13.4	10.5	6.50	1.60	0.24	0.11	0.05	0.01	0.00	66.7	63.4
30	0.00	0.01	0.06	0.13	0.52	4.75	10.5	17.6	23.4	22.7	16.4	9.79	4.08	0.41	0.12	0.06	0.01	0.00	111	108
20	0.00	0.02	0.06	0.14	0.85	6.27	12.9	23.2	33.6	32.4	21.4	11.9	5.62	0.64	0.13	0.06	0.01	0.00	149	147
10	0.00	0.02	0.06	0.14	0.87	6.31	12.9	22.7	32.8	32.1	21.3	12.0	5.69	0.66	0.14	0.06	0.01	0.00	148	145
0	0.00	0.01	0.06	0.13	0.54	4.83	10.5	17.1	22.6	22.1	16.2	10.0	4.22	0.45	0.13	0.06	0.01	0.00	109	106
-10	0.00	0.01	0.05	0.12	0.29	2.13	7.26	11.1	13.6	13.4	10.8	6.88	1.74	0.26	0.11	0.05	0.01	0.00	67.9	64.5
-20	0.00	0.01	0.04	0.10	0.18	0.49	2.30	5.49	7.35	7.27	5.21	1.97	0.43	0.17	0.09	0.04	0.01	0.00	31.1	24.8
-30	0.00	0.01	0.03	0.08	0.13	0.21	0.36	0.67	1.03	1.00	0.62	0.33	0.20	0.13	0.07	0.03	0.00	0.00	4.92	0.00
-40	0.00	0.00	0.02	0.05	0.09	0.14	0.17	0.20	0.22	0.22	0.20	0.17	0.13	0.09	0.05	0.02	0.00	0.00	1.78	0.00
-50	0.00	0.00	0.01	0.03	0.05	0.08	0.10	0.11	0.12	0.12	0.11	0.09	0.07	0.05	0.02	0.01	0.00	0.00	0.98	0.00
-60	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.03	0.03	0.03	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.21	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	0.02	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	0.12	0.55	1.28	4.27	28.2	66.9	115	157	153	109	62.0	24.6	3.55	1.23	0.52	0.11	0.00	728	---
Φ a	0.00	0.00	0.00	0.00	0.00	22.8	63.0	112	153	150	105	58.0	18.6	0.00	0.00	0.00	0.00	0.00	---	683

one-half-peak spread: U:18.9,D:19.5 , L:20.2,R:18.5

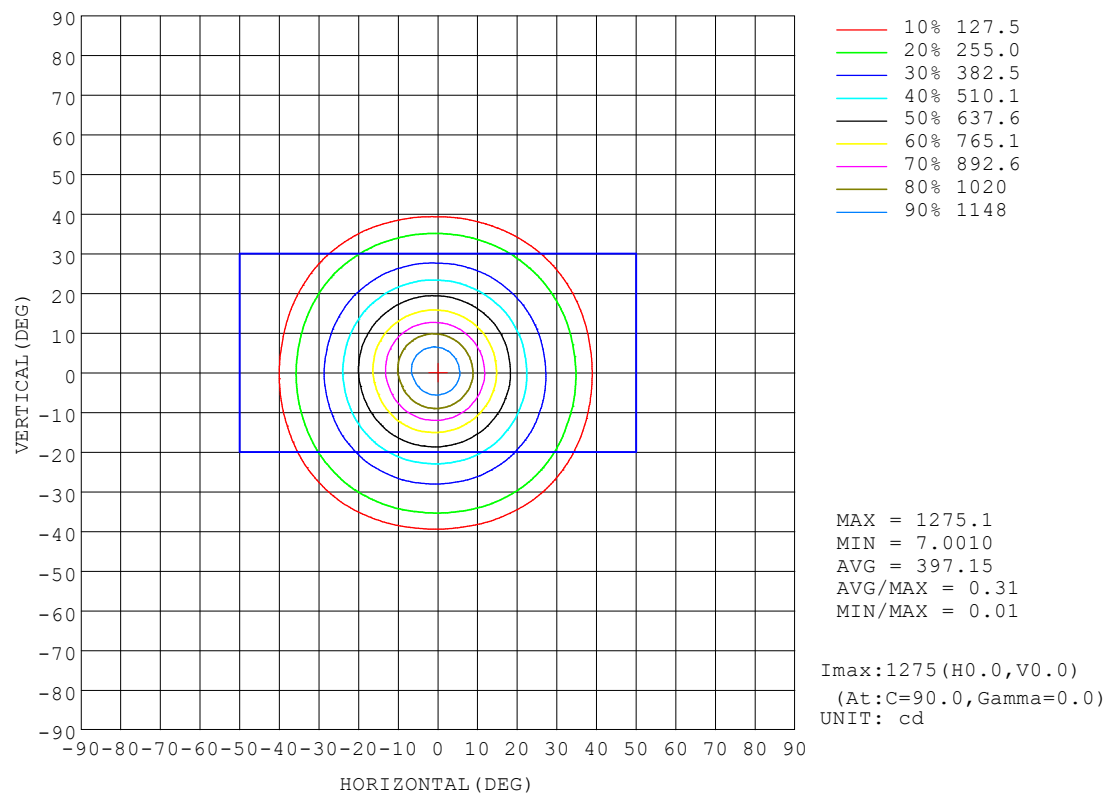
NEMA Beam Type: Type 5

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: 92FLCOM1040/WH	TYPE: 92FLCOM1040/WH	WEIGHT: 1
SPEC.:	DIM.: F 90 x 90	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circular	Shielding Angle:

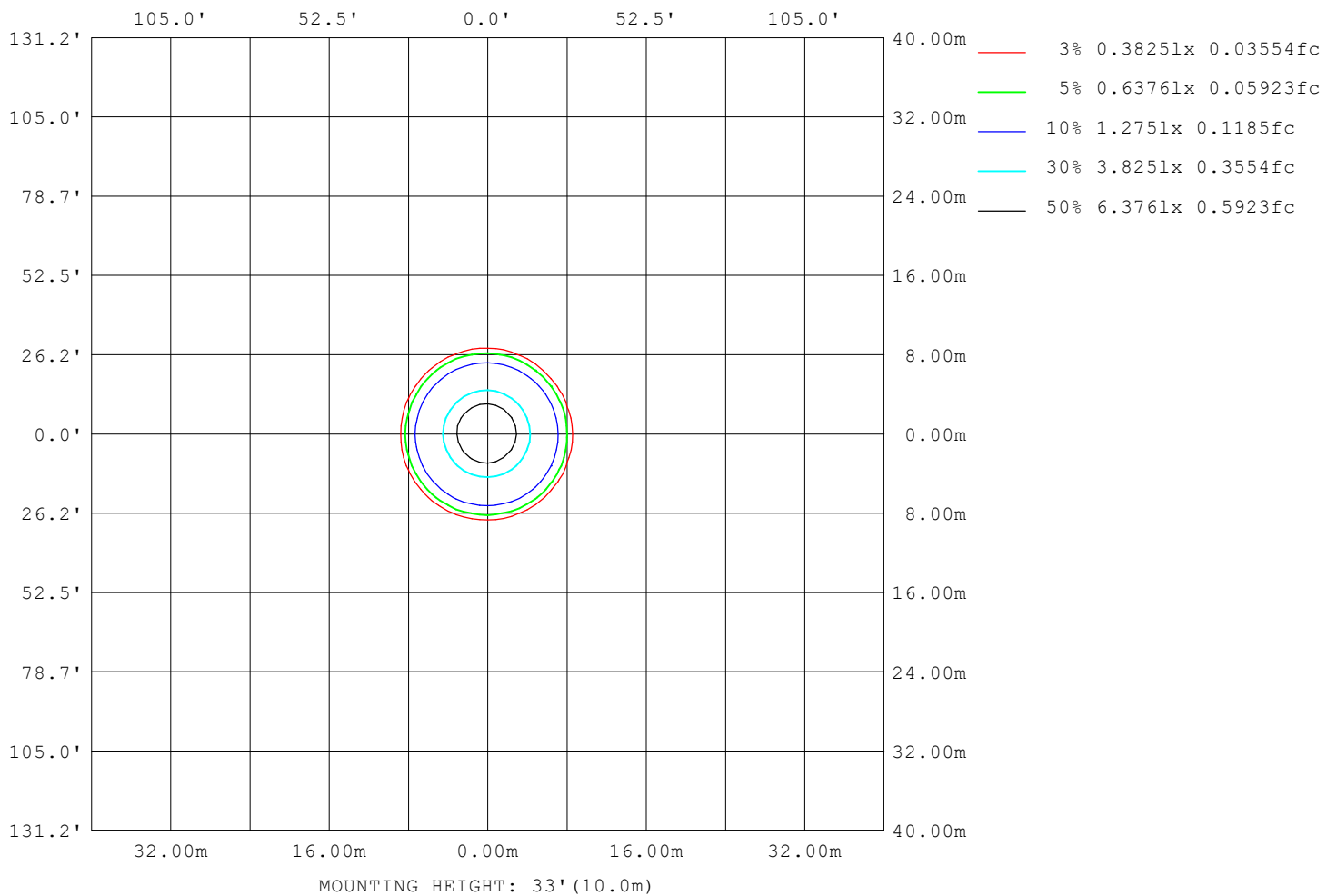


C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:  
 Test Date:24 August 2022

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

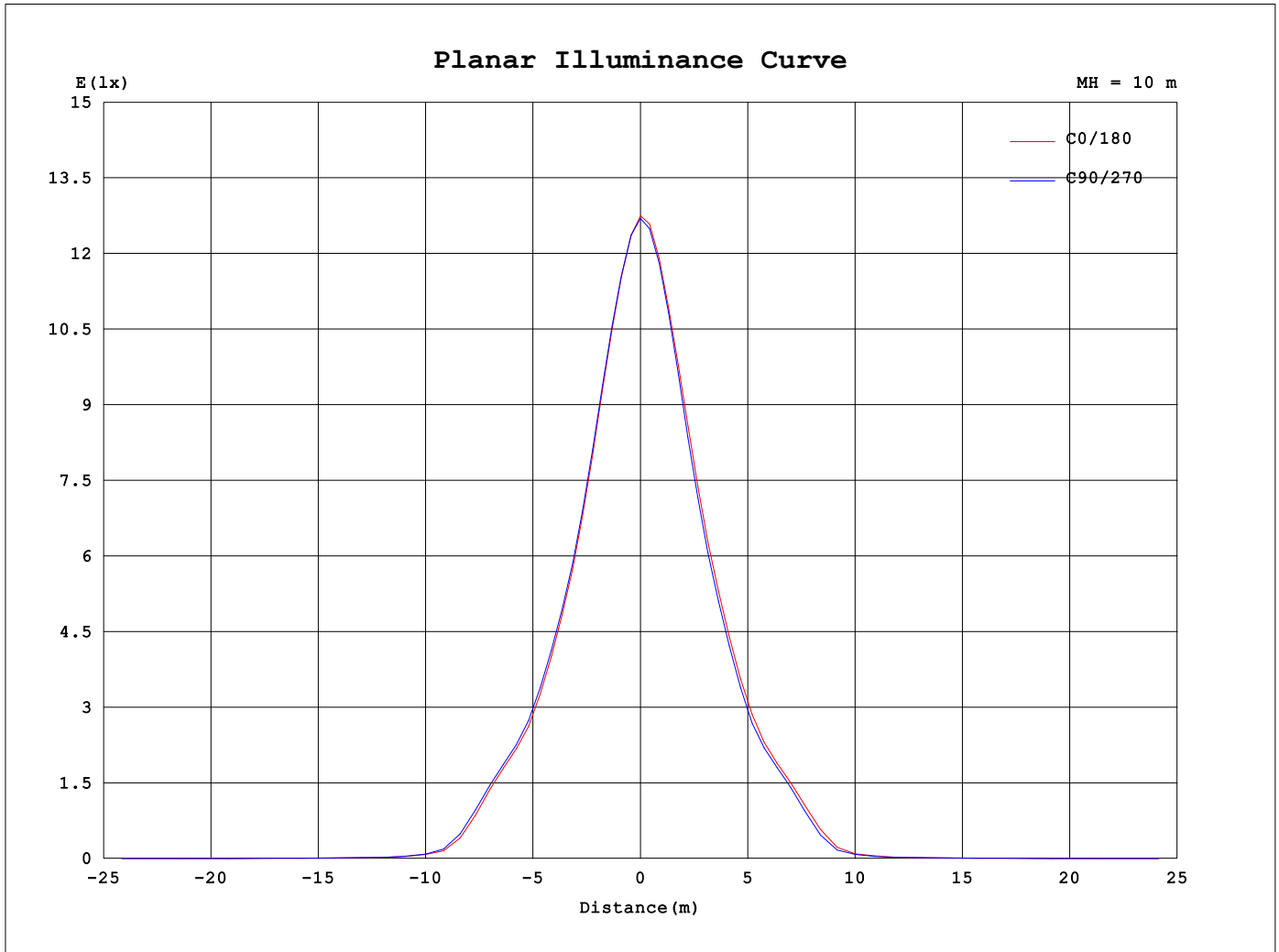
NAME: 92FLCOM1040/WH	TYPE: 92FLCOM1040/WH	WEIGHT: 1
SPEC.:	DIM.: F 90 x 90	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circular	Shielding Angle:



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

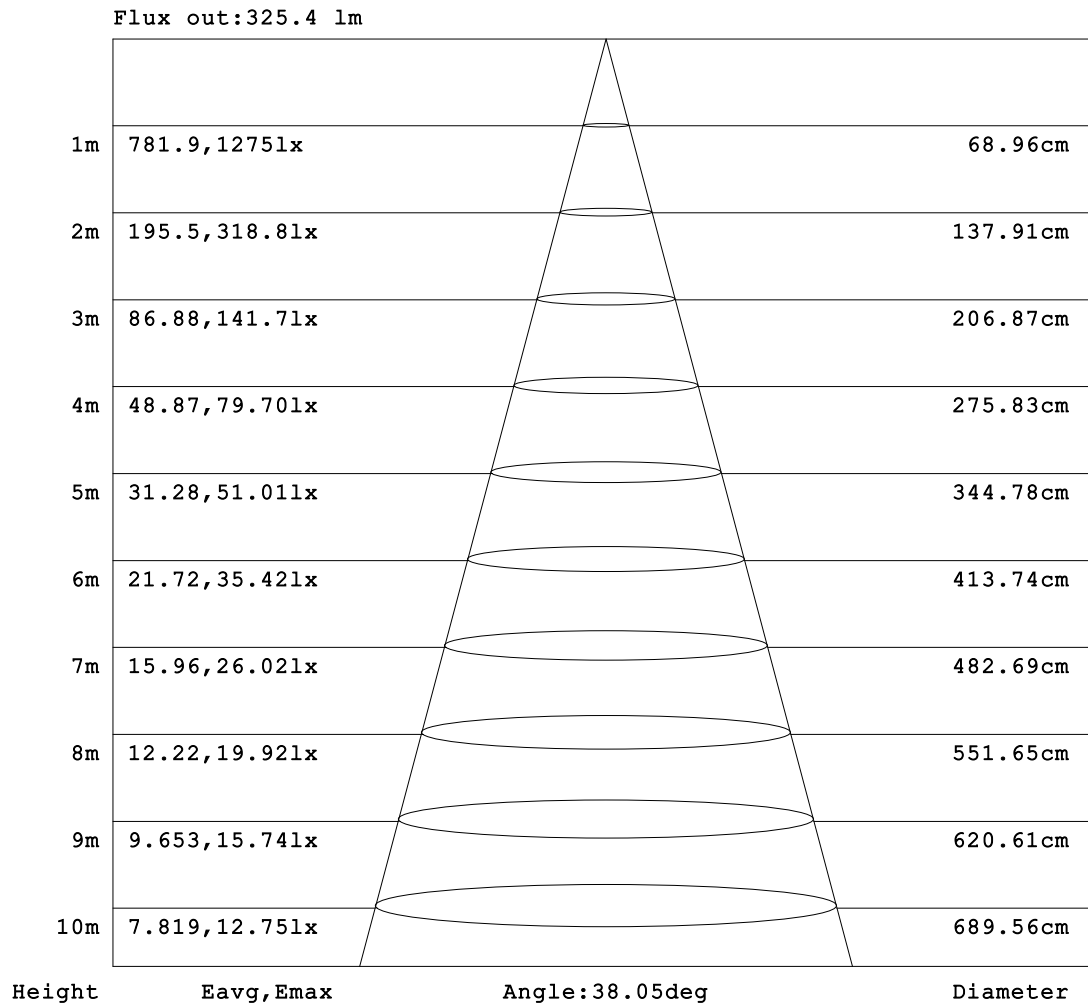


C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3°C  
 Operators:  
 Test Date: 24 August 2022

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: 92FLCOM1040/WH	TYPE: 92FLCOM1040/WH	WEIGHT: 1
SPEC.:	DIM.: F 90 x 90	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: 92FLCOM1040/WH	TYPE: 92FLCOM1040/WH	WEIGHT: 1
SPEC.:	DIM.: F 90 x 90	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	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.01
-85	0.04	0.03	0.02	0.03	0.04	0.03	0.02	0.03	0.04	0.03	0.03	0.04	0.05	0.04	0.03	0.04	0.05	0.04	0.02
-80	0.04	0.03	0.02	0.04	0.06	0.06	0.05	0.08	0.11	0.10	0.10	0.13	0.16	0.16	0.15	0.17	0.18	0.17	0.17
-75	0.04	0.03	0.03	0.06	0.09	0.13	0.16	0.21	0.26	0.30	0.33	0.37	0.45	0.51	0.52	0.54	0.55	0.61	0.67
-70	0.04	0.03	0.04	0.08	0.17	0.24	0.31	0.52	0.66	1.18	1.45	1.75	2.08	2.27	2.37	2.47	2.53	2.55	2.52
-65	0.04	0.04	0.05	0.14	0.25	0.40	0.78	1.49	2.12	2.53	2.92	3.22	3.48	3.72	3.86	3.93	3.99	4.06	4.09
-60	0.04	0.04	0.07	0.19	0.35	0.78	1.73	2.41	2.98	3.53	3.98	4.41	4.71	4.90	5.01	5.13	5.19	5.26	5.29
-55	0.04	0.04	0.10	0.26	0.62	1.50	2.38	3.13	3.80	4.42	4.96	5.39	5.84	6.28	6.59	6.81	6.94	7.06	7.10
-50	0.04	0.05	0.14	0.33	0.95	2.11	2.96	3.82	4.59	5.26	5.96	6.75	7.49	8.16	8.79	9.43	10.0	10.4	10.5
-45	0.04	0.05	0.17	0.47	1.51	2.52	3.55	4.47	5.28	6.12	7.23	8.32	9.73	11.2	14.5	18.0	22.0	24.2	25.0
-40	0.04	0.06	0.21	0.66	1.99	3.00	4.10	5.02	5.94	7.12	8.62	10.7	15.4	23.1	37.2	57.1	87.8	104	110
-35	0.04	0.06	0.24	0.83	2.26	3.45	4.54	5.48	6.68	8.21	10.6	16.6	29.4	66.6	132	196	236	258	267
-30	0.04	0.07	0.27	1.08	2.50	3.82	4.89	5.94	7.44	9.61	15.1	29.2	84.4	181	258	302	331	345	349
-25	0.04	0.07	0.30	1.35	2.76	4.14	5.17	6.49	8.23	11.1	23.0	68.0	182	275	329	373	416	446	455
-20	0.04	0.08	0.33	1.58	2.98	4.33	5.45	6.96	9.09	15.1	38.7	138	259	327	393	473	541	584	597
-15	0.04	0.08	0.34	1.77	3.14	4.45	5.69	7.38	9.93	19.5	61.7	202	302	376	476	583	678	750	768
-10	0.04	0.08	0.36	1.91	3.24	4.53	5.85	7.63	10.5	23.9	98.3	243	330	423	554	686	829	943	980
-5	0.04	0.08	0.37	2.00	3.28	4.56	5.94	7.75	10.8	26.3	121	266	347	462	610	772	957	1111	1170
0	0.04	0.08	0.37	2.04	3.28	4.54	5.95	7.75	10.8	27.0	128	274	355	479	640	819	1025	1204	1275
5	0.04	0.08	0.37	2.00	3.28	4.54	5.92	7.69	10.7	25.9	118	264	346	464	622	795	986	1142	1195
10	0.04	0.09	0.36	1.90	3.24	4.49	5.81	7.52	10.2	23.2	95.0	239	328	425	566	711	859	977	1007
15	0.04	0.08	0.35	1.76	3.15	4.39	5.64	7.23	9.55	19.0	60.3	200	299	373	482	601	701	775	793
20	0.04	0.08	0.34	1.57	3.02	4.24	5.39	6.82	8.71	14.6	37.7	132	254	324	390	477	556	606	616
25	0.04	0.08	0.32	1.34	2.83	4.01	5.08	6.36	7.96	10.5	22.2	63.7	178	271	320	367	413	450	457
30	0.04	0.08	0.29	1.06	2.58	3.74	4.75	5.83	7.26	9.06	14.3	27.9	81.6	176	251	293	319	334	338
35	0.04	0.08	0.26	0.82	2.28	3.41	4.36	5.29	6.55	7.95	9.86	15.7	27.6	61.4	129	191	229	252	257
40	0.04	0.07	0.23	0.66	1.96	2.99	3.92	4.79	5.80	6.97	8.27	9.89	14.3	21.8	35.3	53.4	85.0	103	105
45	0.04	0.07	0.20	0.49	1.47	2.51	3.46	4.28	5.00	5.97	7.02	7.96	9.04	10.4	14.1	17.3	21.2	23.3	23.7
50	0.04	0.07	0.17	0.36	0.92	2.04	2.90	3.71	4.38	4.98	5.75	6.48	7.20	7.90	8.52	9.12	9.60	9.81	9.78
55	0.04	0.06	0.14	0.29	0.61	1.44	2.29	3.04	3.70	4.25	4.68	5.14	5.67	6.15	6.49	6.82	7.10	7.23	7.21
60	0.04	0.06	0.10	0.21	0.35	0.76	1.62	2.29	2.87	3.41	3.80	4.12	4.48	4.73	4.91	5.10	5.25	5.31	5.29
65	0.04	0.05	0.09	0.16	0.25	0.40	0.73	1.40	2.02	2.37	2.73	3.05	3.38	3.61	3.73	3.89	4.03	4.05	4.00
70	0.04	0.05	0.08	0.10	0.16	0.24	0.34	0.52	0.68	1.14	1.27	1.63	2.06	2.29	2.40	2.55	2.69	2.71	2.68
75	0.04	0.05	0.07	0.08	0.08	0.14	0.19	0.23	0.25	0.32	0.38	0.40	0.48	0.55	0.56	0.61	0.67	0.69	0.68
80	0.04	0.05	0.06	0.06	0.05	0.07	0.09	0.10	0.10	0.12	0.14	0.15	0.15	0.17	0.18	0.18	0.17	0.18	0.19
85	0.04	0.04	0.05	0.05	0.04	0.05	0.06	0.05	0.04	0.05	0.06	0.05	0.04	0.05	0.06	0.05	0.04	0.05	0.07
90	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

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: 92FLCOM1040/WH	TYPE: 92FLCOM1040/WH	WEIGHT: 1
SPEC.:	DIM.: F 90 x 90	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	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
-85	0.04	0.05	0.04	0.02	0.04	0.05	0.03	0.02	0.03	0.04	0.03	0.02	0.03	0.03	0.02	0.02	0.02	0.02	
-80	0.17	0.17	0.17	0.15	0.16	0.16	0.13	0.09	0.09	0.10	0.07	0.04	0.05	0.05	0.03	0.02	0.02	0.02	
-75	0.63	0.57	0.55	0.52	0.51	0.47	0.40	0.35	0.31	0.26	0.19	0.12	0.10	0.08	0.05	0.02	0.03	0.02	
-70	2.53	2.48	2.38	2.24	2.10	1.88	1.54	1.22	1.08	0.60	0.41	0.29	0.20	0.13	0.06	0.03	0.03	0.02	
-65	4.06	3.97	3.82	3.64	3.43	3.18	2.95	2.66	2.33	1.96	1.31	0.50	0.36	0.21	0.10	0.04	0.03	0.02	
-60	5.33	5.27	5.11	4.92	4.70	4.44	4.12	3.67	3.22	2.73	2.24	1.56	0.52	0.33	0.14	0.06	0.03	0.02	
-55	7.03	6.88	6.64	6.29	5.90	5.54	5.19	4.75	4.20	3.51	2.87	2.25	1.33	0.45	0.22	0.08	0.04	0.02	
-50	10.2	9.70	9.02	8.33	7.71	7.08	6.38	5.68	5.07	4.37	3.54	2.77	2.02	0.65	0.31	0.11	0.05	0.02	
-45	24.0	21.2	16.7	13.1	10.4	9.04	7.90	6.84	5.85	5.08	4.23	3.30	2.42	1.30	0.39	0.13	0.05	0.02	
-40	100.0	80.8	50.1	32.6	20.7	13.2	9.89	8.19	6.83	5.72	4.80	3.83	2.83	1.83	0.47	0.16	0.05	0.02	
-35	256	230	183	114	54.1	26.4	14.0	9.92	7.92	6.45	5.27	4.32	3.22	2.11	0.54	0.20	0.06	0.02	
-30	342	328	298	249	160	67.5	26.3	13.2	9.10	7.22	5.77	4.72	3.59	2.36	0.78	0.24	0.06	0.02	
-25	440	407	363	322	265	156	52.7	20.7	10.5	7.98	6.30	5.03	3.91	2.60	1.08	0.28	0.07	0.02	
-20	576	526	453	376	319	241	108	31.9	13.0	8.74	6.80	5.32	4.16	2.81	1.32	0.31	0.07	0.02	
-15	730	649	554	450	360	289	172	46.2	16.7	9.53	7.26	5.55	4.33	2.97	1.51	0.33	0.07	0.02	
-10	920	789	646	517	397	316	215	72.6	21.0	10.1	7.49	5.70	4.45	3.08	1.64	0.35	0.08	0.02	
-5	1091	917	723	566	430	332	243	87.9	23.1	10.3	7.58	5.79	4.51	3.14	1.72	0.36	0.08	0.02	
0	1168	973	756	583	438	336	251	91.8	23.3	10.3	7.55	5.81	4.51	3.16	1.75	0.37	0.08	0.02	
5	1098	922	731	566	424	327	239	85.7	22.0	10.0	7.42	5.74	4.47	3.14	1.72	0.37	0.08	0.02	
10	939	806	659	517	392	311	210	69.2	19.2	9.51	7.18	5.59	4.38	3.07	1.64	0.36	0.08	0.02	
15	753	668	561	445	350	282	163	42.7	15.4	8.91	6.85	5.40	4.24	2.96	1.51	0.34	0.08	0.02	
20	591	530	448	365	308	229	101	28.7	12.2	8.28	6.48	5.15	4.06	2.80	1.32	0.32	0.08	0.02	
25	441	399	353	308	250	144	46.5	18.6	9.75	7.66	6.07	4.86	3.83	2.59	1.07	0.29	0.08	0.02	
30	332	314	284	231	146	61.4	23.4	12.2	8.65	7.00	5.56	4.54	3.54	2.35	0.77	0.26	0.07	0.02	
35	247	217	169	106	47.9	23.5	13.2	9.30	7.72	6.28	5.07	4.17	3.20	2.10	0.53	0.22	0.07	0.02	
40	97.6	76.4	45.6	30.0	19.1	12.4	9.30	7.95	6.71	5.52	4.61	3.77	2.79	1.81	0.47	0.17	0.07	0.02	
45	23.0	20.4	16.4	12.8	9.79	8.62	7.66	6.67	5.64	4.83	4.13	3.29	2.36	1.26	0.40	0.15	0.06	0.02	
50	9.80	9.53	8.97	8.28	7.61	6.92	6.17	5.41	4.73	4.20	3.57	2.76	1.91	0.64	0.33	0.13	0.06	0.02	
55	7.27	7.16	6.83	6.43	5.92	5.39	4.88	4.41	3.95	3.49	2.92	2.21	1.26	0.45	0.24	0.11	0.05	0.02	
60	5.39	5.37	5.17	4.88	4.55	4.21	3.89	3.56	3.15	2.71	2.24	1.51	0.52	0.33	0.15	0.09	0.05	0.02	
65	4.03	4.02	3.91	3.73	3.47	3.20	2.92	2.61	2.27	1.93	1.29	0.51	0.36	0.20	0.12	0.08	0.05	0.02	
70	2.74	2.75	2.66	2.49	2.26	1.98	1.58	1.24	1.09	0.61	0.43	0.32	0.20	0.11	0.08	0.07	0.04	0.02	
75	0.65	0.61	0.60	0.57	0.53	0.46	0.40	0.38	0.32	0.25	0.21	0.15	0.11	0.06	0.06	0.06	0.04	0.02	
80	0.18	0.16	0.17	0.17	0.16	0.15	0.14	0.12	0.10	0.08	0.08	0.08	0.06	0.04	0.05	0.05	0.04	0.02	
85	0.05	0.04	0.05	0.06	0.05	0.04	0.05	0.06	0.05	0.04	0.04	0.05	0.04	0.03	0.04	0.04	0.03	0.02	
90	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.02	

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: