

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1612.0 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	78.3V x 78.5H
	At 50% of Imax	37.8V x 38.2H
	At 90% of Imax	11.6V x 12.0H

Beam Flux	Total	904.9 lumens per klm.
	To 10% of Imax	856.6 lumens per klm.
	To 50% of Imax	410.4 lumens per klm.
	To 90% of Imax	46.5 lumens per klm.

Upward LOR	0.0 %
Downward LOR	90.5 %

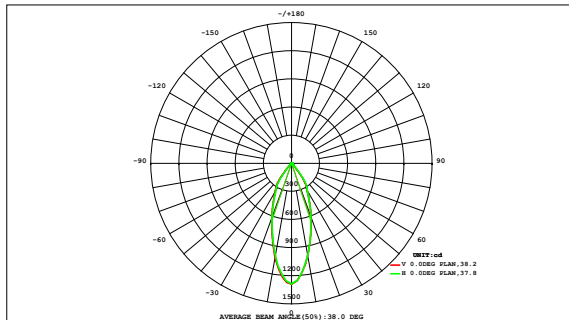
Luminaire Efficiency (Light Output Ratio)	90.3 %
---	--------

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/BL	TYPE: 92FLCOM1040/BL	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/BL	Imax (cd)	1290
NOMINAL POWER (W)		AVAILABILITY (%)	85.1
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	681.1
NOMINAL FLUX (lm)	800	LOR (%)	90.3
LAMPS INSIDE	1	TOTAL FLUX (lm)	722.7
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	0.01	0.00
90	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.03	0.03	0.03	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.21	0.00
80	0.00	0.00	0.00	0.02	0.04	0.06	0.08	0.10	0.11	0.11	0.10	0.09	0.07	0.04	0.02	0.00	0.00	0.00	0.82	0.00
70	0.00	0.00	0.01	0.04	0.07	0.10	0.14	0.17	0.19	0.19	0.17	0.14	0.10	0.07	0.04	0.01	0.00	0.00	1.46	0.00
60	0.00	0.00	0.03	0.06	0.10	0.17	0.27	0.49	0.80	0.82	0.51	0.27	0.16	0.10	0.06	0.02	0.00	0.00	3.88	0.00
50	0.00	0.01	0.03	0.08	0.15	0.35	1.68	4.66	6.73	6.83	4.96	1.89	0.38	0.14	0.07	0.03	0.00	0.00	28.0	21.9
40	0.00	0.01	0.04	0.09	0.22	1.54	6.42	10.6	13.5	13.5	10.8	6.93	1.82	0.23	0.09	0.04	0.01	0.00	65.8	62.5
30	0.00	0.01	0.04	0.11	0.38	4.03	9.92	16.9	23.0	22.9	16.9	10.3	4.58	0.44	0.10	0.04	0.01	0.00	110	107
20	0.00	0.01	0.05	0.11	0.61	5.59	12.3	22.3	32.9	33.2	22.5	12.5	6.14	0.74	0.12	0.05	0.01	0.00	149	147
10	0.00	0.01	0.05	0.11	0.62	5.64	12.2	22.1	32.7	33.1	22.6	12.7	6.21	0.77	0.12	0.05	0.01	0.00	149	147
0	0.00	0.01	0.04	0.11	0.40	4.21	10.0	16.7	22.7	22.9	17.1	10.4	4.71	0.48	0.11	0.05	0.01	0.00	110	108
-10	0.00	0.01	0.04	0.09	0.23	1.73	6.80	10.7	13.4	13.5	10.9	7.20	2.01	0.25	0.10	0.04	0.01	0.00	67.0	63.9
-20	0.00	0.01	0.03	0.07	0.15	0.38	1.96	5.17	7.19	7.31	5.43	2.16	0.42	0.16	0.08	0.04	0.01	0.00	30.6	24.6
-30	0.00	0.00	0.03	0.06	0.11	0.17	0.29	0.57	0.96	0.98	0.60	0.31	0.17	0.11	0.06	0.03	0.00	0.00	4.46	0.00
-40	0.00	0.00	0.01	0.04	0.07	0.11	0.15	0.18	0.20	0.20	0.18	0.15	0.11	0.08	0.05	0.01	0.00	0.00	1.54	0.00
-50	0.00	0.00	0.00	0.02	0.05	0.07	0.09	0.10	0.11	0.11	0.10	0.09	0.07	0.05	0.02	0.00	0.00	0.00	0.89	0.00
-60	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.04	0.04	0.04	0.04	0.03	0.02	0.01	0.00	0.00	0.00	0.00	0.26	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	0.00	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
	-90	-80	-70	-60	-50	-40	-30	-20	HORIZONTAL (DEG)	20	30	40	50	60	70	80	90			
Φ t	0.00	0.08	0.41	1.02	3.21	24.2	62.4	111	155	156	113	65.2	27.0	3.66	1.04	0.42	0.07	0.00	723	---
Φ a	0.00	0.00	0.00	0.00	0.00	18.5	58.5	108	151	152	110	61.6	21.7	0.00	0.00	0.00	0.00	0.00	---	681

one-half-peak spread: U:19.0,D:19.2 , L:19.2,R:19.4

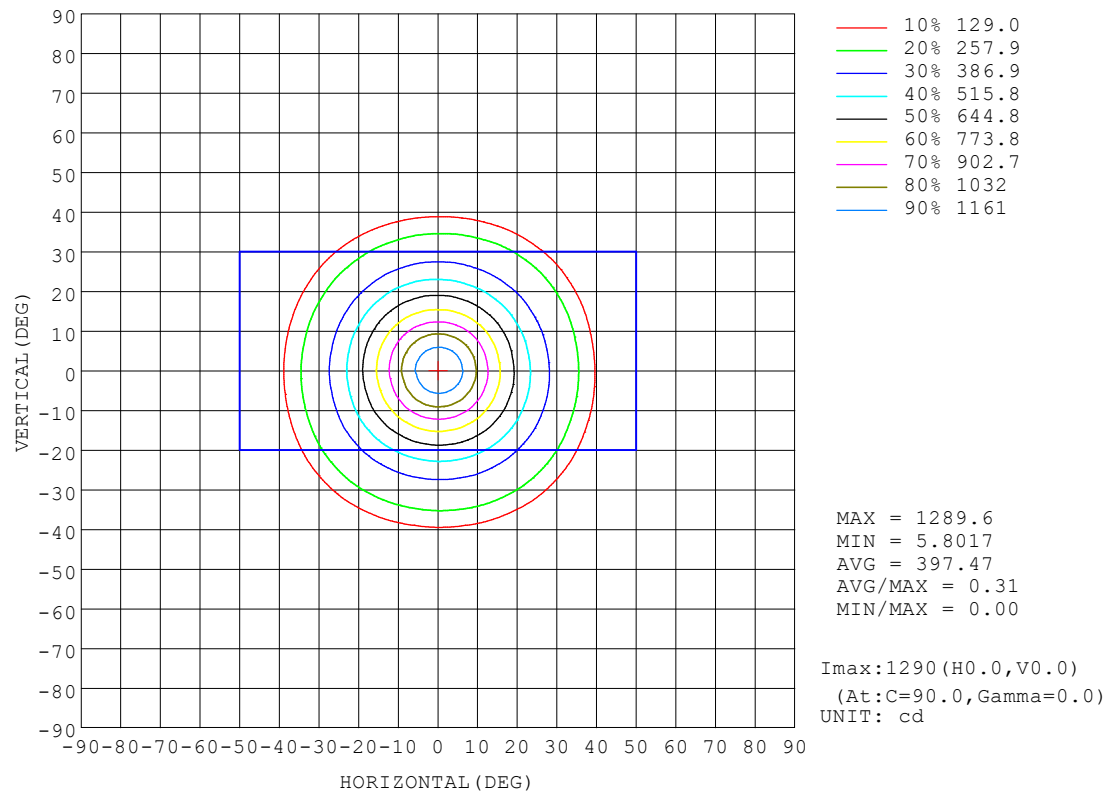
NEMA Beam Type: Type 5

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

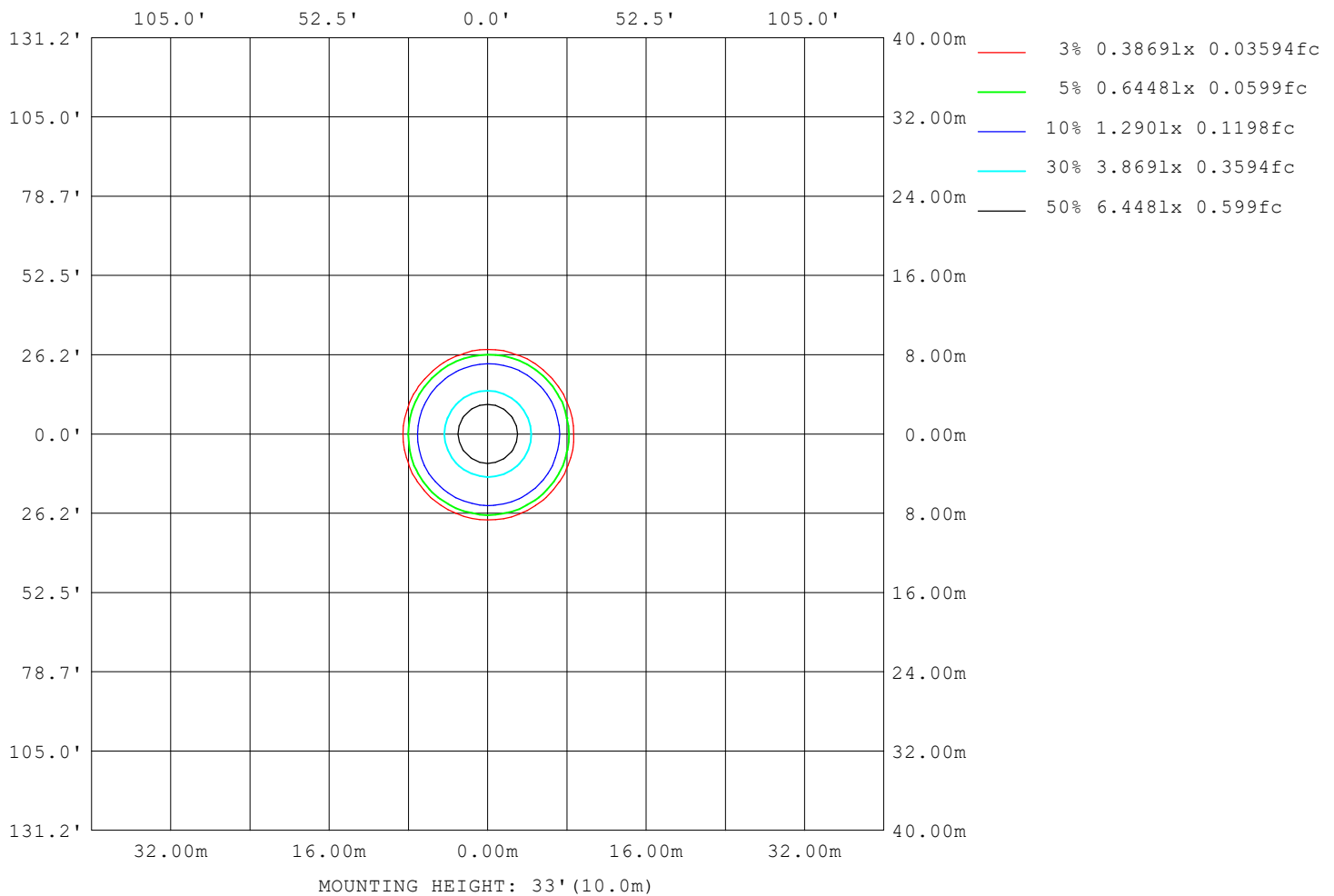


C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:24 August 2022

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

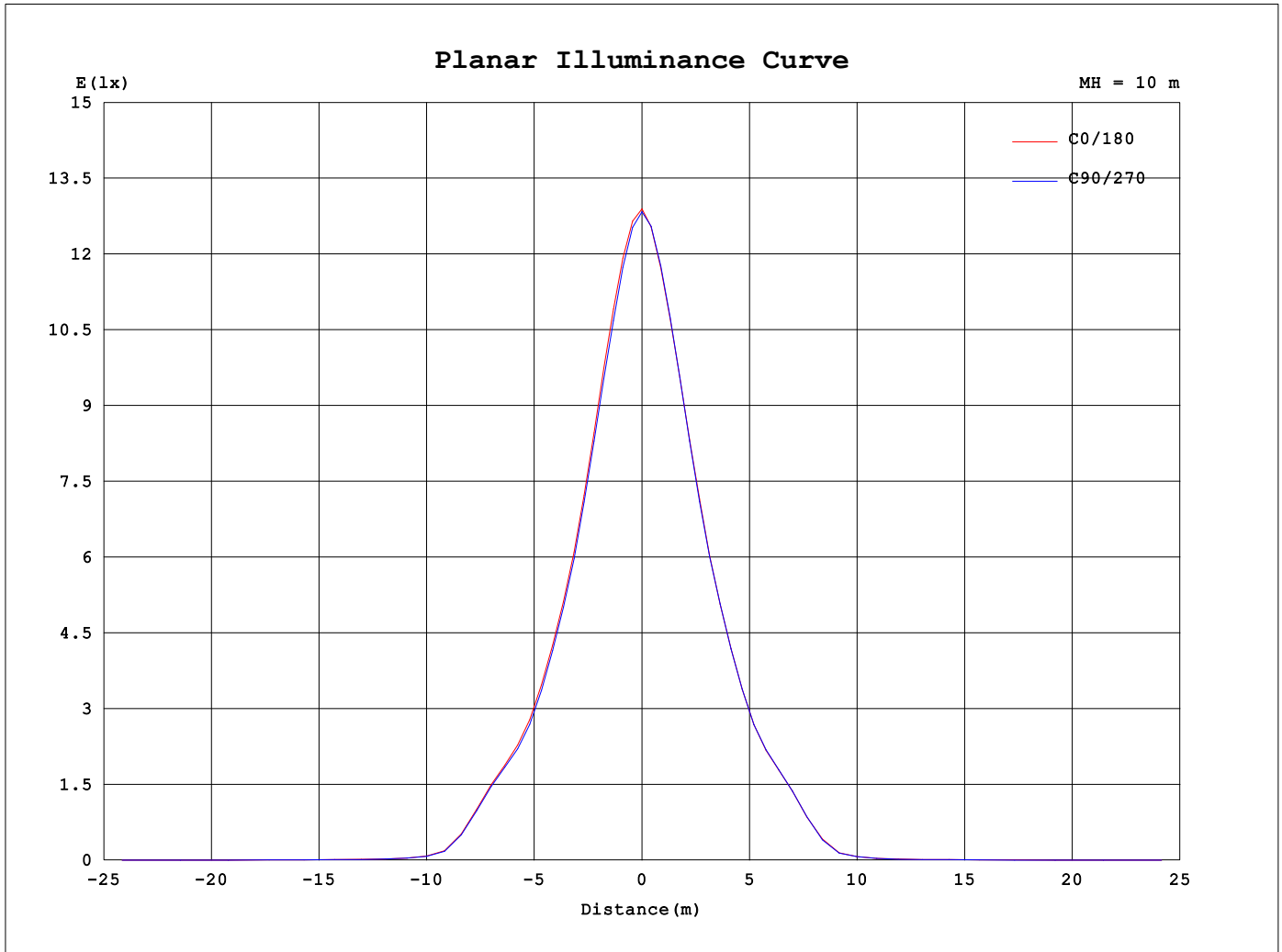
NAME: 92FLCOM1040/BL	TYPE: 92FLCOM1040/BL	WEIGHT: 1
SPEC.:	DIM.: F 90 x 90	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circular	Shielding Angle:



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

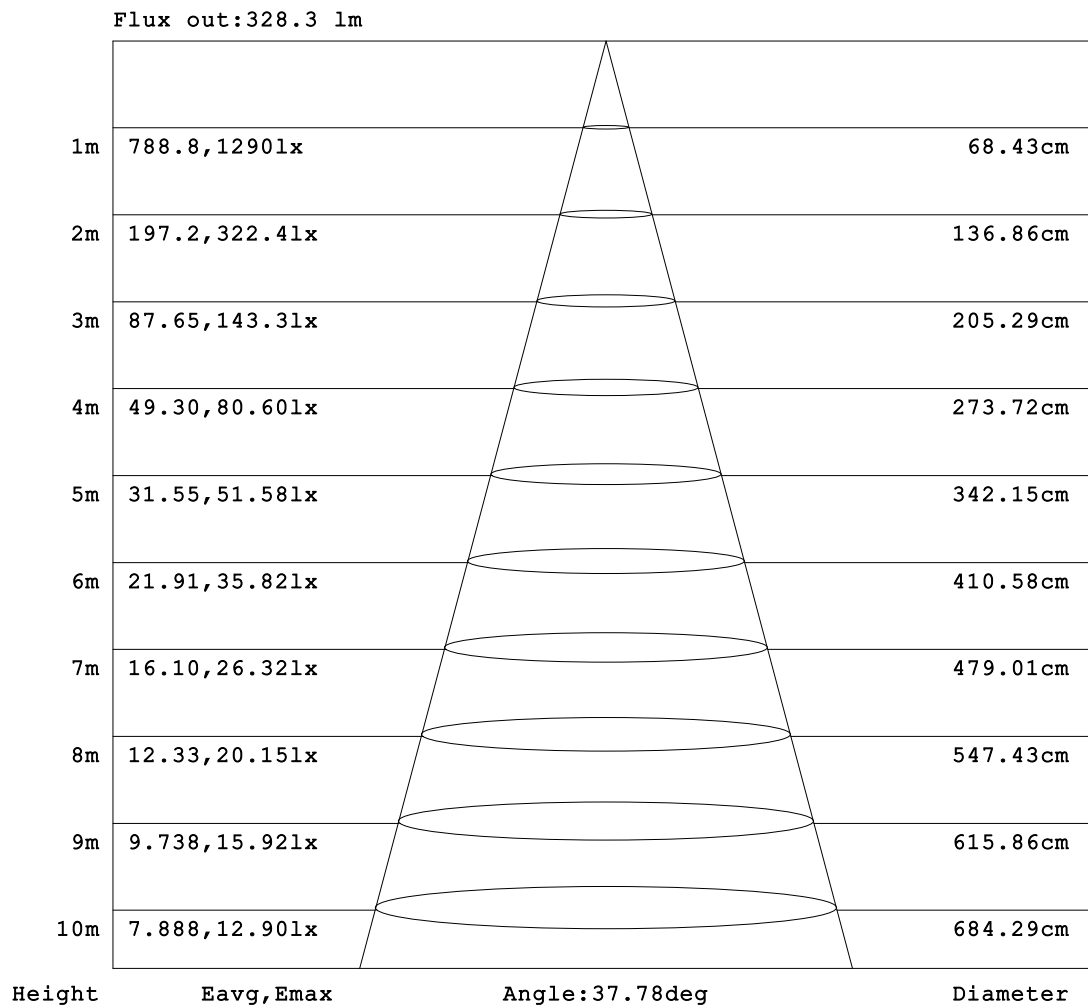


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 24 August 2022

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/BL	TYPE: 92FLCOM1040/BL	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/BL	TYPE: 92FLCOM1040/BL	WEIGHT: 1
SPEC.:	DIM.: F 90 x 90	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	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
-85	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
-80	0.02	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.02	0.02	0.01	0.03	0.04	0.04	0.03	0.05	0.06	0.05	0.04
-75	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.04	0.07	0.17	0.33	0.47	0.67	0.94	1.18	1.35	1.46	1.52	1.52
-70	0.02	0.01	0.01	0.01	0.02	0.04	0.05	0.29	0.58	1.14	1.63	1.87	2.07	2.32	2.58	2.70	2.75	2.80	2.81
-65	0.02	0.01	0.01	0.01	0.04	0.11	0.43	1.15	1.73	2.13	2.55	2.90	3.08	3.26	3.38	3.49	3.56	3.61	3.64
-60	0.02	0.01	0.01	0.02	0.07	0.39	1.31	1.97	2.52	2.99	3.29	3.55	3.79	4.06	4.33	4.56	4.73	4.80	4.78
-55	0.02	0.01	0.01	0.03	0.26	1.06	1.92	2.65	3.09	3.44	3.84	4.32	4.80	5.22	5.63	6.03	6.30	6.45	6.50
-50	0.02	0.01	0.01	0.05	0.52	1.65	2.44	3.03	3.44	4.01	4.71	5.40	6.08	6.76	7.51	8.25	8.71	8.99	9.07
-45	0.02	0.01	0.01	0.14	1.07	2.05	2.84	3.32	3.99	4.85	5.76	6.68	7.77	9.04	12.2	15.7	19.0	21.3	22.3
-40	0.02	0.01	0.01	0.28	1.54	2.44	3.07	3.70	4.67	5.73	6.87	8.38	12.0	18.2	29.7	48.4	81.7	102	112
-35	0.02	0.01	0.02	0.41	1.80	2.75	3.30	4.16	5.36	6.61	8.38	12.8	22.8	53.0	117	184	228	254	266
-30	0.02	0.01	0.03	0.64	2.03	2.93	3.58	4.67	5.99	7.66	11.8	22.7	67.4	162	244	290	317	333	340
-25	0.02	0.01	0.04	0.89	2.23	3.08	3.87	5.16	6.62	9.01	17.9	50.5	158	261	315	357	402	437	452
-20	0.02	0.01	0.04	1.10	2.39	3.21	4.15	5.58	7.27	11.7	28.2	110	240	314	375	457	532	584	604
-15	0.02	0.01	0.05	1.27	2.49	3.29	4.41	5.90	7.98	14.9	43.0	173	286	358	458	572	672	755	787
-10	0.02	0.02	0.05	1.38	2.56	3.35	4.59	6.14	8.55	18.1	71.3	214	313	401	537	676	822	946	998
-5	0.02	0.02	0.05	1.45	2.58	3.38	4.70	6.28	8.88	20.0	88.7	240	329	439	588	755	944	1107	1187
0	0.02	0.02	0.05	1.47	2.56	3.37	4.73	6.33	8.96	20.6	94.4	249	336	455	611	794	1000	1186	1290
5	0.02	0.02	0.05	1.45	2.56	3.37	4.72	6.31	8.84	19.8	86.6	237	328	440	592	764	952	1115	1191
10	0.02	0.02	0.05	1.37	2.53	3.32	4.63	6.18	8.51	17.7	68.3	208	310	402	538	684	832	954	1000
15	0.02	0.02	0.05	1.25	2.48	3.23	4.47	5.96	8.02	14.4	40.5	162	278	353	460	579	684	760	787
20	0.02	0.02	0.05	1.08	2.39	3.11	4.24	5.61	7.38	11.4	26.5	99.9	225	306	372	461	543	596	612
25	0.02	0.02	0.05	0.85	2.28	2.96	3.95	5.21	6.72	9.00	16.9	43.7	142	246	305	355	404	444	455
30	0.02	0.02	0.04	0.57	2.11	2.82	3.62	4.75	6.02	7.73	11.0	21.0	58.2	142	226	279	311	332	337
35	0.02	0.02	0.04	0.34	1.84	2.66	3.31	4.25	5.34	6.61	8.30	11.6	20.9	43.0	98.9	161	208	238	249
40	0.02	0.02	0.03	0.24	1.54	2.40	2.99	3.75	4.67	5.66	6.82	8.19	10.7	16.5	26.0	39.1	66.7	85.2	90.3
45	0.02	0.02	0.03	0.13	1.04	2.07	2.73	3.31	3.97	4.79	5.64	6.54	7.52	8.54	10.6	13.4	17.0	19.3	20.0
50	0.02	0.02	0.02	0.06	0.45	1.67	2.36	2.93	3.40	3.94	4.60	5.27	5.93	6.55	7.11	7.65	8.09	8.31	8.35
55	0.02	0.02	0.02	0.05	0.21	1.04	1.88	2.50	2.92	3.28	3.69	4.12	4.59	5.05	5.43	5.77	6.05	6.20	6.21
60	0.02	0.02	0.02	0.03	0.05	0.30	1.19	1.87	2.38	2.75	3.00	3.28	3.54	3.79	4.05	4.28	4.42	4.50	4.51
65	0.02	0.02	0.02	0.02	0.03	0.08	0.24	0.95	1.60	2.01	2.32	2.60	2.78	2.97	3.15	3.27	3.34	3.42	3.48
70	0.02	0.02	0.02	0.02	0.02	0.03	0.05	0.15	0.34	0.90	1.37	1.62	1.84	2.05	2.24	2.42	2.55	2.62	2.64
75	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.08	0.13	0.16	0.36	0.63	0.86	1.05	1.18	1.26	1.28
80	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	0.03	0.04	0.03	0.02	0.03	0.04
85	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	0.02	0.02
90	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	0.02	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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 92FLCOM1040/BL	TYPE: 92FLCOM1040/BL	WEIGHT: 1
SPEC.:	DIM.: F 90 x 90	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	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
-85	0.01	0.01	0.01	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	0.01	0.01	
-80	0.05	0.06	0.04	0.03	0.04	0.04	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
-75	1.46	1.35	1.25	1.10	0.90	0.66	0.44	0.30	0.15	0.06	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
-70	2.79	2.72	2.63	2.49	2.32	2.08	1.80	1.50	1.07	0.57	0.29	0.05	0.03	0.02	0.01	0.00	0.01	0.01	
-65	3.60	3.54	3.47	3.39	3.32	3.15	2.89	2.52	2.09	1.69	1.14	0.43	0.10	0.03	0.01	0.00	0.01	0.01	
-60	4.77	4.68	4.50	4.28	4.06	3.82	3.55	3.32	3.01	2.53	1.97	1.33	0.39	0.06	0.01	0.00	0.01	0.01	
-55	6.41	6.25	6.03	5.68	5.29	4.83	4.33	3.95	3.62	3.24	2.71	1.96	1.10	0.25	0.02	0.00	0.01	0.01	
-50	8.92	8.63	8.23	7.58	6.92	6.17	5.50	4.84	4.20	3.72	3.26	2.54	1.71	0.51	0.04	0.01	0.01	0.01	
-45	21.6	19.6	16.4	12.7	9.33	7.95	6.82	5.95	5.03	4.21	3.65	3.05	2.10	1.07	0.13	0.01	0.01	0.01	
-40	106	86.4	52.8	32.5	19.6	12.9	8.84	7.19	6.04	4.91	4.03	3.39	2.53	1.54	0.27	0.01	0.01	0.01	
-35	259	236	195	128	60.1	25.1	14.2	8.98	7.11	5.68	4.49	3.65	2.89	1.78	0.38	0.02	0.01	0.01	
-30	336	323	298	257	178	78.3	25.5	13.1	8.25	6.39	5.01	3.91	3.10	1.98	0.59	0.03	0.01	0.01	
-25	442	410	366	324	276	178	61.7	20.3	9.72	7.08	5.46	4.16	3.29	2.18	0.84	0.04	0.01	0.01	
-20	590	542	469	388	326	259	131	34.5	13.2	7.80	5.83	4.40	3.42	2.37	1.04	0.04	0.01	0.01	
-15	759	682	585	473	374	302	195	55.5	17.1	8.63	6.17	4.61	3.54	2.51	1.21	0.05	0.01	0.01	
-10	953	835	688	550	419	330	238	91.0	21.2	9.28	6.38	4.73	3.62	2.61	1.32	0.05	0.01	0.01	
-5	1122	963	770	602	457	347	264	111	23.6	9.60	6.49	4.78	3.67	2.66	1.38	0.06	0.01	0.01	
0	1206	1020	802	618	467	351	272	115	24.3	9.63	6.48	4.75	3.68	2.67	1.40	0.06	0.01	0.01	
5	1129	964	768	596	450	343	261	105	23.1	9.28	6.34	4.68	3.62	2.63	1.36	0.06	0.01	0.01	
10	956	834	685	541	412	326	235	83.5	20.1	8.70	6.09	4.55	3.53	2.56	1.28	0.06	0.01	0.01	
15	760	681	577	464	365	298	192	51.0	15.8	7.98	5.74	4.35	3.40	2.44	1.14	0.05	0.01	0.01	
20	591	537	462	381	321	250	119	32.0	11.8	7.18	5.38	4.10	3.25	2.28	0.96	0.05	0.01	0.01	
25	442	404	361	317	267	165	53.5	18.8	8.78	6.51	5.01	3.85	3.08	2.09	0.73	0.04	0.01	0.01	
30	333	316	290	243	160	69.0	24.0	11.3	7.39	5.80	4.56	3.58	2.87	1.87	0.45	0.04	0.01	0.01	
35	242	216	175	111	49.7	23.4	12.0	8.02	6.30	5.08	4.08	3.29	2.65	1.64	0.22	0.03	0.01	0.01	
40	87.5	70.7	42.6	28.3	17.6	10.9	7.97	6.54	5.35	4.43	3.67	3.02	2.30	1.38	0.15	0.03	0.01	0.01	
45	19.7	17.6	13.8	10.8	8.53	7.30	6.33	5.39	4.54	3.89	3.32	2.73	1.90	0.89	0.09	0.02	0.01	0.01	
50	8.25	8.02	7.59	7.02	6.45	5.80	5.12	4.44	3.83	3.42	2.96	2.28	1.49	0.32	0.04	0.02	0.01	0.01	
55	6.19	6.04	5.75	5.43	5.11	4.64	4.12	3.68	3.29	2.94	2.43	1.72	0.88	0.14	0.03	0.02	0.01	0.01	
60	4.51	4.44	4.32	4.16	3.98	3.72	3.45	3.14	2.74	2.27	1.72	1.06	0.20	0.03	0.02	0.02	0.01	0.01	
65	3.48	3.46	3.42	3.34	3.22	3.02	2.76	2.35	1.89	1.46	0.86	0.19	0.06	0.02	0.02	0.02	0.01	0.01	
70	2.61	2.53	2.41	2.26	2.11	1.91	1.65	1.36	0.84	0.28	0.12	0.04	0.03	0.02	0.02	0.02	0.01	0.01	
75	1.25	1.17	1.05	0.88	0.66	0.38	0.15	0.11	0.06	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.01	0.01	
80	0.03	0.02	0.03	0.04	0.02	0.01	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	
85	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	
90	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	

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: