

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: NEO-RAY

Report Number: P888273

Luminaire Tested: **DPT5-6FO55-61V60-A-XX-UDD_2700K**

Issue Date: 10/24/2024

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P888273
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (DEFINE LENGTH SCALING TOOL)
Test Lab: INNOVATIONS CENTER
Issue Date: 10/24/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: NEO-RAY
Catalog Number: DPT5-6FO55-61V60-A-XX-UDD_2700K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

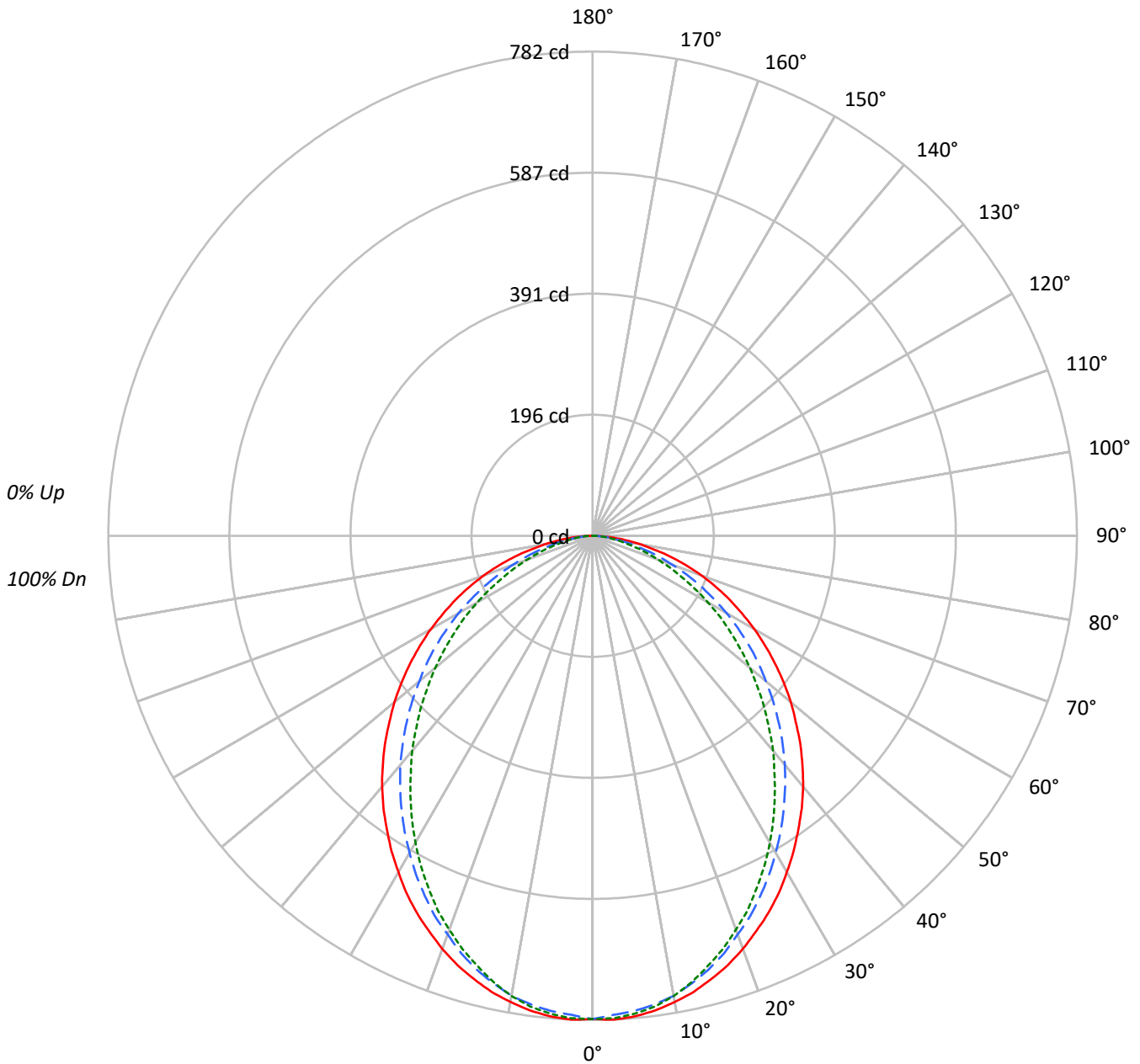
Lumens per Lamp: N/A
Luminaire Lumens: 1844.0 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 21.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85																			
2	100	92	86	80	98	90	84	79	87	82	78	84	79	76	81	77	74	72																			
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61																			
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53																			
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46																			
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41																			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36																			
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33																			
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29																			
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4985	4985	4985
5°	4996	4939	4969
10°	4958	4893	4893
15°	4900	4793	4755
20°	4823	4655	4600
25°	4735	4519	4420
30°	4625	4360	4221
35°	4513	4196	3998
40°	4408	4025	3780
45°	4280	3833	3540
50°	4152	3625	3292
55°	4004	3427	3026
60°	3855	3184	2740
65°	3680	2904	2412
70°	3479	2553	2080
75°	3200	2154	1732
80°	2821	1692	1456
85°	2374	1385	1297



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.5	4.0
10°-20°	205.3	11.1
20°-30°	297.7	16.1
30°-40°	339.1	18.4
40°-50°	330.5	17.9
50°-60°	278.2	15.1
60°-70°	194.9	10.6
70°-80°	99.9	5.4
80°-90°	24.9	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	576.4	31.3
0°-40°	915.5	49.6
0°-60°	1524.2	82.7
0°-90°	1844.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1844.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	780	780	780	780	780	
5°	779	777	770	776	775	74
15°	741	737	725	724	719	209
25°	672	663	641	634	627	309
35°	579	565	538	521	513	362
45°	474	457	424	401	392	365
55°	360	341	308	281	272	322
65°	244	223	192	168	160	241
75°	130	112	87	74	70	137
85°	32	22	19	18	18	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	780.5	780.5	780.5	780.5	780.5
2.5°	782.3	780.5	774.6	780.5	779.9
5°	779.3	777.0	770.5	776.3	775.1
7.5°	773.4	771.0	763.4	768.1	767.0
10°	764.6	762.8	754.5	756.4	754.5
12.5°	754.5	752.1	740.3	741.5	738.6
15°	741.1	737.4	725.0	724.4	719.2
17.5°	726.8	721.6	706.7	703.9	699.7
20°	709.7	703.9	685.0	682.0	676.8
22.5°	690.9	685.0	665.1	658.5	654.2
25°	671.9	663.1	641.3	633.7	627.2
27.5°	650.8	640.1	617.2	607.2	600.8
30°	627.2	616.1	591.2	577.8	572.4
32.5°	604.1	590.7	565.3	550.0	543.0
35°	578.9	564.8	538.2	521.2	512.8
37.5°	554.7	537.6	510.4	490.5	482.1
40°	528.8	511.1	482.8	460.4	453.4
42.5°	501.6	483.3	453.8	432.7	421.4
45°	473.9	457.0	424.4	400.9	392.0
47.5°	444.9	427.4	394.9	370.8	360.7
50°	417.9	398.5	364.9	340.2	331.3
52.5°	388.4	368.5	337.1	310.0	301.1
55°	359.6	340.7	307.8	281.2	271.8
57.5°	330.1	310.0	278.3	252.3	244.1
60°	301.8	281.2	249.3	223.4	214.5
62.5°	271.8	252.3	219.9	196.3	187.4
65°	243.5	223.4	192.2	168.5	159.6
67.5°	215.1	195.2	165.0	142.7	135.7
70°	186.3	166.2	136.7	118.4	111.4
72.5°	158.0	138.5	111.4	94.9	90.9
75°	129.7	112.0	87.3	74.4	70.2
77.5°	100.7	86.6	65.9	56.1	52.5
80°	76.7	62.5	46.0	40.7	39.6
82.5°	53.0	40.7	30.7	28.8	28.3
85°	32.4	21.8	18.9	18.3	17.7
87.5°	13.7	9.4	8.9	8.9	8.2
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)