

Floodlight Summary:

Report based on lamp delivering 1000 lumens.

Maximum Intensity	1010.0 cd per klm.
(Luminaire orientation as tested.)	0.0 degrees vertical
	-10.0 degrees horizontal

Beam Spread	At 10% of Imax	70.3V x 89.3H
	At 50% of Imax	48.8V x 66.0H
	At 90% of Imax	13.2V x 43.5H

Beam Flux	Total	862.6 lumens per klm.
	To 10% of Imax	819.2 lumens per klm.
	To 50% of Imax	597.5 lumens per klm.
	To 90% of Imax	143.4 lumens per klm.

Upward LOR	0.0 %
Downward LOR	86.3 %

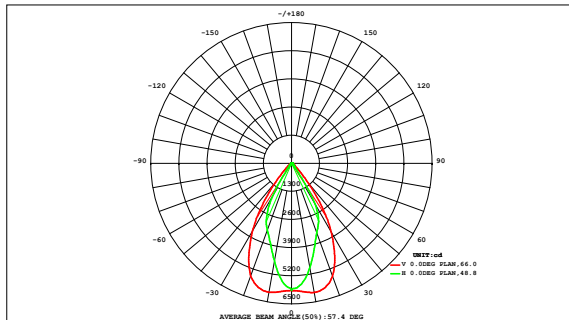
Luminaire Efficiency (Light Output Ratio)	86.2 %
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C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators:
Test Date: 31 August 2022

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: 93PFLD6030/BL	TYPE: 93PFLD6030/BL	WEIGHT: 1
SPEC.:	DIM.: 270 x 105 x 40	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: 24 square 20 x 20	Shielding Angle:



DATA OF LAMP		PHOTOMETRIC DATA	
MODEL	93PFLD6030/BL	Imax (cd)	6060
NOMINAL POWER (W)	60	AVAILABILITY (%)	81.8
RATED VOLTAGE (V)	230	Avai. FLUX (lm)	4906
NOMINAL FLUX (lm)	6000	LOR (%)	86.2
LAMPS INSIDE	1	TOTAL FLUX (lm)	5171
TEST VOLTAGE (V)	230	θ @50% (H,V)	66,49DEG

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	0.00	0.00	0.00	0.00	0.10	0.00
90	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	0.00	0.00	0.00	0.00	0.15	0.00
80	0.00	0.00	0.00	0.01	0.06	0.13	0.23	0.30	0.33	0.33	0.30	0.22	0.13	0.05	0.01	0.00	0.00	0.00	2.12	0.00
70	0.00	0.00	0.01	0.08	0.26	0.52	0.80	0.99	1.05	1.05	0.98	0.79	0.50	0.25	0.08	0.01	0.00	0.00	7.37	0.00
60	0.00	0.00	0.04	0.27	0.74	1.54	2.52	3.16	3.34	3.30	3.04	2.38	1.47	0.72	0.26	0.04	0.00	0.00	22.8	0.00
50	0.00	0.00	0.11	0.65	2.31	7.71	16.2	21.1	21.7	21.5	20.6	15.5	7.10	2.18	0.63	0.11	0.00	0.00	137	87.4
40	0.00	0.01	0.21	1.23	6.14	27.1	61.3	82.5	83.2	82.3	80.5	59.3	25.9	5.91	1.22	0.21	0.01	0.00	517	499
30	0.00	0.01	0.29	1.81	10.3	45.5	94.2	121	121	120	119	91.7	43.7	9.94	1.79	0.30	0.01	0.00	780	764
20	0.00	0.01	0.34	2.20	13.3	58.5	121	161	166	163	158	119	56.2	12.7	2.17	0.35	0.02	0.00	1034	1020
10	0.00	0.02	0.35	2.25	13.5	59.6	123	164	169	169	164	123	58.4	13.1	2.24	0.36	0.02	0.00	1062	1047
0	0.00	0.01	0.31	1.89	10.7	47.2	98.0	127	128	127	127	98.0	46.5	10.6	1.95	0.32	0.01	0.00	824	808
-10	0.00	0.01	0.23	1.32	6.62	29.9	66.3	89.0	90.3	90.0	88.8	66.4	29.5	6.54	1.36	0.24	0.01	0.00	566	550
-20	0.00	0.01	0.13	0.71	2.67	9.36	20.3	27.1	28.5	28.9	26.7	20.1	9.21	2.66	0.74	0.14	0.01	0.00	177	131
-30	0.00	0.00	0.05	0.32	0.84	1.79	3.01	3.69	4.01	4.00	3.66	2.98	1.78	0.85	0.33	0.05	0.00	0.00	27.4	0.00
-40	0.00	0.00	0.01	0.11	0.31	0.61	0.93	1.15	1.22	1.23	1.15	0.93	0.61	0.32	0.11	0.01	0.00	0.00	8.73	0.00
-50	0.00	0.00	0.01	0.02	0.09	0.18	0.29	0.39	0.43	0.43	0.39	0.29	0.18	0.08	0.02	0.01	0.00	0.00	2.82	0.00
-60	0.00	0.00	0.00	0.01	0.01	0.02	0.03	0.03	0.04	0.04	0.03	0.03	0.02	0.01	0.01	0.00	0.00	0.00	0.28	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	0.08	0.00
-80	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	0.01	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	0.02	0.10	2.12	12.9	67.8	290	609	802	817	813	794	601	281	65.8	12.9	2.16	0.11	0.02	5171	---
Φ a	0.00	0.00	0.00	0.00	28.2	270	591	783	797	792	775	583	262	25.1	0.00	0.00	0.00	0.00	---	4906

one-half-peak spread: U:25.5,D:23.7 , L:23.3,R:23.0

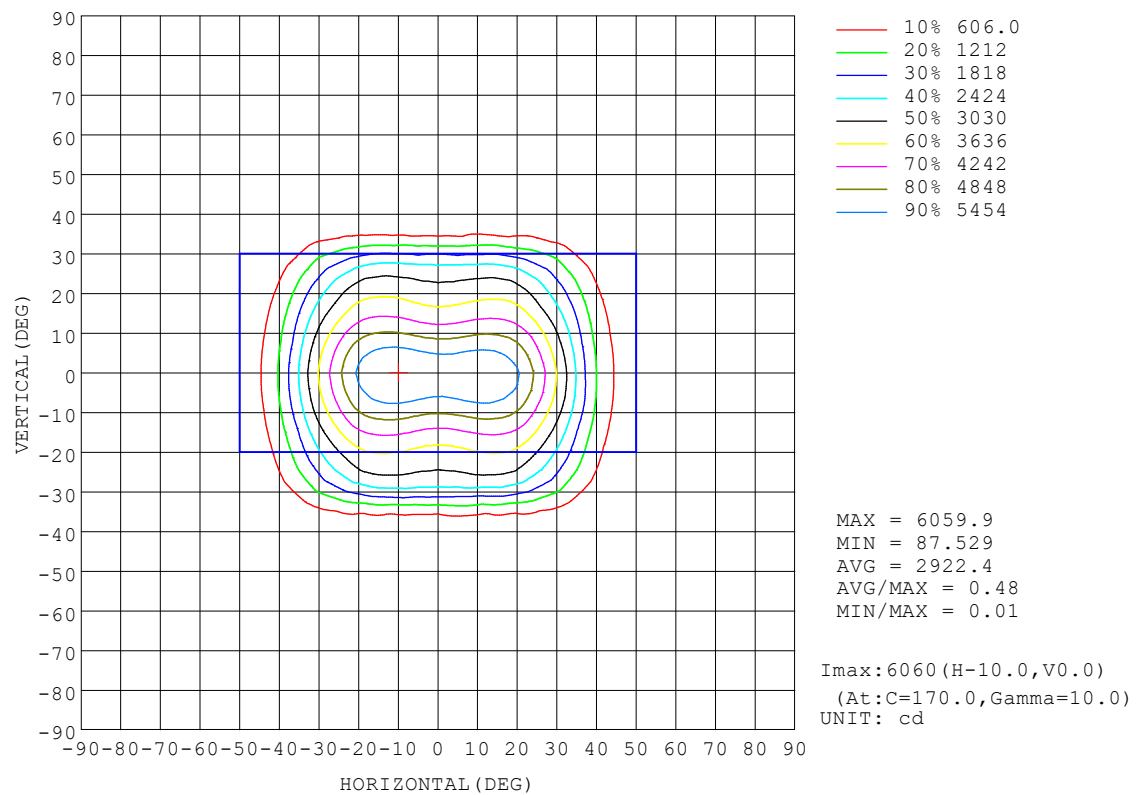
NEMA Beam Type: Type 5

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:31 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: 93PFLD6030/BL	TYPE: 93PFLD6030/BL	WEIGHT: 1
SPEC.:	DIM.: 270 x 105 x 40	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: 24 square 20 x 20	Shielding Angle:

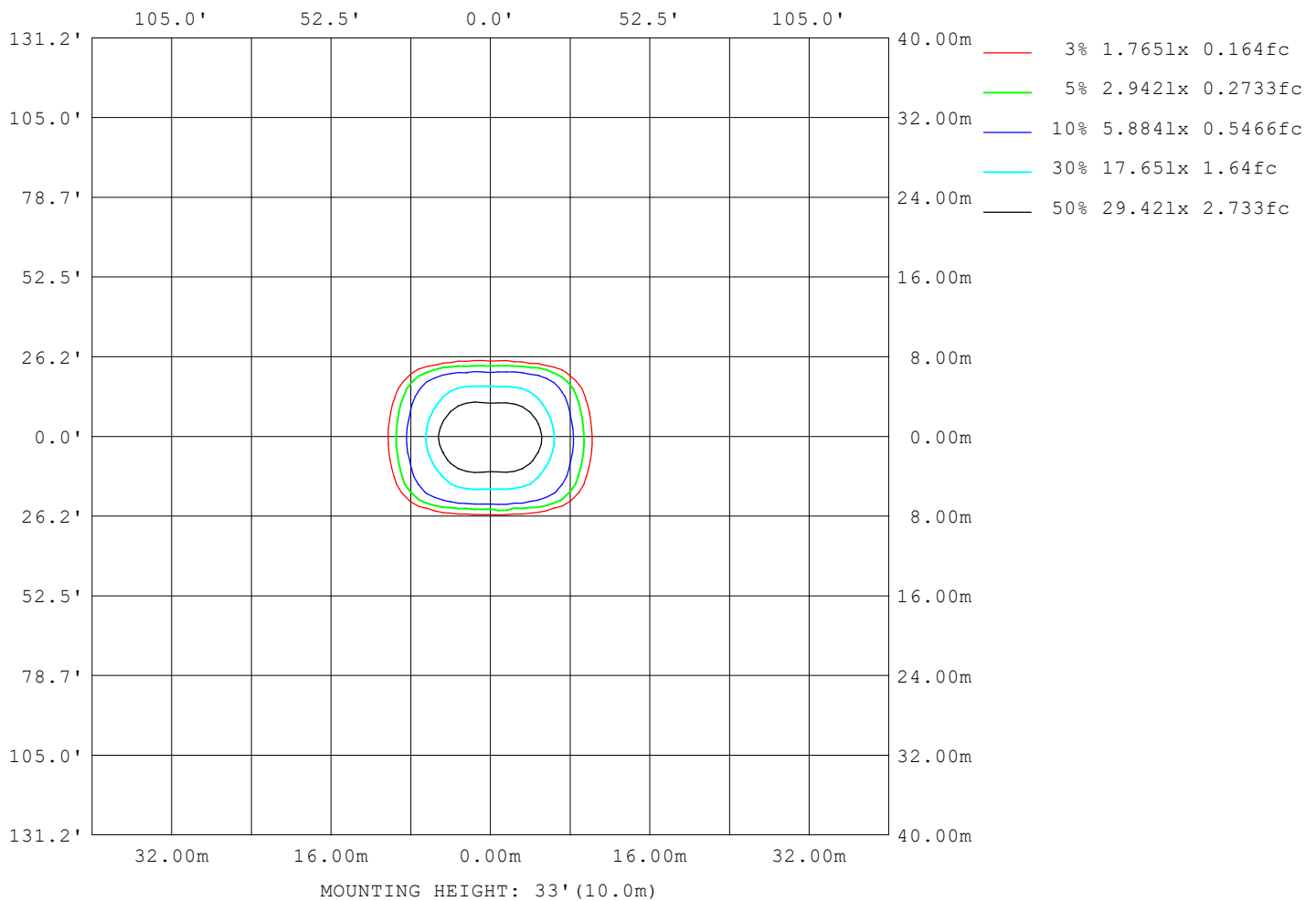


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 Operators:
 Test Date:31 August 2022

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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

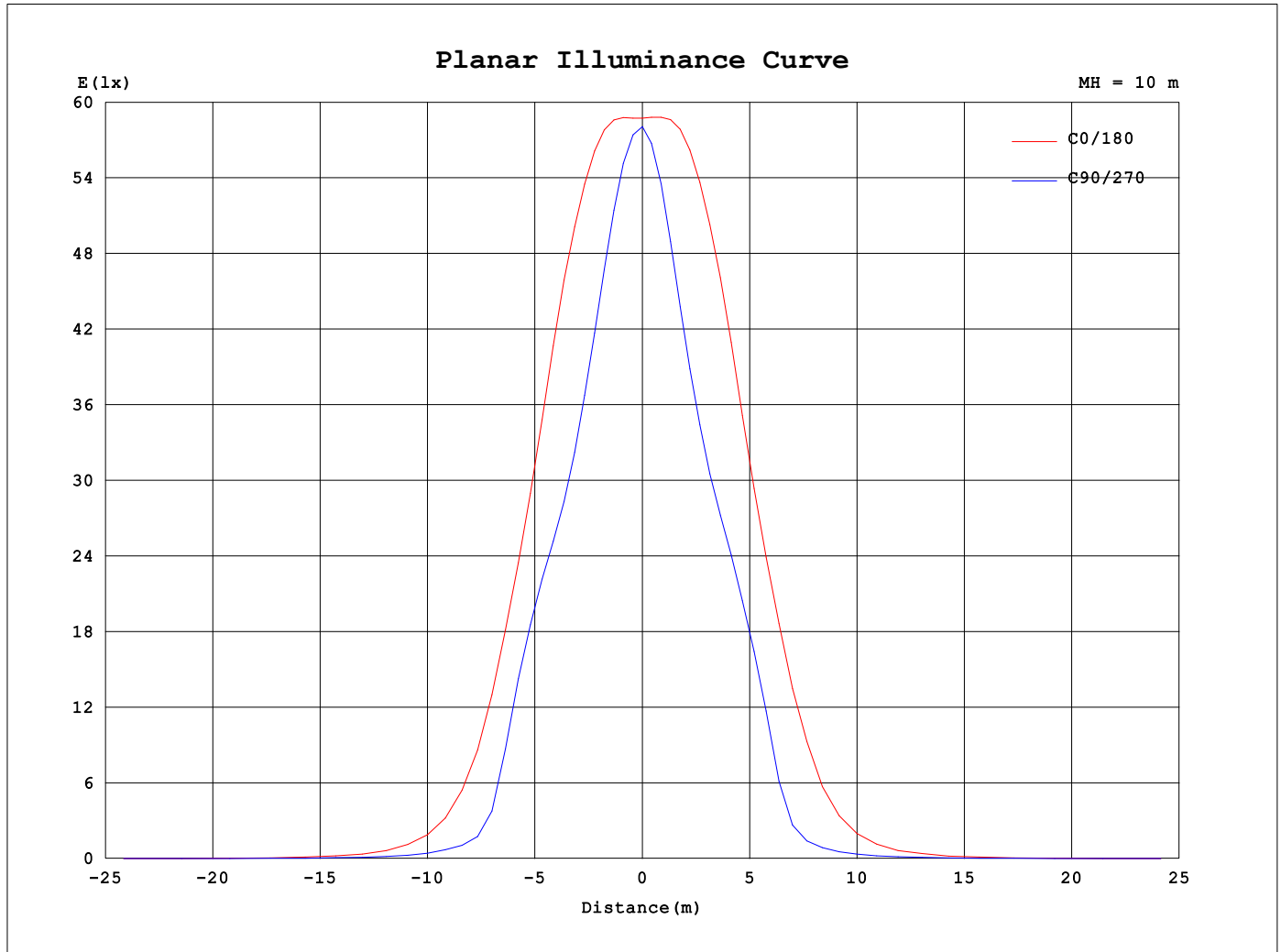
NAME: 93PFLD6030/BL	TYPE: 93PFLD6030/BL	WEIGHT: 1
SPEC.:	DIM.: 270 x 105 x 40	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: 24 square 20 x 20	Shielding Angle:



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

Planar Illuminance Curve

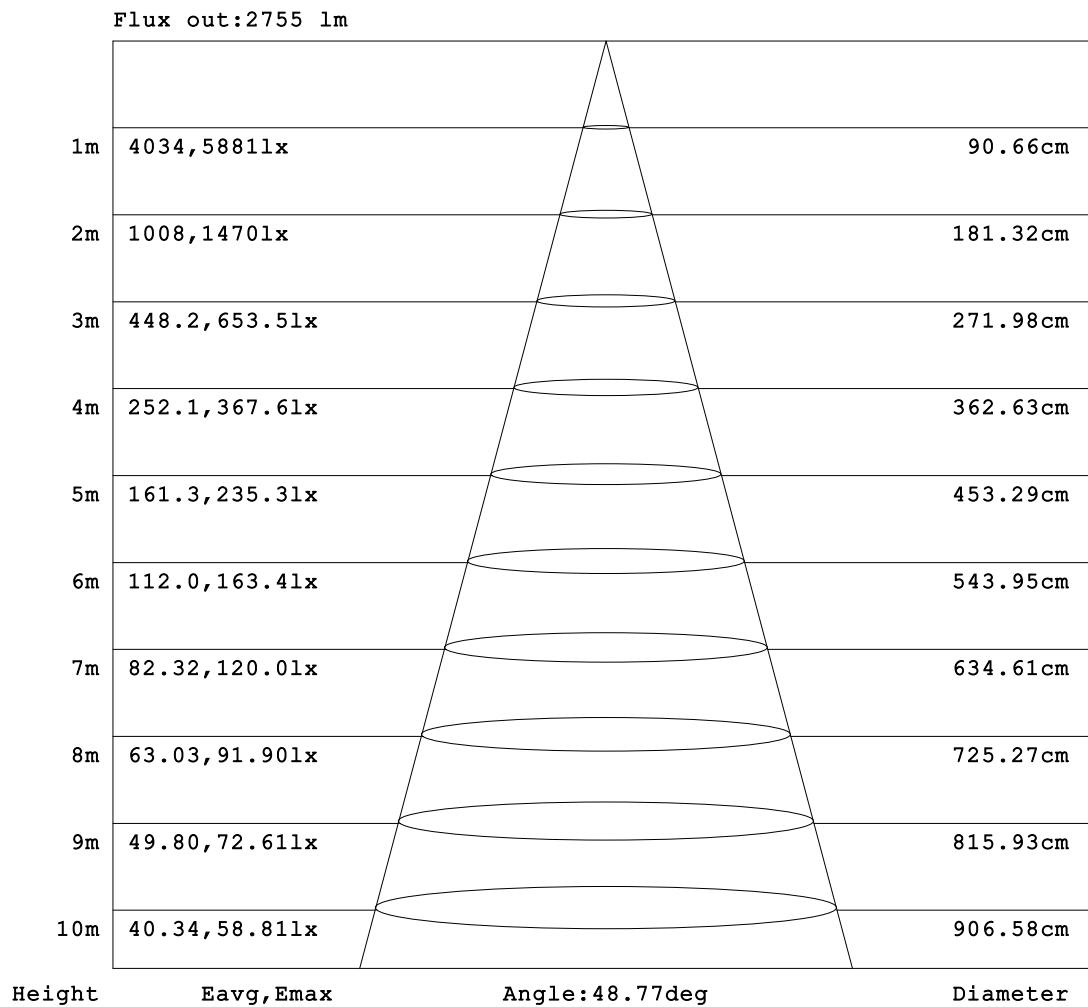


C Range: 0 - 360DEG
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 Test Speed: HIGH
 Temperature: 25.3°C
 Operators:
 Test Date: 31 August 2022

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: 93PFLD6030/BL	TYPE: 93PFLD6030/BL	WEIGHT: 1
SPEC.:	DIM.: 270 x 105 x 40	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: 31 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: 93PFLD6030/BL	TYPE: 93PFLD6030/BL	WEIGHT: 1
SPEC.:	DIM.: 270 x 105 x 40	SERIAL No.: 0
MFR.: Elmark Industries JSC	SUR.: 24 square 20 x 20	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	0.37	0.32	0.27	0.27	0.27	0.25	0.24	0.23	0.23	0.21	0.20	0.20	0.20	0.19	0.19	0.19	0.19	0.19	0.19
-85	0.37	0.32	0.27	0.27	0.27	0.26	0.24	0.24	0.25	0.23	0.21	0.21	0.22	0.21	0.19	0.20	0.21	0.20	0.19
-80	0.37	0.32	0.27	0.27	0.28	0.27	0.26	0.28	0.30	0.29	0.28	0.29	0.30	0.28	0.26	0.27	0.28	0.28	0.27
-75	0.37	0.32	0.28	0.28	0.30	0.31	0.32	0.36	0.40	0.42	0.43	0.44	0.51	0.51	0.45	0.46	0.47	0.46	0.44
-70	0.37	0.32	0.28	0.29	0.34	0.38	0.41	0.48	0.64	1.16	1.64	2.36	2.94	3.63	4.42	5.01	5.36	5.56	5.49
-65	0.37	0.32	0.29	0.32	0.38	0.45	0.52	0.97	2.15	3.59	5.30	6.91	8.64	10.3	12.0	13.1	13.6	13.9	13.8
-60	0.37	0.32	0.29	0.34	0.43	0.54	0.91	2.73	5.23	7.82	10.6	13.6	16.5	19.2	21.5	22.9	23.4	23.6	23.4
-55	0.37	0.33	0.31	0.37	0.50	0.72	2.53	5.98	9.93	13.9	18.5	23.4	28.1	32.5	35.6	37.6	38.2	38.4	38.1
-50	0.37	0.33	0.32	0.41	0.57	1.50	5.48	10.8	16.5	22.7	29.8	38.6	47.4	54.9	60.2	63.4	65.0	65.5	65.3
-45	0.37	0.33	0.33	0.44	0.67	2.96	9.63	17.3	25.8	36.2	48.1	65.7	81.6	97.0	108	115	120	121	121
-40	0.37	0.33	0.34	0.48	0.89	5.91	14.7	26.2	40.0	60.2	91.9	130	190	217	217	235	242	237	236
-35	0.37	0.33	0.35	0.51	1.77	9.04	20.9	37.8	64.2	109	190	313	497	626	710	760	784	722	689
-30	0.37	0.34	0.36	0.53	2.50	12.6	27.4	51.9	96.9	190	373	714	1242	1627	1969	2173	2215	2179	2196
-25	0.37	0.34	0.37	0.54	3.90	15.8	34.1	69.3	135	269	597	1185	1874	2452	2947	3122	3128	3032	2979
-20	0.37	0.34	0.37	0.54	5.34	19.1	40.7	82.5	173	365	794	1541	2371	3011	3507	3676	3638	3515	3417
-15	0.37	0.34	0.37	0.53	6.41	21.4	46.3	94.7	209	443	970	1851	2820	3574	4150	4347	4331	4182	4080
-10	0.37	0.35	0.37	0.51	7.11	22.9	49.8	104	231	506	1136	2173	3237	4118	4812	5096	5120	4983	4895
-5	0.37	0.35	0.36	0.48	7.44	23.7	51.6	109	242	551	1242	2379	3541	4528	5299	5668	5759	5659	5580
0	0.37	0.35	0.36	0.45	7.40	23.7	51.8	110	244	562	1271	2456	3682	4724	5555	5954	6060	5949	5876
5	0.37	0.35	0.36	0.45	7.20	23.4	51.1	108	240	543	1221	2334	3486	4457	5219	5572	5648	5529	5416
10	0.37	0.35	0.36	0.44	6.66	22.2	48.8	102	223	494	1102	2102	3143	3980	4618	4860	4863	4709	4585
15	0.37	0.35	0.36	0.43	5.78	20.4	44.8	91.9	198	429	937	1817	2715	3419	3959	4131	4097	3932	3818
20	0.37	0.35	0.35	0.41	4.56	17.8	38.9	77.2	170	350	748	1455	2258	2908	3388	3542	3517	3384	3285
25	0.37	0.35	0.35	0.40	3.03	14.4	32.1	63.7	132	249	533	1063	1714	2279	2725	2905	2901	2818	2748
30	0.37	0.35	0.35	0.38	1.64	11.1	25.3	48.5	89.7	163	320	598	1063	1361	1652	1832	1816	1720	1802
35	0.37	0.35	0.35	0.37	1.12	7.57	18.8	34.6	56.6	101	158	256	397	469	543	564	561	521	485
40	0.37	0.35	0.34	0.36	0.52	4.58	12.7	23.3	35.6	54.2	80.4	111	145	175	191	196	202	201	196
45	0.37	0.35	0.34	0.35	0.38	1.83	7.83	14.8	22.2	31.9	42.6	57.3	69.8	83.0	93.7	101	101	101	98.9
50	0.37	0.35	0.34	0.35	0.35	0.86	3.95	8.56	13.8	19.6	26.0	33.5	40.9	47.4	51.8	54.1	55.6	55.7	54.9
55	0.37	0.35	0.34	0.34	0.34	0.37	1.46	4.18	7.72	11.4	15.6	19.8	24.1	28.1	30.7	32.5	33.2	33.2	32.6
60	0.37	0.35	0.34	0.33	0.33	0.33	0.43	1.54	3.58	5.86	8.30	11.1	13.7	16.1	18.1	19.5	20.2	20.2	19.8
65	0.37	0.35	0.34	0.33	0.33	0.33	0.34	0.47	1.15	2.17	3.51	4.87	6.46	7.85	9.20	10.2	10.8	10.9	10.7
70	0.37	0.36	0.34	0.33	0.33	0.33	0.33	0.33	0.36	0.54	0.68	1.12	1.28	1.70	2.14	2.41	2.41	2.30	2.04
75	0.37	0.36	0.34	0.33	0.33	0.32	0.32	0.32	0.30	0.31	0.33	0.33	0.32	0.34	0.36	0.35	0.34	0.36	0.38
80	0.37	0.36	0.34	0.34	0.34	0.32	0.32	0.31	0.30	0.30	0.31	0.30	0.29	0.30	0.31	0.29	0.28	0.30	0.32
85	0.37	0.36	0.35	0.35	0.35	0.33	0.32	0.31	0.31	0.30	0.30	0.29	0.29	0.29	0.29	0.28	0.28	0.28	0.29
90	0.37	0.37	0.36	0.37	0.37	0.35	0.34	0.34	0.34	0.32	0.31	0.31	0.31	0.30	0.29	0.29	0.29	0.29	0.28

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: 93PFLD6030/BL	TYPE: 93PFLD6030/BL	WEIGHT: 1
SPEC.:	DIM.: 270 x 105 x 40	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	0.19	0.19	0.19	0.19	0.20	0.20	0.21	0.22	0.22	0.23	0.25	0.26	0.27	0.27	0.28	0.28	0.28	0.28	
-85	0.20	0.21	0.20	0.19	0.21	0.22	0.22	0.22	0.24	0.25	0.25	0.25	0.27	0.28	0.28	0.28	0.28	0.28	
-80	0.28	0.28	0.27	0.26	0.28	0.30	0.29	0.28	0.29	0.30	0.28	0.27	0.28	0.29	0.28	0.28	0.28	0.28	
-75	0.45	0.46	0.45	0.44	0.49	0.50	0.43	0.42	0.41	0.39	0.35	0.31	0.31	0.30	0.29	0.28	0.28	0.28	
-70	5.57	5.38	5.01	4.39	3.57	2.86	2.28	1.55	1.09	0.62	0.47	0.40	0.37	0.33	0.29	0.28	0.28	0.28	
-65	13.9	13.7	13.1	12.0	10.3	8.63	6.88	5.26	3.53	2.07	0.93	0.51	0.44	0.37	0.31	0.28	0.28	0.28	
-60	23.7	23.5	23.1	21.6	19.2	16.6	13.7	10.7	7.87	5.24	2.67	0.87	0.53	0.42	0.33	0.29	0.28	0.28	
-55	38.5	38.3	37.8	35.6	32.5	28.2	23.6	18.8	14.1	10.1	6.04	2.46	0.68	0.49	0.37	0.30	0.29	0.28	
-50	65.5	65.0	63.3	60.0	54.7	47.3	38.8	30.1	23.2	17.0	11.1	5.50	1.43	0.55	0.40	0.32	0.29	0.28	
-45	121	120	115	108	96.0	80.8	65.4	48.3	36.8	26.5	17.9	9.85	2.83	0.64	0.44	0.33	0.29	0.28	
-40	236	240	233	215	214	187	128	91.4	60.9	41.1	27.1	15.2	5.92	0.86	0.48	0.35	0.29	0.28	
-35	860	800	748	702	617	489	308	187	109	65.6	39.1	21.7	9.21	1.67	0.52	0.37	0.30	0.28	
-30	2162	2128	2143	1963	1618	1227	701	365	189	98.8	53.7	28.5	13.0	2.34	0.57	0.39	0.30	0.28	
-25	3021	3120	3122	2959	2460	1860	1171	584	267	137	71.6	35.5	16.4	3.83	0.62	0.40	0.30	0.28	
-20	3502	3619	3674	3520	3028	2359	1522	775	361	176	85.4	42.4	19.9	5.40	0.66	0.42	0.31	0.28	
-15	4159	4297	4326	4143	3577	2800	1821	946	439	213	98.2	48.2	22.3	6.57	0.70	0.43	0.31	0.28	
-10	4961	5092	5075	4800	4108	3213	2142	1113	500	233	107	51.8	23.9	7.34	0.73	0.45	0.31	0.28	
-5	5650	5768	5680	5314	4539	3519	2331	1203	536	243	112	53.6	24.8	7.72	0.75	0.45	0.31	0.28	
0	5948	6054	5938	5535	4679	3615	2368	1208	539	243	112	53.7	24.8	7.72	0.76	0.46	0.31	0.28	
5	5447	5544	5480	5131	4369	3393	2236	1159	520	237	109	52.4	24.1	7.40	0.71	0.45	0.31	0.28	
10	4652	4781	4775	4533	3903	3044	2014	1047	473	219	102	49.5	22.6	6.73	0.65	0.43	0.31	0.28	
15	3899	4030	4052	3881	3327	2616	1745	894	413	195	91.7	44.9	20.5	5.72	0.59	0.42	0.31	0.28	
20	3355	3450	3483	3311	2817	2172	1398	716	339	167	76.8	38.6	17.6	4.40	0.53	0.40	0.31	0.28	
25	2786	2840	2837	2652	2208	1649	1024	511	241	130	63.0	31.7	14.0	2.78	0.47	0.38	0.31	0.28	
30	1697	1756	1769	1577	1313	1007	559	301	155	87.5	47.7	24.9	10.8	1.38	0.42	0.37	0.31	0.28	
35	509	599	525	525	444	362	231	147	95.1	55.0	33.9	18.4	7.24	0.97	0.38	0.36	0.31	0.28	
40	198	196	188	175	161	134	103	75.7	51.6	34.4	22.8	12.4	4.29	0.47	0.35	0.34	0.31	0.28	
45	99.8	99.4	97.5	90.4	79.6	66.8	54.7	41.1	30.9	21.7	14.5	7.58	1.60	0.36	0.33	0.33	0.31	0.28	
50	55.3	54.9	53.1	50.6	46.1	39.7	32.5	25.4	19.2	13.5	8.38	3.77	0.76	0.33	0.33	0.33	0.31	0.28	
55	33.0	32.8	32.0	30.2	27.6	23.6	19.4	15.3	11.3	7.60	4.09	1.35	0.34	0.32	0.32	0.32	0.30	0.28	
60	20.1	20.0	19.3	17.9	15.9	13.5	10.8	8.16	5.76	3.50	1.47	0.38	0.32	0.32	0.32	0.32	0.30	0.28	
65	10.9	10.7	10.0	9.05	7.70	6.30	4.72	3.38	2.07	1.08	0.42	0.33	0.31	0.32	0.32	0.32	0.30	0.28	
70	2.24	2.32	2.28	2.00	1.54	1.11	1.01	0.60	0.49	0.33	0.32	0.31	0.31	0.32	0.32	0.32	0.31	0.28	
75	0.36	0.33	0.34	0.34	0.32	0.31	0.31	0.32	0.30	0.30	0.30	0.31	0.31	0.32	0.33	0.32	0.31	0.28	
80	0.30	0.28	0.29	0.30	0.30	0.29	0.29	0.29	0.29	0.30	0.30	0.31	0.32	0.33	0.33	0.33	0.31	0.28	
85	0.28	0.28	0.28	0.29	0.29	0.29	0.29	0.29	0.30	0.31	0.31	0.31	0.33	0.34	0.34	0.34	0.32	0.28	
90	0.28	0.29	0.29	0.29	0.30	0.30	0.30	0.31	0.32	0.33	0.33	0.34	0.35	0.35	0.35	0.35	0.32	0.28	

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:
Test Date:31 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: