

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1282.7 cd per klm.
(Luminaire orientation as tested.)	10.0 degrees vertical
	2.0 degrees horizontal

Beam Spread	At 10% of Imax	88.9V x 70.0H
	At 50% of Imax	65.8V x 50.3H
	At 90% of Imax	42.3V x 14.6H

Beam Flux	Total	1103.5 lumens per klm.
	To 10% of Imax	1055.2 lumens per klm.
	To 50% of Imax	774.9 lumens per klm.
	To 90% of Imax	190.7 lumens per klm.

Upward LOR	0.0 %
Downward LOR	110.3 %

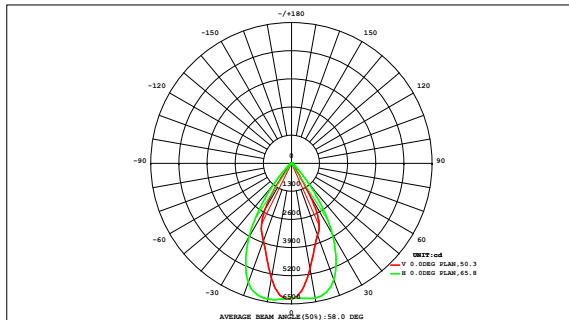
Luminaire Efficiency (Light Output Ratio)	110.2 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 30 August 2022

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: 93ZFLD6030/BL	TYPE: 93ZFLD6030/BL	WEIGHT: 1
SPEC.:	DIM.: 804 x 34 x 68	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: 24 square 20 x 20	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	93ZFLD6030/BL	Imax (cd)	6413
NOMINAL POWER (W)	60	AVAILABILITY (%)	105.2
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	5258
NOMINAL FLUX (lm)	5000	LOR (%)	110.2
LAMPS INSIDE	1	TOTAL FLUX (lm)	5512
TEST VOLTAGE (V)	230	θ @50% (H,V)	50,66DEG

VERTICAL (DEG)	AREA FLUX DIAGRAM															UNIT:lm			Φ t	Φ a
	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	0.01	0.00	0.00	0.00	0.11	0.00
90	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.03	0.05	0.06	0.05	0.04	0.02	0.01	0.01	0.00	0.00	0.00	0.32	0.00
80	0.00	0.00	0.00	0.01	0.04	0.10	0.24	0.50	0.71	0.76	0.66	0.38	0.18	0.08	0.02	0.00	0.00	0.00	3.69	0.00
70	0.00	0.00	0.00	0.04	0.16	0.39	1.07	2.61	3.64	3.88	3.42	1.82	0.64	0.27	0.10	0.01	0.00	0.00	18.0	0.00
60	0.00	0.00	0.02	0.13	0.39	1.13	5.49	14.3	19.3	20.8	18.2	10.2	2.31	0.61	0.21	0.05	0.00	0.00	93.1	48.0
50	0.00	0.00	0.04	0.23	0.74	3.15	24.1	54.9	74.4	79.3	65.0	39.9	7.97	1.20	0.35	0.09	0.00	0.00	351	335
40	0.00	0.00	0.07	0.33	1.19	6.50	53.2	102	139	148	117	75.9	18.9	1.98	0.48	0.13	0.01	0.00	664	650
30	0.00	0.00	0.09	0.40	1.62	10.9	74.7	123	172	184	140	93.4	28.6	2.71	0.58	0.15	0.01	0.00	832	817
20	0.00	0.00	0.11	0.45	1.93	14.1	80.0	123	174	186	138	92.9	31.7	2.96	0.63	0.16	0.01	0.00	847	832
10	0.00	0.00	0.11	0.44	1.88	13.1	77.6	121	172	184	136	90.9	28.7	2.88	0.63	0.16	0.01	0.00	829	814
0	0.00	0.00	0.09	0.40	1.53	9.65	71.1	120	168	181	137	90.0	25.9	2.47	0.57	0.15	0.01	0.00	809	795
-10	0.00	0.00	0.07	0.32	1.12	5.90	49.9	98.1	134	144	113	71.5	16.2	1.80	0.46	0.12	0.01	0.00	636	621
-20	0.00	0.00	0.04	0.22	0.70	2.70	21.1	51.1	69.5	75.0	61.4	36.6	6.64	1.12	0.34	0.09	0.00	0.00	326	310
-30	0.00	0.00	0.01	0.12	0.37	1.03	4.44	12.4	17.5	18.8	16.5	8.89	1.98	0.58	0.21	0.04	0.00	0.00	82.9	37.1
-40	0.00	0.00	0.00	0.04	0.15	0.37	0.95	2.28	3.20	3.50	3.13	1.62	0.59	0.25	0.09	0.01	0.00	0.00	16.2	0.00
-50	0.00	0.00	0.00	0.01	0.03	0.10	0.22	0.45	0.63	0.69	0.61	0.35	0.17	0.08	0.02	0.00	0.00	0.00	3.37	0.00
-60	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.05	0.05	0.05	0.04	0.02	0.01	0.01	0.00	0.00	0.00	0.31	0.00
-70	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	0.00	0.00	0.00	0.00	0.10	0.00
-80	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	0.00	0.00	0.00	0.00	0.10	0.00
-90	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	0.00	0.00	0.00	0.00	0.10	0.00
HORIZONTAL (DEG)																				
Φ t	0.01	0.04	0.68	3.15	11.9	69.2	464	825	1148	1231	949	614	171	19.0	4.70	1.19	0.09	0.01	5512	---
Φ a	0.00	0.00	0.00	0.00	0.00	27.1	441	804	1125	1208	927	594	132	0.00	0.00	0.00	0.00	0.00	---	5258

one-half-peak spread: U:22.7,D:23.3 , L:24.3,R:26.5

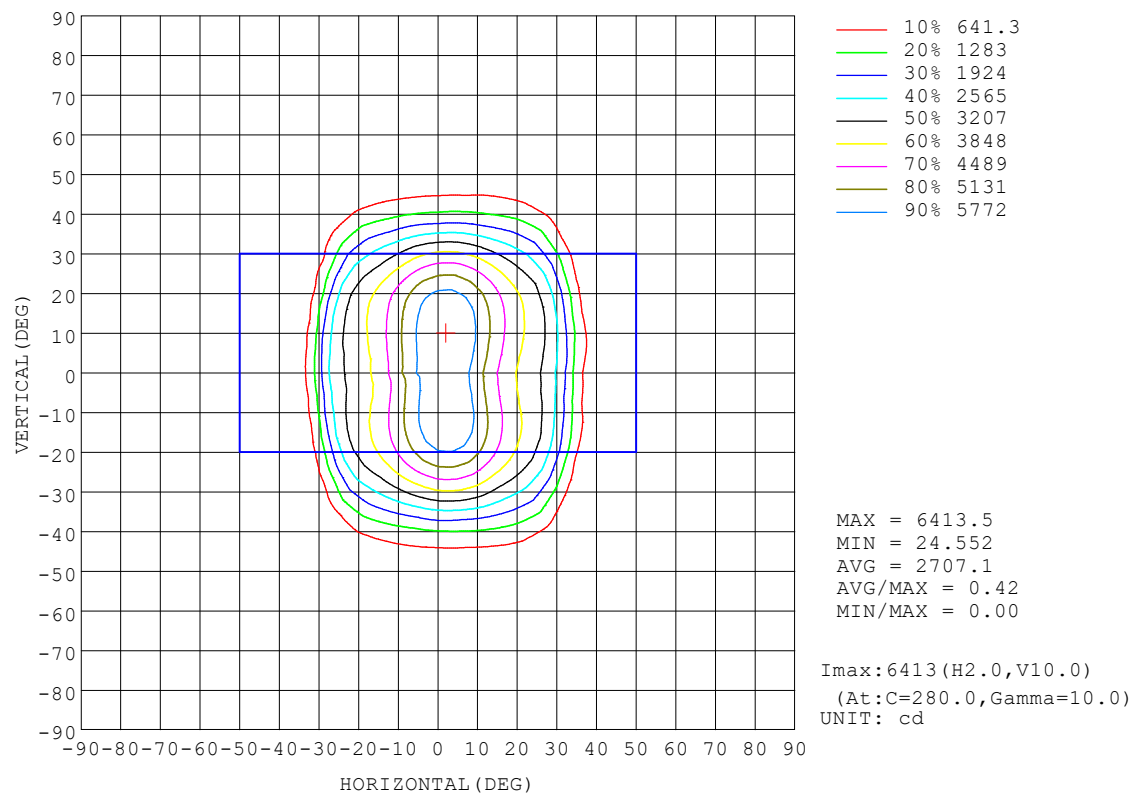
NEMA Beam Type: Type 4 x 5 (H x V)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:30 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: 93ZFLD6030/BL	TYPE: 93ZFLD6030/BL	WEIGHT: 1
SPEC.:	DIM.: 804 x 34 x 68	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: 24 square 20 x 20	Shielding Angle:

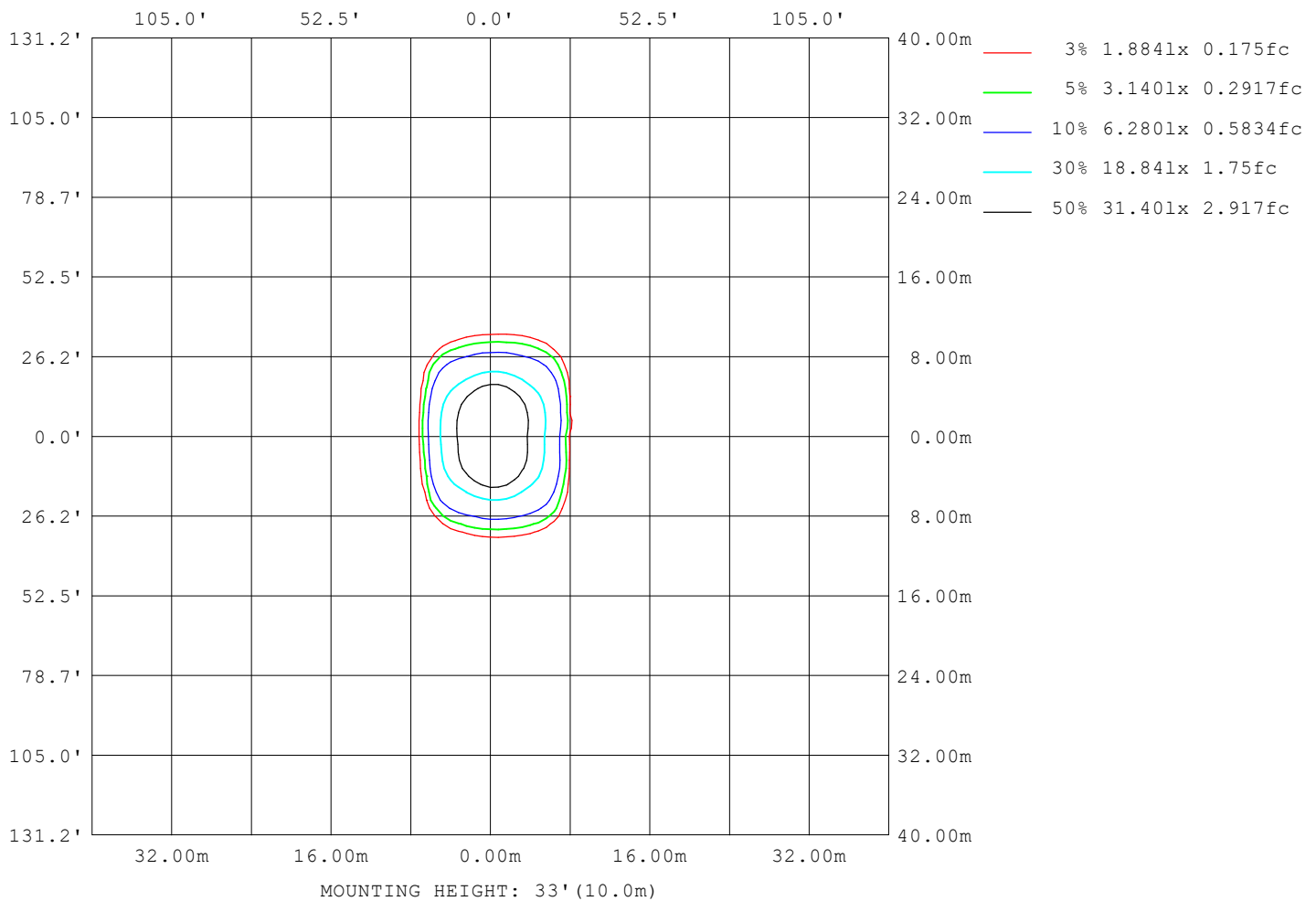


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Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
Humidity: 65.0%
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Remarks:

ISOLUX DIAGRAM

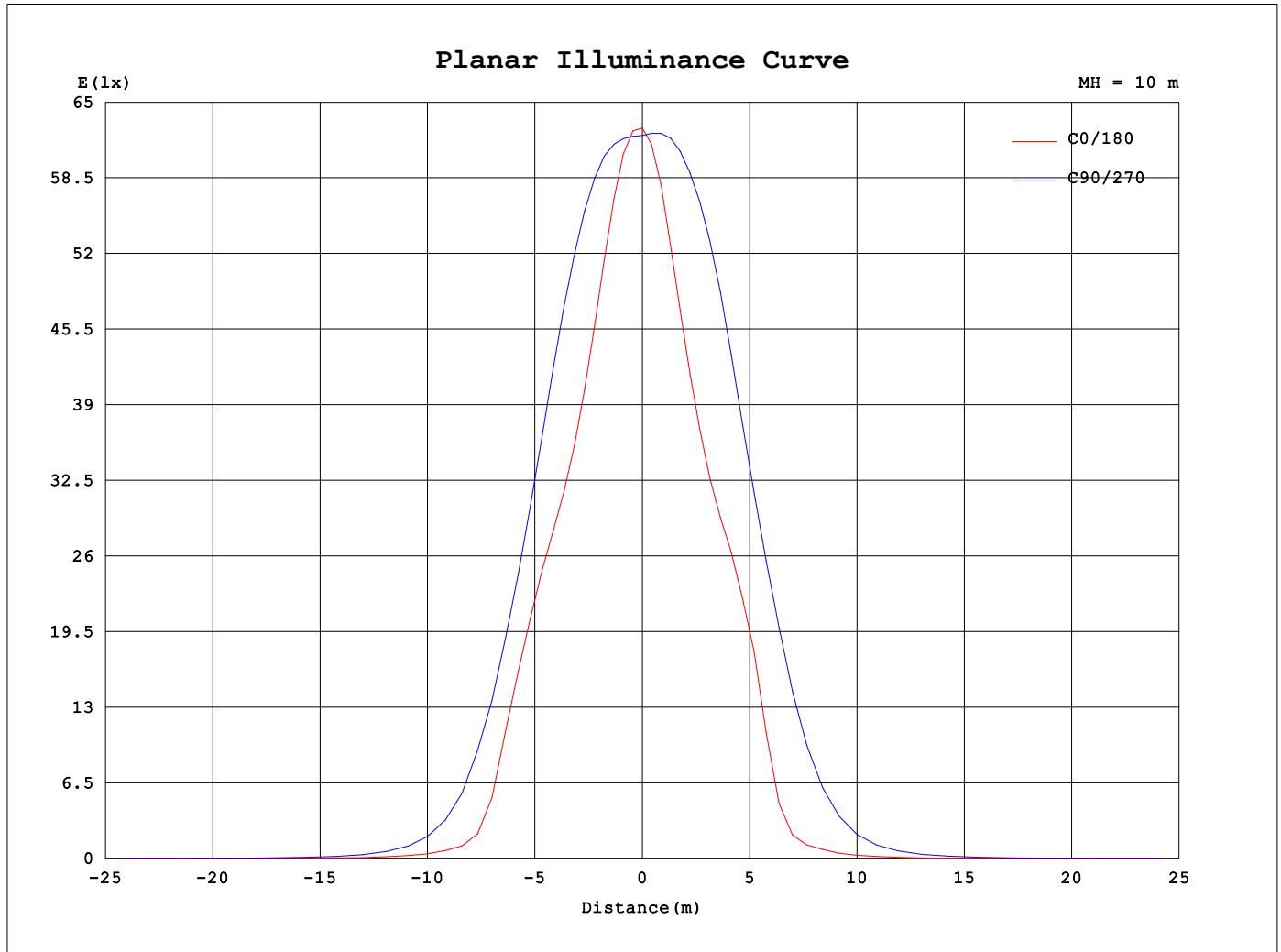
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 Remarks:

Planar Illuminance Curve

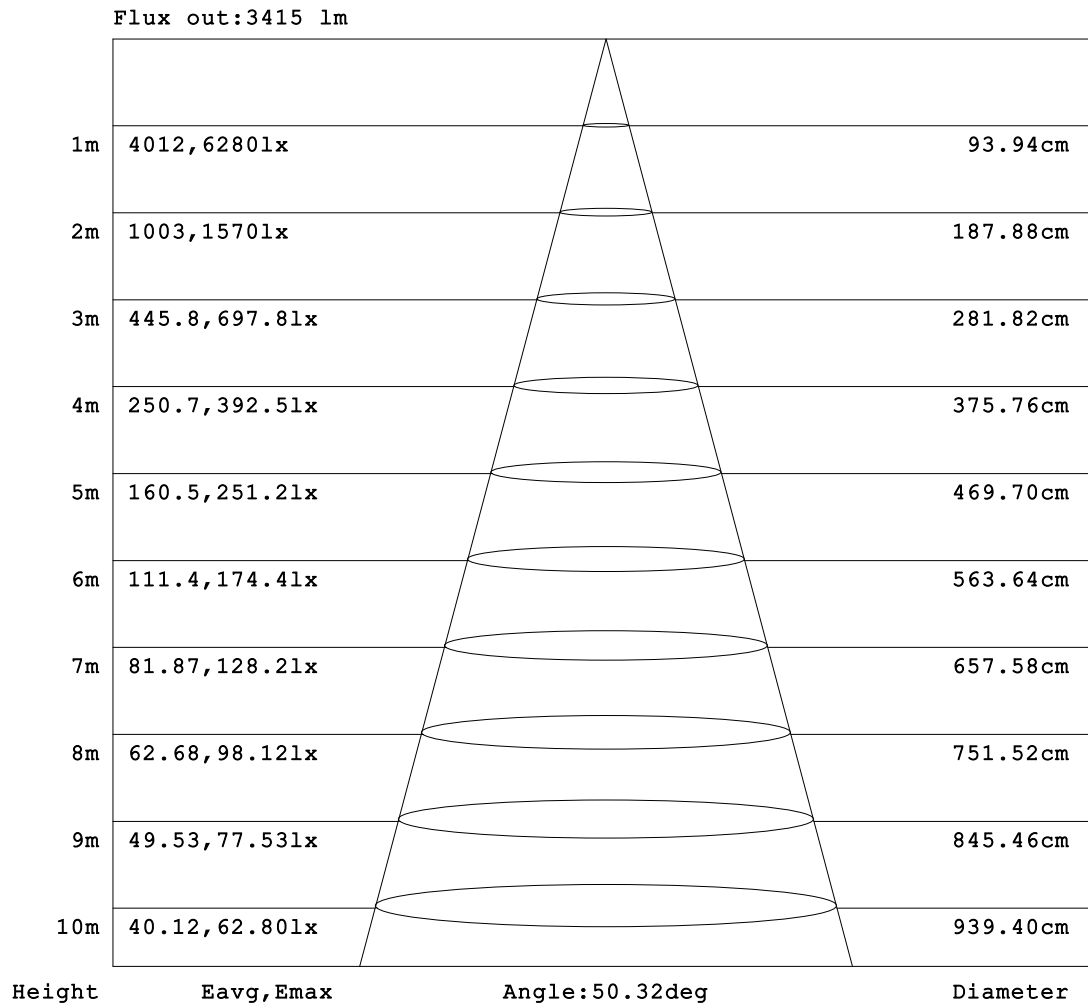


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 Humidity: 65.0%
 Test Distance: 6.265m [K=1.0000]
 Remarks:

AAI Figure

NAME: 93ZFLD6030/BL	TYPE: 93ZFLD6030/BL	WEIGHT: 1
SPEC.:	DIM.: 804 x 34 x 68	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: 24 square 20 x 20	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: 30 August 2022

γ Range: 0 - 90DEG
 γ Interval: 2.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.456
 Humidity: 65.0%
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 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: 93ZFLD6030/BL	TYPE: 93ZFLD6030/BL	WEIGHT: 1
SPEC.:	DIM.: 804 x 34 x 68	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: 24 square 20 x 20	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	0.29	0.24	0.19	0.19	0.19	0.20	0.21	0.22	0.22	0.25	0.27	0.28	0.29	0.31	0.32	0.32	0.32	0.32	0.32
-85	0.29	0.24	0.19	0.19	0.19	0.20	0.20	0.21	0.21	0.23	0.24	0.26	0.27	0.28	0.29	0.30	0.32	0.32	0.31
-80	0.29	0.24	0.19	0.19	0.19	0.19	0.20	0.21	0.23	0.24	0.25	0.29	0.34	0.35	0.35	0.39	0.42	0.43	0.44
-75	0.29	0.24	0.19	0.19	0.19	0.20	0.20	0.23	0.28	0.32	0.35	0.41	0.48	0.53	0.56	0.61	0.66	0.69	0.71
-70	0.29	0.24	0.19	0.19	0.20	0.21	0.23	0.28	0.36	0.45	0.62	1.04	1.32	1.92	2.87	4.02	5.18	6.01	6.57
-65	0.29	0.24	0.19	0.19	0.21	0.24	0.27	0.36	0.62	1.23	2.39	3.55	5.08	7.26	10.7	14.1	17.2	19.1	20.2
-60	0.29	0.24	0.20	0.19	0.23	0.27	0.34	0.61	1.85	3.57	5.43	7.78	11.1	15.9	23.6	31.7	38.3	42.3	44.5
-55	0.29	0.25	0.20	0.20	0.24	0.32	0.50	1.89	4.24	6.78	9.89	13.7	20.1	29.9	47.8	70.3	84.6	93.7	98.3
-50	0.29	0.25	0.20	0.20	0.26	0.38	1.29	4.09	7.25	10.9	15.9	23.0	35.7	61.7	110	167	197	217	229
-45	0.29	0.25	0.21	0.21	0.29	0.44	2.78	6.70	10.8	16.1	24.1	37.5	62.8	124	250	381	457	504	538
-40	0.29	0.25	0.22	0.22	0.31	1.10	4.99	9.47	14.8	22.8	35.9	60.1	117	304	668	885	1071	1174	1252
-35	0.29	0.25	0.23	0.24	0.35	1.91	7.06	12.3	19.3	30.6	51.1	89.0	224	707	1338	1750	2038	2284	2474
-30	0.29	0.26	0.23	0.25	0.37	3.50	8.99	15.0	23.9	39.1	68.8	134	371	1282	2129	2621	3065	3473	3775
-25	0.29	0.26	0.24	0.27	0.60	4.91	10.7	17.6	28.1	47.7	88.7	193	620	1881	2848	3356	3925	4486	4876
-20	0.29	0.26	0.25	0.28	0.90	6.05	12.2	19.6	32.1	56.5	110	232	843	2381	3333	3873	4537	5244	5728
-15	0.29	0.27	0.26	0.30	1.14	6.94	13.3	21.5	35.8	64.9	127	261	1132	2744	3562	4092	4830	5642	6180
-10	0.29	0.27	0.27	0.30	1.33	7.56	14.0	22.8	38.7	71.6	148	322	1344	2862	3586	4105	4878	5741	6323
-5	0.29	0.28	0.27	0.31	1.47	7.91	14.4	23.6	41.0	78.3	166	344	1502	2906	3515	4030	4814	5697	6260
0	0.29	0.28	0.28	0.31	1.53	8.01	14.4	23.8	41.8	81.2	175	369	1670	3013	3533	4094	4935	5854	6280
5	0.29	0.28	0.28	0.32	1.53	7.94	14.4	23.6	41.4	82.6	166	365	1667	3008	3588	4146	4953	5819	6305
10	0.29	0.28	0.28	0.32	1.45	7.63	14.0	22.9	39.4	78.4	152	356	1527	2992	3657	4192	4992	5840	6367
15	0.29	0.28	0.28	0.32	1.28	7.07	13.2	21.5	36.7	69.0	135	287	1311	2847	3635	4171	4928	5748	6264
20	0.29	0.28	0.29	0.31	1.02	6.27	12.1	19.7	33.0	59.4	116	251	947	2536	3430	3984	4688	5413	5872
25	0.29	0.28	0.29	0.31	0.67	5.25	10.8	17.8	28.9	50.0	95.7	196	718	1990	2947	3468	4063	4668	5027
30	0.29	0.28	0.29	0.31	0.38	3.91	9.28	15.3	24.6	40.9	76.1	160	434	1401	2253	2751	3211	3683	3946
35	0.29	0.28	0.29	0.31	0.36	2.42	7.50	12.7	19.8	31.9	54.7	98.7	278	877	1477	1875	2180	2463	2613
40	0.29	0.28	0.28	0.30	0.33	1.42	5.53	9.85	15.2	23.8	38.5	66.5	136	366	781	996	1181	1308	1365
45	0.29	0.28	0.28	0.30	0.31	0.43	3.35	7.06	11.1	16.8	25.7	40.8	70.2	177	317	443	524	569	591
50	0.29	0.28	0.28	0.29	0.30	0.35	1.57	4.43	7.55	11.4	16.7	24.5	39.6	68.7	120	189	225	241	247
55	0.29	0.28	0.28	0.29	0.29	0.30	0.51	2.13	4.51	7.08	10.3	14.3	21.6	33.4	54.6	80.3	96.7	105	107
60	0.29	0.29	0.28	0.29	0.29	0.29	0.33	0.66	2.04	3.77	5.60	8.02	11.7	17.2	26.2	36.0	43.9	47.8	49.0
65	0.29	0.29	0.28	0.29	0.29	0.29	0.31	0.34	0.61	1.35	2.49	3.68	5.37	7.76	11.6	15.6	19.5	21.3	22.1
70	0.29	0.29	0.28	0.29	0.29	0.29	0.30	0.31	0.31	0.38	0.61	1.07	1.46	2.18	3.25	4.71	6.26	7.07	7.53
75	0.29	0.29	0.28	0.29	0.29	0.29	0.30	0.30	0.30	0.31	0.33	0.33	0.35	0.38	0.38	0.38	0.38	0.42	0.46
80	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.30	0.30	0.31	0.31	0.32	0.32	0.33	0.33	0.33	0.33	0.35	0.36
85	0.29	0.29	0.29	0.29	0.30	0.30	0.29	0.31	0.32	0.31	0.31	0.32	0.34	0.33	0.33	0.34	0.35	0.35	0.35
90	0.29	0.29	0.30	0.30	0.30	0.31	0.31	0.32	0.33	0.34	0.35	0.37	0.38	0.38	0.39	0.39	0.39	0.39	0.39

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:30 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: 93ZFLD6030/BL	TYPE: 93ZFLD6030/BL	WEIGHT: 1
SPEC.:	DIM.: 804 x 34 x 68	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: 24 square 20 x 20	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	0.31	0.31	0.30	0.29	0.28	0.27	0.24	0.22	0.21	0.21	0.20	0.19	0.19	0.19	0.19	0.18	0.18	0.19	
-85	0.32	0.33	0.31	0.29	0.30	0.31	0.27	0.24	0.24	0.23	0.21	0.19	0.19	0.20	0.19	0.18	0.18	0.19	
-80	0.45	0.45	0.44	0.42	0.42	0.41	0.37	0.33	0.31	0.29	0.24	0.20	0.20	0.20	0.19	0.18	0.19	0.19	
-75	0.73	0.74	0.81	0.84	0.84	0.75	0.64	0.58	0.45	0.37	0.30	0.24	0.23	0.21	0.19	0.18	0.19	0.19	
-70	7.01	7.06	6.37	5.41	4.09	3.12	2.54	1.88	1.28	0.64	0.41	0.30	0.26	0.23	0.19	0.18	0.19	0.19	
-65	20.9	20.7	19.0	15.8	11.4	8.56	6.38	4.86	3.43	2.14	0.98	0.39	0.31	0.25	0.21	0.18	0.19	0.19	
-60	46.3	46.3	43.7	35.2	24.5	17.4	12.4	9.13	6.78	4.71	2.70	0.91	0.38	0.28	0.21	0.19	0.19	0.19	
-55	102	103	98.9	75.4	51.4	32.5	21.5	15.7	11.3	7.99	5.19	2.54	0.64	0.32	0.23	0.19	0.19	0.19	
-50	237	237	226	176	117	64.3	37.5	24.9	17.2	12.0	8.08	4.71	1.50	0.37	0.24	0.20	0.19	0.19	
-45	552	549	508	434	271	129	66.3	38.3	25.0	16.9	11.3	7.04	3.01	0.50	0.26	0.21	0.19	0.19	
-40	1278	1245	1135	992	694	327	120	60.8	35.3	22.5	14.8	9.35	4.77	0.74	0.28	0.21	0.20	0.19	
-35	2483	2345	2087	1782	1388	641	181	87.7	47.4	28.8	18.2	11.6	6.46	1.64	0.30	0.22	0.20	0.19	
-30	3770	3512	3045	2615	2047	1120	322	118	61.0	35.4	21.6	13.7	7.97	2.39	0.34	0.23	0.20	0.19	
-25	4849	4468	3858	3307	2688	1620	463	155	74.9	41.6	25.0	15.6	9.27	3.31	0.38	0.24	0.20	0.19	
-20	5675	5187	4428	3766	3129	2083	672	192	89.4	47.8	27.6	17.2	10.4	4.19	0.41	0.25	0.20	0.19	
-15	6136	5542	4673	3957	3364	2318	928	216	104	53.6	30.1	18.5	11.1	4.87	0.43	0.25	0.20	0.19	
-10	6258	5592	4679	3951	3392	2426	996	243	114	57.7	31.9	19.3	11.6	5.35	0.44	0.26	0.20	0.19	
-5	6193	5485	4555	3865	3342	2470	1003	250	120	60.1	32.8	19.7	11.9	5.60	0.44	0.26	0.21	0.19	
0	6127	5392	4480	3807	3330	2487	952	246	119	59.9	32.7	19.6	11.9	5.63	0.44	0.27	0.21	0.19	
5	6249	5585	4672	3943	3417	2591	1117	263	123	60.9	32.9	19.6	11.9	5.63	0.45	0.27	0.21	0.19	
10	6319	5690	4785	4040	3500	2610	1160	267	119	59.3	32.2	19.2	11.6	5.42	0.45	0.27	0.21	0.19	
15	6203	5625	4773	4049	3472	2494	942	241	112	55.7	30.4	18.3	11.1	5.01	0.45	0.27	0.22	0.19	
20	5800	5290	4545	3888	3277	2268	799	223	96.8	50.2	28.2	17.1	10.3	4.41	0.43	0.27	0.22	0.19	
25	5001	4588	3999	3424	2852	1814	560	175	80.9	44.0	25.7	15.6	9.26	3.65	0.40	0.27	0.22	0.19	
30	3941	3632	3197	2754	2200	1314	397	131	65.6	37.3	22.3	13.9	8.08	2.80	0.36	0.27	0.22	0.19	
35	2643	2469	2210	1921	1500	745	219	96.0	50.6	30.2	18.8	11.9	6.68	1.90	0.32	0.27	0.22	0.19	
40	1404	1349	1224	1089	779	390	137	64.5	37.5	23.4	15.1	9.60	5.10	0.85	0.32	0.27	0.23	0.19	
45	613	619	565	483	315	153	80.2	41.5	26.4	17.4	11.6	7.29	3.44	0.55	0.31	0.27	0.23	0.19	
50	258	260	241	194	135	77.5	40.8	26.7	18.1	12.4	8.25	5.00	1.74	0.35	0.30	0.27	0.23	0.19	
55	112	112	109	86.2	57.7	35.6	22.8	16.5	11.8	8.21	5.34	2.80	0.70	0.30	0.29	0.27	0.23	0.19	
60	50.7	50.4	46.9	37.9	26.8	18.8	12.9	9.44	7.01	4.86	2.86	1.03	0.31	0.29	0.29	0.27	0.23	0.19	
65	22.9	22.7	20.6	17.1	12.4	9.19	6.62	4.96	3.53	2.26	1.05	0.34	0.29	0.28	0.28	0.27	0.23	0.19	
70	8.04	8.11	7.21	6.06	4.54	3.36	2.60	1.89	1.28	0.60	0.36	0.30	0.29	0.28	0.28	0.27	0.23	0.19	
75	0.53	0.58	0.67	0.71	0.70	0.56	0.48	0.47	0.36	0.29	0.30	0.29	0.28	0.28	0.28	0.28	0.23	0.19	
80	0.35	0.33	0.33	0.33	0.32	0.31	0.31	0.31	0.30	0.29	0.29	0.29	0.28	0.28	0.28	0.28	0.23	0.19	
85	0.35	0.34	0.33	0.32	0.32	0.31	0.31	0.30	0.30	0.29	0.29	0.29	0.28	0.28	0.28	0.28	0.23	0.19	
90	0.39	0.38	0.36	0.34	0.34	0.33	0.32	0.30	0.30	0.30	0.29	0.29	0.28	0.28	0.28	0.28	0.23	0.19	

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3°C

Operators:

Test Date:30 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: