

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1465.6 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	0.0 degrees horizontal

Beam Spread	At 10% of Imax	88.2V x 88.2H
	At 50% of Imax	44.7V x 44.7H
	At 90% of Imax	16.1V x 15.9H

Beam Flux	Total	1085.4 lumens per klm.
	To 10% of Imax	1039.3 lumens per klm.
	To 50% of Imax	497.6 lumens per klm.
	To 90% of Imax	82.7 lumens per klm.

Upward LOR	0.0 %
Downward LOR	108.5 %

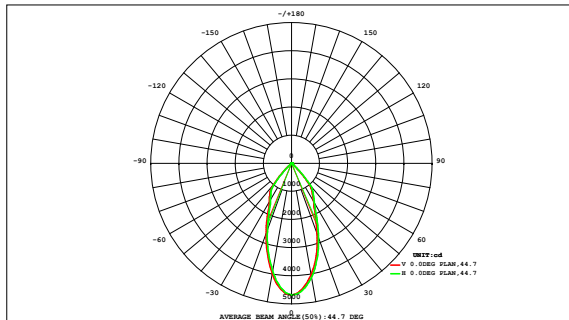
Luminaire Efficiency (Light Output Ratio)	108.4 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 24 August 2022

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: 92FLCOM4040/BL	TYPE: 92FLCOM4040/BL	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/BL	Imax (cd)	4690
NOMINAL POWER (W)	40	AVAILABILITY (%)	103.8
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	3320
NOMINAL FLUX (lm)	3200	LOR (%)	108.4
LAMPS INSIDE	1	TOTAL FLUX (lm)	3469
TEST VOLTAGE (V)	230	θ @50% (H,V)	45,45DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM																UNIT:lm		Φ t	Φ a
	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	0.09	0.00
90	0.00	0.00	0.00	0.02	0.06	0.09	0.13	0.17	0.20	0.21	0.18	0.14	0.09	0.05	0.02	0.00	0.00	0.00	1.35	0.00
80	0.00	0.00	0.03	0.13	0.23	0.31	0.38	0.44	0.47	0.48	0.45	0.37	0.29	0.22	0.13	0.02	0.00	0.00	3.97	0.00
70	0.00	0.01	0.10	0.21	0.33	0.48	0.65	0.82	0.95	0.96	0.85	0.67	0.47	0.31	0.22	0.09	0.01	0.00	7.13	0.00
60	0.00	0.03	0.15	0.27	0.48	0.82	1.90	5.89	10.0	10.0	6.31	1.91	0.80	0.47	0.27	0.15	0.02	0.00	39.5	16.6
50	0.00	0.05	0.17	0.35	0.72	3.71	18.1	31.9	37.8	38.2	32.4	18.4	3.79	0.71	0.35	0.17	0.05	0.00	187	174
40	0.00	0.06	0.19	0.45	1.65	16.8	35.5	47.1	56.9	57.0	47.4	36.4	17.4	1.69	0.43	0.19	0.06	0.00	319	310
30	0.00	0.07	0.21	0.54	5.03	27.6	45.0	71.0	93.7	93.5	70.9	45.3	28.7	5.27	0.51	0.21	0.07	0.00	488	480
20	0.00	0.07	0.22	0.60	8.28	31.7	54.1	93.8	127	126	92.6	54.3	32.9	8.73	0.59	0.22	0.08	0.00	631	624
10	0.00	0.07	0.23	0.61	8.60	31.9	55.3	96.5	129	129	95.0	55.6	33.2	9.09	0.60	0.23	0.08	0.00	646	639
0	0.00	0.07	0.22	0.56	5.62	28.0	47.2	76.6	102	101	76.3	47.4	29.5	5.91	0.54	0.22	0.07	0.00	521	514
-10	0.00	0.06	0.20	0.49	2.24	18.7	36.7	51.1	63.2	63.1	51.1	37.9	19.7	2.33	0.46	0.20	0.07	0.00	347	338
-20	0.00	0.05	0.18	0.40	0.80	5.29	21.3	34.4	40.3	40.6	35.3	22.1	5.46	0.82	0.37	0.18	0.05	0.00	208	194
-30	0.00	0.03	0.15	0.30	0.56	0.96	3.08	9.13	14.0	14.1	9.22	3.12	0.96	0.54	0.28	0.15	0.03	0.00	56.7	30.9
-40	0.00	0.01	0.11	0.23	0.37	0.57	0.79	0.99	1.13	1.10	0.94	0.74	0.53	0.34	0.22	0.12	0.01	0.00	8.21	0.00
-50	0.00	0.00	0.04	0.15	0.26	0.34	0.42	0.49	0.52	0.50	0.45	0.38	0.31	0.24	0.15	0.04	0.00	0.00	4.30	0.00
-60	0.00	0.00	0.01	0.02	0.06	0.11	0.15	0.19	0.21	0.20	0.18	0.14	0.10	0.06	0.02	0.01	0.00	0.00	1.47	0.00
-70	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	0.07	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	0.60	2.22	5.35	35.3	167	321	520	677	677	520	325	174	36.8	5.18	2.20	0.62	0.01	3469	---
Φ a	0.00	0.00	0.00	0.00	17.0	153	309	509	666	666	508	313	160	18.6	0.00	0.00	0.00	0.00	---	3320

one-half-peak spread: U:23.5,D:21.5 , L:22.4,R:22.6

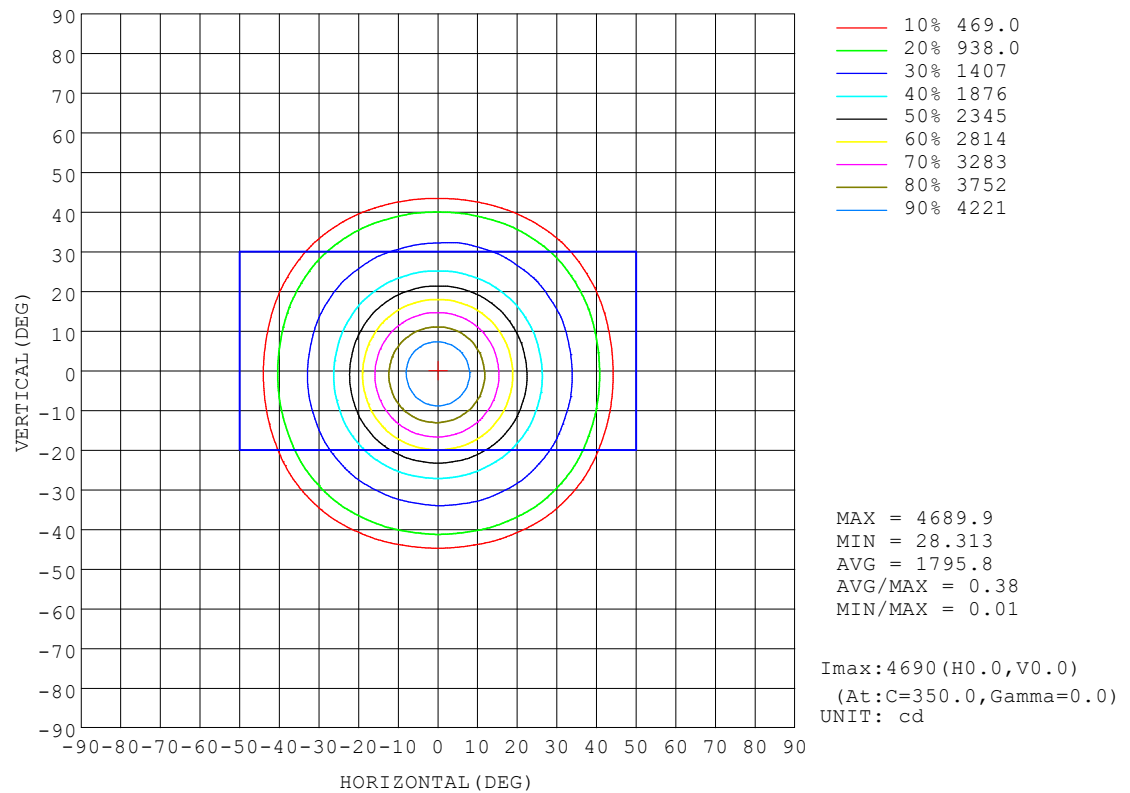
NEMA Beam Type: Type 5

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

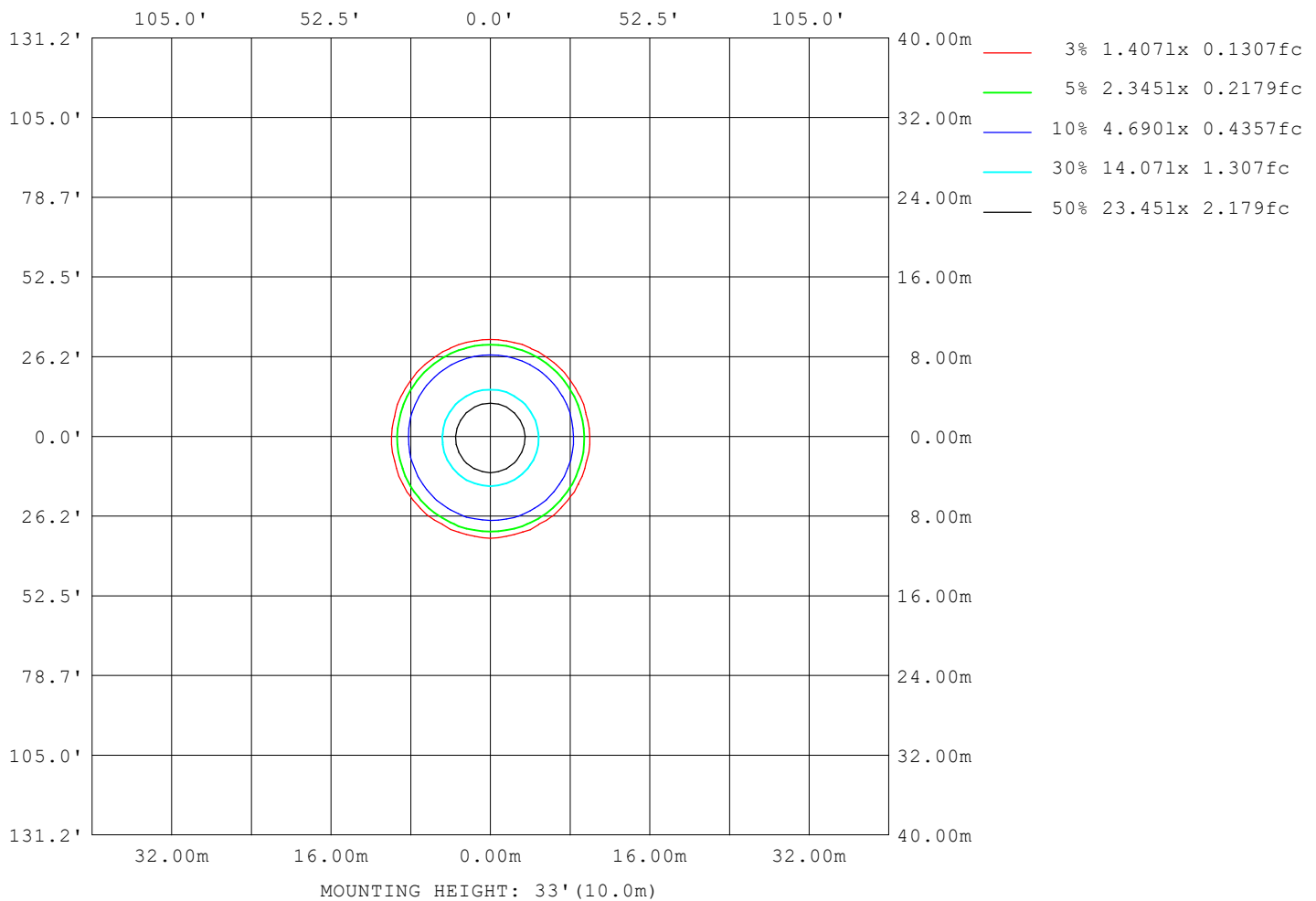


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 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:
 Test Date:24 August 2022

γ Range: 0 - 90DEG
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 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity:65.0%
 Test Distance:6.265m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

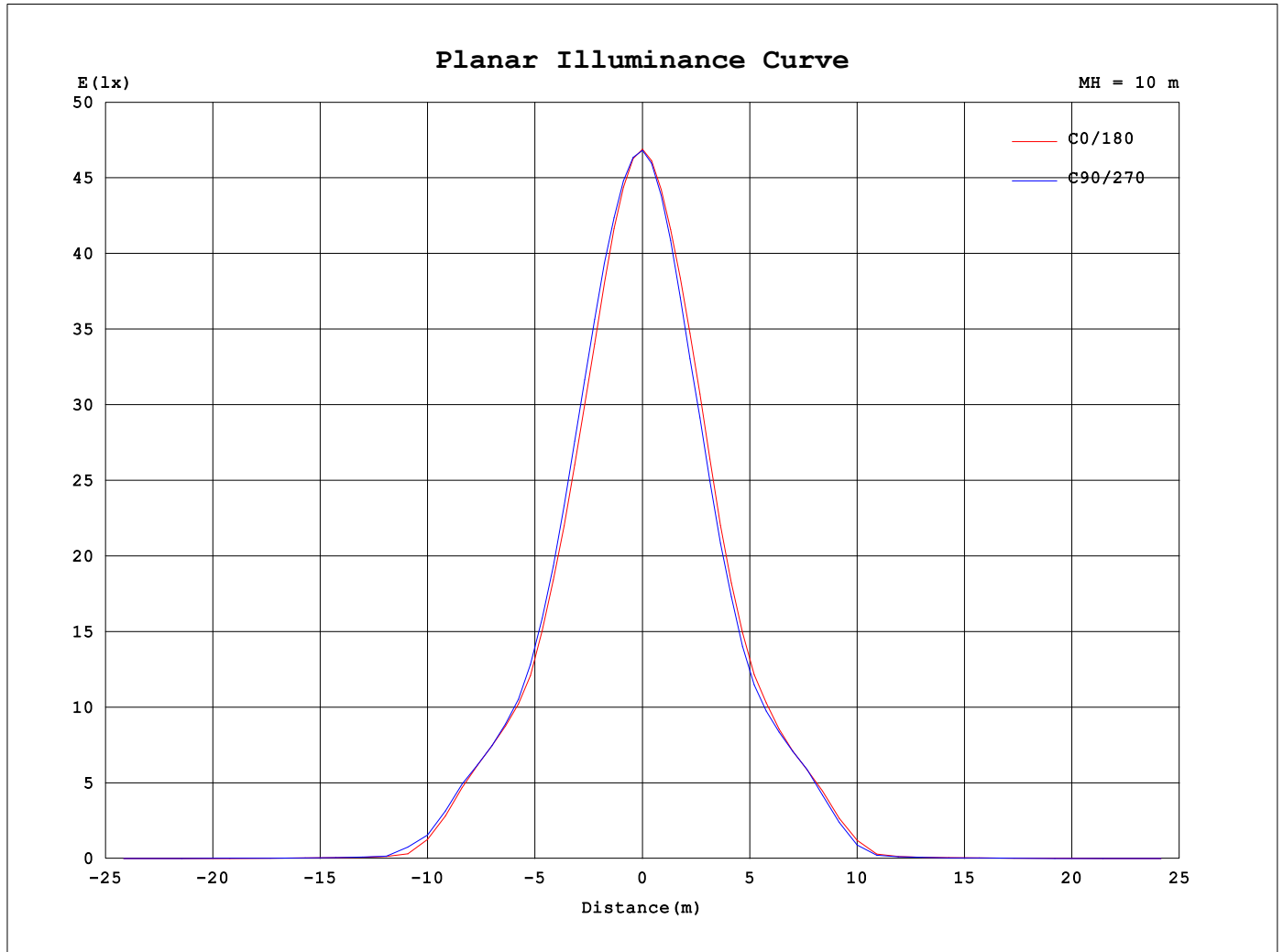
NAME: 92FLCOM4040/BL	TYPE: 92FLCOM4040/BL	WEIGHT: 1
SPEC.:	DIM.: F 170 x 185	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: Circular	Shielding Angle:



C Range: 0 - 360DEG
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 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
 Test Distance: 6.265m [K=1.0000]
 Remarks:

Planar Illuminance Curve

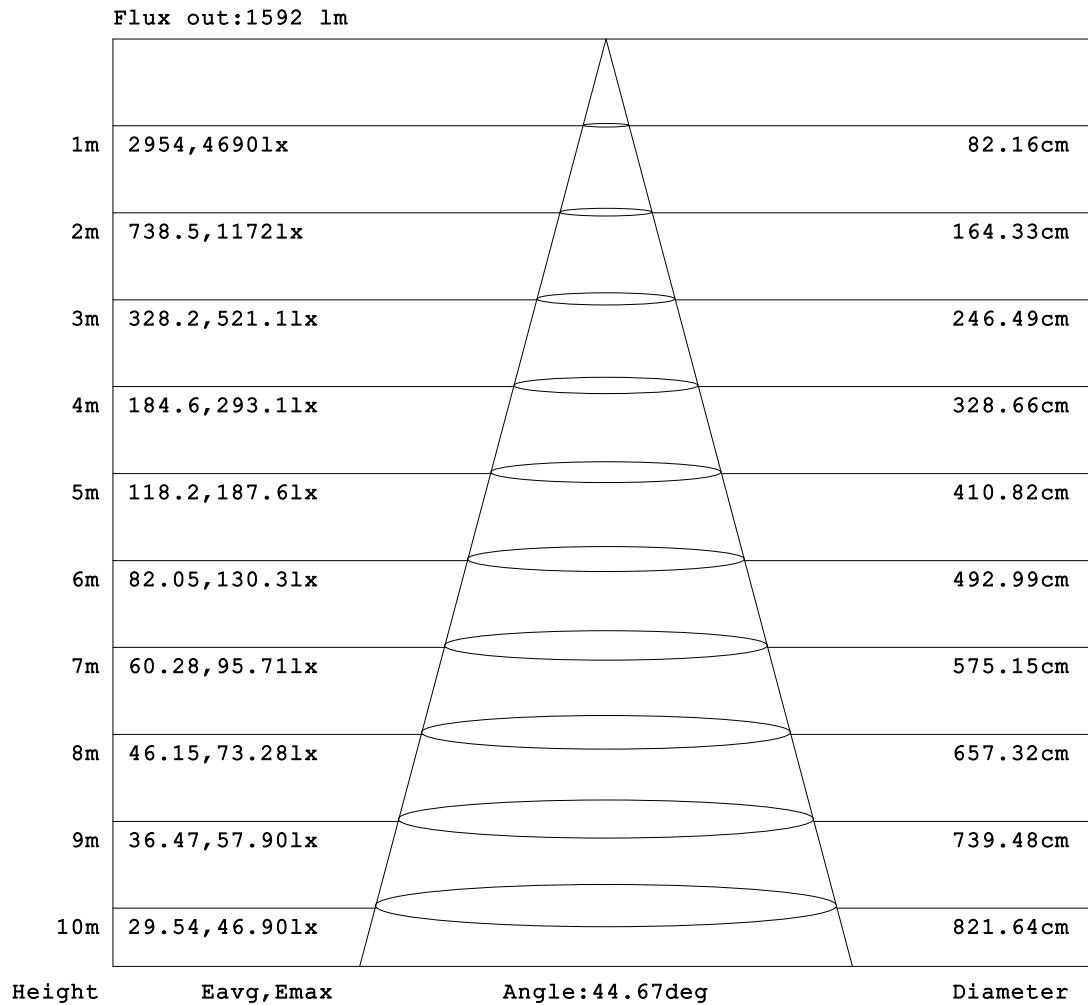


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 24 August 2022

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/BL	TYPE: 92FLCOM4040/BL	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/BL	TYPE: 92FLCOM4040/BL	WEIGHT: 1
SPEC.:	DIM.: F 170 x 185	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	0.23	0.19	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
-85	0.23	0.19	0.14	0.14	0.15	0.14	0.14	0.15	0.15	0.15	0.15	0.16	0.17	0.17	0.17	0.18	0.19	0.18	0.18
-80	0.23	0.19	0.14	0.15	0.17	0.18	0.18	0.23	0.24	0.26	0.29	0.36	0.43	0.49	0.55	0.59	0.63	0.64	0.65
-75	0.23	0.18	0.15	0.18	0.22	0.32	0.42	0.80	0.90	1.89	2.83	3.23	3.78	5.16	6.47	7.50	8.28	8.53	8.44
-70	0.23	0.18	0.17	0.22	0.37	0.81	1.60	4.33	7.09	8.25	9.78	10.6	11.1	11.7	12.1	12.3	12.4	12.5	12.5
-65	0.23	0.18	0.19	0.34	0.80	2.20	6.36	8.94	10.8	12.3	13.1	13.7	14.0	14.4	15.2	15.7	16.0	16.2	16.2
-60	0.23	0.18	0.21	0.45	1.46	6.34	9.56	11.9	13.3	14.2	14.8	16.6	18.4	20.4	22.3	23.8	24.7	25.2	25.2
-55	0.23	0.19	0.29	0.90	4.45	8.93	11.9	13.5	14.7	16.6	19.3	22.5	26.0	29.0	31.1	32.9	34.3	35.1	35.2
-50	0.23	0.20	0.36	1.35	7.35	10.9	13.2	14.6	17.4	20.8	25.0	29.3	33.5	37.0	40.5	49.0	56.4	60.8	62.4
-45	0.23	0.21	0.42	2.78	8.91	12.4	13.9	16.7	21.2	26.0	30.3	35.6	42.9	59.0	132	285	347	410	439
-40	0.23	0.21	0.51	4.81	10.2	13.0	14.8	19.4	25.3	30.3	35.5	50.1	158	327	558	797	955	1054	1097
-35	0.23	0.22	0.70	6.61	11.0	13.5	16.7	22.2	28.8	33.7	49.2	125	431	805	1078	1208	1288	1333	1359
-30	0.23	0.23	0.84	7.67	11.6	14.2	18.5	25.6	31.7	40.4	157	419	861	1152	1303	1428	1535	1594	1623
-25	0.23	0.23	0.95	8.31	12.1	14.8	20.2	28.1	34.5	54.9	304	774	1137	1330	1520	1710	1920	2071	2134
-20	0.23	0.23	1.02	8.83	12.4	15.7	22.0	30.3	37.7	92.8	508	1037	1286	1506	1776	2141	2467	2719	2814
-15	0.23	0.24	1.06	9.22	12.6	16.2	23.4	32.0	44.4	169	716	1160	1405	1685	2108	2613	3096	3413	3513
-10	0.23	0.24	1.07	9.48	12.8	16.5	24.1	32.9	50.0	274	871	1239	1498	1852	2408	3053	3615	3983	4121
-5	0.23	0.24	1.06	9.62	12.9	16.6	24.2	33.4	52.6	330	964	1284	1559	1983	2607	3330	3935	4344	4533
0	0.23	0.24	1.02	9.62	12.8	16.5	24.0	33.4	52.8	342	993	1298	1585	2010	2654	3409	4021	4475	4690
5	0.23	0.24	0.99	9.58	12.8	16.3	23.5	33.0	51.2	311	948	1277	1533	1928	2532	3243	3830	4268	4435
10	0.23	0.24	0.94	9.40	12.8	16.1	22.7	31.8	47.7	241	838	1236	1472	1779	2287	2884	3413	3761	3883
15	0.23	0.24	0.88	9.09	12.6	15.7	21.6	30.0	42.9	141	672	1165	1375	1598	1964	2418	2848	3135	3233
20	0.23	0.24	0.81	8.65	12.4	15.1	20.2	27.4	37.4	74.0	448	993	1265	1445	1644	1938	2246	2448	2512
25	0.23	0.24	0.72	8.07	12.1	14.4	18.7	25.0	33.7	49.5	211	684	1109	1300	1433	1575	1722	1852	1886
30	0.23	0.24	0.63	7.36	11.7	13.8	17.0	22.4	29.2	39.1	68.0	318	767	1104	1265	1364	1432	1483	1502
35	0.23	0.23	0.53	6.20	10.9	13.2	15.5	19.9	25.0	31.8	43.8	74.0	308	666	977	1161	1236	1279	1294
40	0.23	0.23	0.43	4.23	9.89	12.5	14.1	17.3	21.6	26.4	33.3	43.2	64.3	192	413	631	799	908	936
45	0.23	0.23	0.37	2.02	8.29	11.8	13.2	15.0	18.2	22.2	26.7	31.5	37.8	47.0	64.3	116	198	247	257
50	0.23	0.22	0.33	0.63	6.30	10.3	12.3	13.4	15.3	18.2	21.5	24.7	28.0	32.1	36.2	40.4	44.9	47.4	47.7
55	0.23	0.22	0.28	0.48	3.33	7.98	10.8	12.2	13.4	15.0	17.0	19.2	21.3	23.1	24.8	26.9	28.6	29.7	30.3
60	0.23	0.21	0.24	0.34	0.49	4.95	8.55	10.4	11.9	13.2	14.1	15.2	16.2	17.4	18.2	19.3	20.3	20.9	21.3
65	0.23	0.22	0.23	0.29	0.35	1.09	5.46	7.90	9.42	10.8	11.9	13.0	13.5	13.9	14.2	14.5	14.8	15.0	15.1
70	0.23	0.22	0.22	0.23	0.27	0.36	0.63	3.64	6.46	7.13	8.03	8.78	9.28	10.0	10.7	11.4	11.9	12.3	12.6
75	0.23	0.22	0.21	0.22	0.22	0.25	0.31	0.45	0.58	1.63	2.52	2.89	3.33	4.26	5.19	6.25	7.15	7.79	8.17
80	0.23	0.22	0.21	0.21	0.21	0.21	0.22	0.24	0.25	0.27	0.29	0.36	0.42	0.47	0.51	0.55	0.58	0.61	0.62
85	0.23	0.23	0.22	0.22	0.22	0.21	0.21	0.21	0.21	0.21	0.20	0.21	0.21	0.21	0.21	0.22	0.22	0.22	0.22
90	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.23	0.23	0.23

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/BL	TYPE: 92FLCOM4040/BL	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	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	
-85	0.19	0.19	0.18	0.17	0.17	0.17	0.16	0.15	0.15	0.15	0.15	0.14	0.15	0.15	0.14	0.14	0.14	0.14	
-80	0.64	0.63	0.58	0.52	0.48	0.42	0.37	0.30	0.27	0.25	0.24	0.18	0.18	0.17	0.15	0.14	0.14	0.14	
-75	8.12	7.52	6.80	5.84	4.68	3.50	3.05	2.78	1.98	0.87	0.78	0.50	0.36	0.22	0.18	0.14	0.15	0.14	
-70	12.2	11.9	11.5	11.0	10.6	10.1	9.78	9.07	8.08	7.84	4.74	1.42	0.79	0.43	0.22	0.17	0.15	0.14	
-65	15.8	15.3	14.6	13.8	12.9	12.7	12.8	12.3	11.5	10.2	8.97	7.18	2.09	0.76	0.37	0.19	0.15	0.14	
-60	24.2	22.9	21.8	20.3	18.6	16.9	15.3	13.7	13.4	12.5	11.1	9.49	7.27	1.16	0.52	0.21	0.15	0.14	
-55	34.0	32.5	30.9	28.9	26.9	24.4	21.2	18.0	15.3	13.9	13.0	11.3	9.29	4.81	0.79	0.29	0.16	0.14	
-50	60.1	55.6	49.1	40.4	35.6	31.9	28.2	24.2	19.6	15.9	14.0	12.7	10.7	8.22	1.05	0.38	0.16	0.14	
-45	409	347	285	134	60.2	43.2	35.2	29.8	25.1	19.6	15.5	13.7	12.0	9.32	2.63	0.45	0.17	0.14	
-40	1062	971	816	569	331	161	51.7	36.3	29.6	23.9	17.9	14.2	12.9	10.4	5.03	0.53	0.18	0.14	
-35	1347	1314	1246	1121	839	441	129	51.7	34.8	27.4	20.8	15.7	13.6	11.3	7.13	0.65	0.19	0.14	
-30	1598	1543	1452	1348	1211	903	432	163	42.6	30.8	23.8	17.4	14.1	12.1	8.19	0.74	0.19	0.14	
-25	2070	1909	1700	1534	1379	1203	814	314	58.7	34.6	25.9	19.2	14.4	12.6	8.72	0.82	0.20	0.14	
-20	2720	2475	2141	1764	1524	1346	1102	532	97.3	38.9	27.6	20.7	15.3	13.0	9.18	0.88	0.20	0.14	
-15	3386	3071	2611	2122	1681	1444	1234	758	177	46.4	29.4	21.9	15.9	13.3	9.55	0.92	0.21	0.14	
-10	3951	3550	3017	2422	1851	1520	1308	926	288	52.9	30.7	22.7	16.3	13.6	9.81	0.94	0.21	0.14	
-5	4363	3886	3263	2613	2002	1569	1349	1022	346	56.3	31.4	23.2	16.6	13.7	9.96	0.95	0.21	0.14	
0	4490	3981	3330	2653	2024	1575	1358	1045	357	57.0	31.5	23.2	16.7	13.8	9.99	0.94	0.21	0.14	
5	4255	3778	3192	2540	1935	1547	1338	998	325	54.3	30.9	22.7	16.4	13.7	9.86	0.90	0.21	0.14	
10	3743	3377	2864	2302	1776	1501	1293	884	253	49.4	29.7	21.8	16.0	13.5	9.58	0.86	0.21	0.14	
15	3125	2837	2422	1959	1606	1415	1215	708	148	43.1	28.0	20.7	15.5	13.3	9.16	0.81	0.21	0.14	
20	2451	2251	1932	1646	1474	1311	1032	465	78.0	36.8	26.1	19.5	14.9	13.0	8.59	0.74	0.21	0.14	
25	1852	1720	1581	1457	1342	1146	703	216	51.2	32.4	24.2	18.3	14.3	12.5	7.87	0.67	0.21	0.14	
30	1498	1452	1390	1298	1134	791	325	70.4	38.8	28.3	22.0	16.9	14.0	11.9	7.00	0.59	0.20	0.14	
35	1295	1256	1182	997	679	313	74.9	44.2	31.3	24.7	19.7	15.5	13.8	10.9	5.74	0.51	0.20	0.14	
40	907	801	635	414	192	64.5	43.4	32.4	26.0	21.6	17.3	14.3	13.0	9.70	3.86	0.43	0.19	0.14	
45	246	209	174	79.0	46.9	37.9	30.8	25.7	21.9	18.3	15.2	13.8	12.1	7.54	1.80	0.37	0.19	0.14	
50	47.2	45.0	41.3	36.7	32.5	27.9	24.0	20.8	17.8	15.2	13.7	12.8	10.3	4.66	0.57	0.32	0.19	0.14	
55	30.5	30.0	28.5	26.3	24.0	21.1	18.4	16.2	14.1	13.2	12.8	11.0	6.92	2.25	0.46	0.28	0.18	0.14	
60	21.3	21.0	20.0	18.6	17.1	15.4	14.0	12.9	12.4	11.9	10.8	8.28	2.97	0.43	0.36	0.23	0.17	0.14	
65	15.2	15.1	14.7	14.0	13.1	12.7	12.2	11.3	10.6	9.49	7.75	4.59	0.80	0.36	0.29	0.22	0.18	0.14	
70	12.7	12.6	12.0	11.4	10.5	9.67	8.98	8.26	7.03	5.93	3.35	0.57	0.37	0.29	0.23	0.21	0.18	0.14	
75	8.15	7.84	7.04	5.96	4.68	3.32	2.63	2.28	1.49	0.55	0.44	0.32	0.27	0.21	0.22	0.21	0.18	0.14	
80	0.62	0.60	0.57	0.53	0.47	0.41	0.35	0.29	0.27	0.25	0.24	0.22	0.21	0.21	0.21	0.21	0.18	0.14	
85	0.22	0.22	0.22	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.22	0.22	0.22	0.18	0.14
90	0.23	0.23	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.19	0.14	

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: