

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: P888224

Luminaire Tested: **DPT5-6FO44-61V60-A-XX-UDD_6500K**

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: P888224
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: DPT5-6FO44-61V60-A-XX-UDD_6500K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

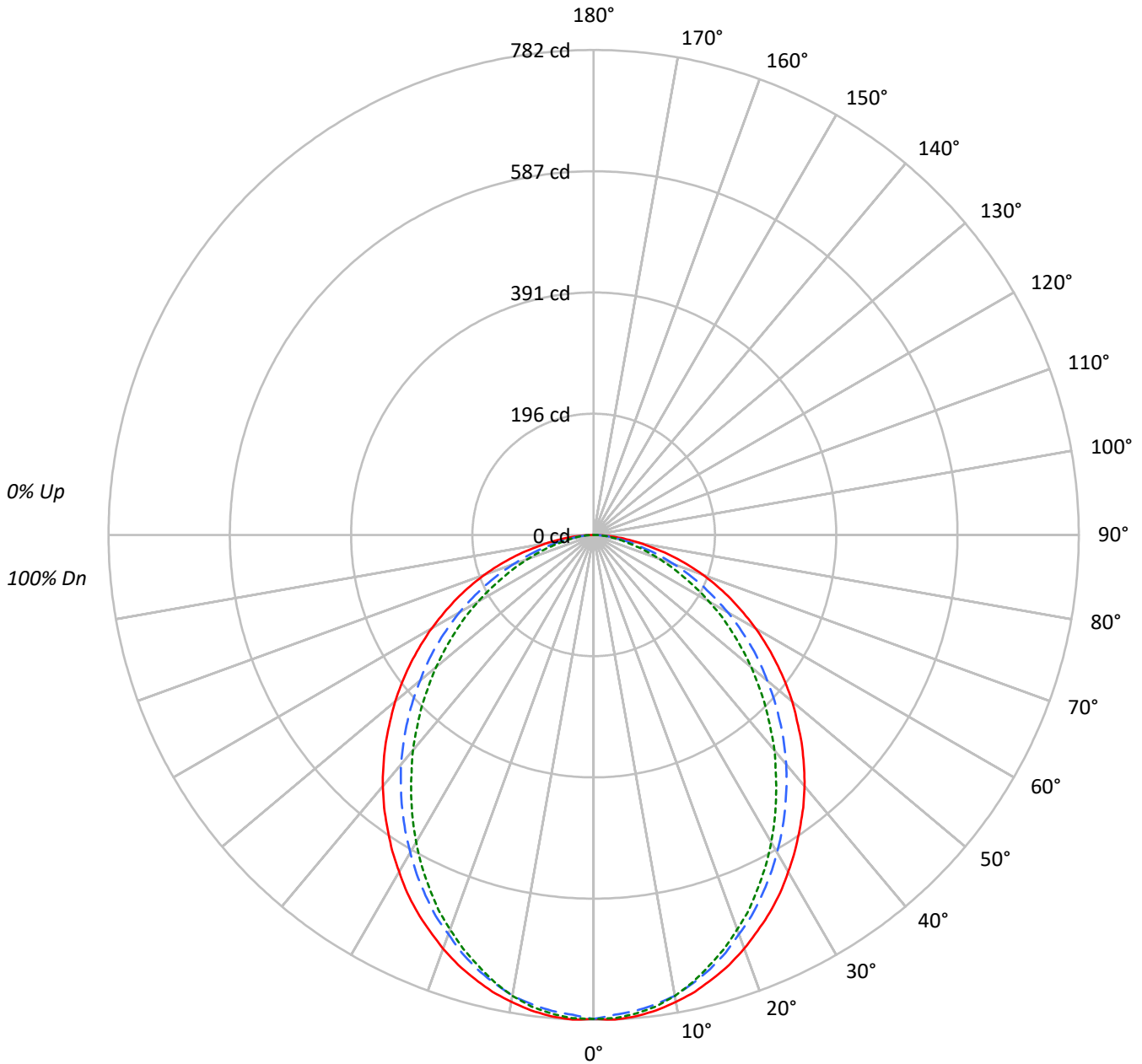
Lumens per Lamp: N/A
Luminaire Lumens: 1844.0 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 3.56' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 17.8
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

TEST NUMBER: P888224

CATALOG NUMBER: DPT5-6FO44-61V60-A-XX-UDD_6500K

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°	6034	6034	6034
5°	6048	5979	6015
10°	6002	5923	5923
15°	5931	5803	5756
20°	5839	5635	5568
25°	5731	5470	5350
30°	5599	5277	5110
35°	5463	5079	4840
40°	5337	4872	4576
45°	5181	4640	4286
50°	5026	4389	3985
55°	4847	4149	3663
60°	4666	3855	3317
65°	4454	3516	2920
70°	4211	3090	2518
75°	3874	2608	2097
80°	3415	2048	1763
85°	2874	1676	1570



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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)