

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: P888487

Luminaire Tested: **DPT5-6FO44-37V60-F-XX-UDD_5000K**

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: P888487
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: DPT5-6FO44-37V60-F-XX-UDD_5000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

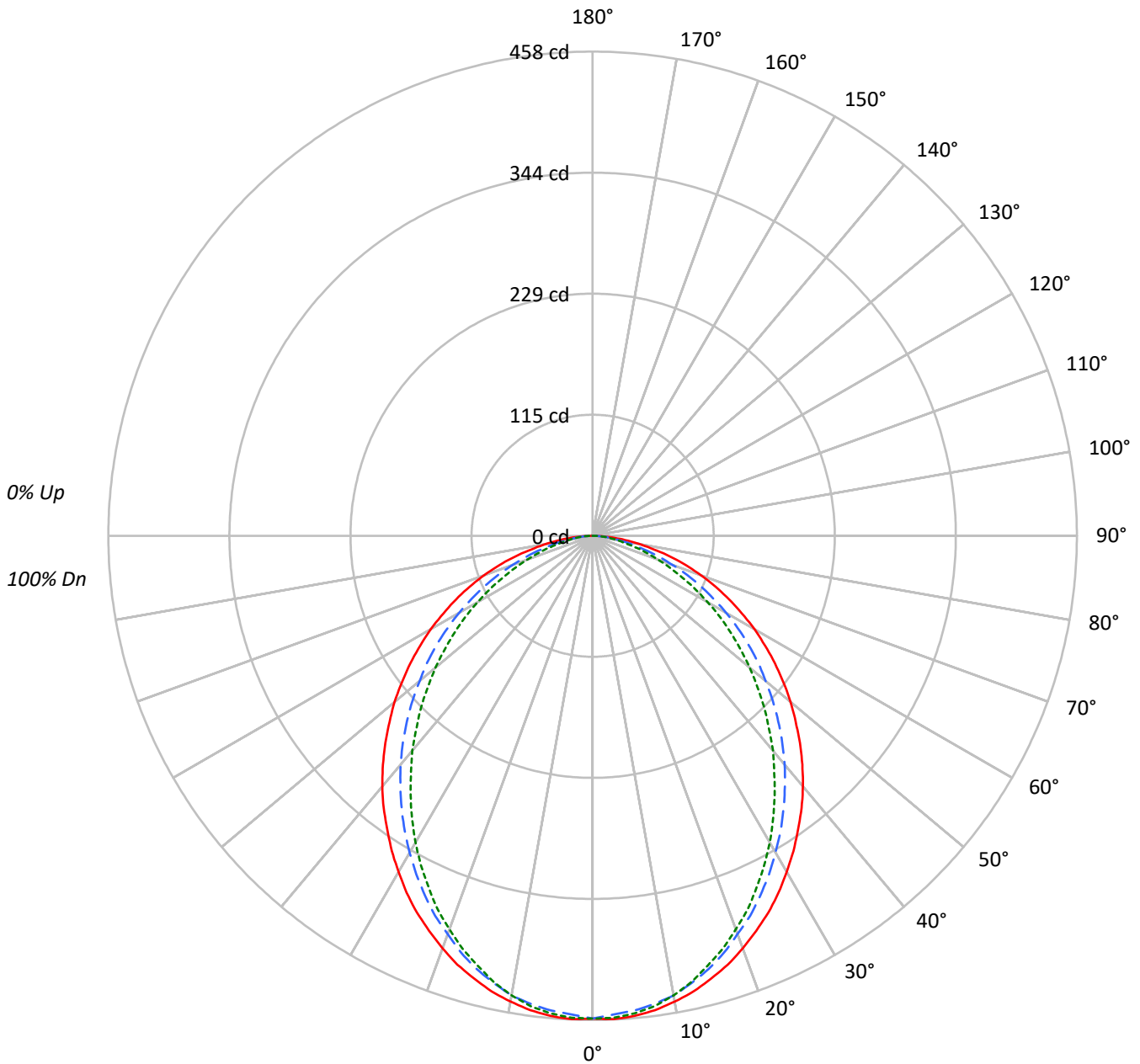
Lumens per Lamp: N/A
Luminaire Lumens: 1079.0 lumens
Efficiency: N/A
Efficacy: 99.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 3.56' x H: 0')
CIE Type: Direct

Input Watts (W): 10.8
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

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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°	3531	3531	3531
5°	3539	3498	3519
10°	3512	3466	3466
15°	3470	3395	3368
20°	3417	3297	3258
25°	3354	3201	3131
30°	3276	3089	2990
35°	3197	2972	2832
40°	3122	2851	2677
45°	3032	2715	2508
50°	2941	2568	2332
55°	2836	2427	2144
60°	2731	2256	1940
65°	2607	2058	1709
70°	2464	1808	1474
75°	2267	1526	1228
80°	1999	1198	1033
85°	1676	985	922



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.0	4.0
10°-20°	120.1	11.1
20°-30°	174.2	16.1
30°-40°	198.4	18.4
40°-50°	193.4	17.9
50°-60°	162.8	15.1
60°-70°	114.1	10.6
70°-80°	58.5	5.4
80°-90°	14.6	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°	337.3	31.3
0°-40°	535.7	49.6
0°-60°	891.9	82.7
0°-90°	1079.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1079.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	457	457	457	457	457	
5°	456	455	451	454	454	43
15°	434	432	424	424	421	122
25°	393	388	375	371	367	181
35°	339	330	315	305	300	212
45°	277	267	248	235	229	214
55°	210	199	180	165	159	188
65°	142	131	112	99	93	141
75°	76	66	51	44	41	80
85°	19	13	11	11	10	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	456.7	456.7	456.7	456.7	456.7
2.5°	457.7	456.7	453.3	456.7	456.3
5°	456.0	454.7	450.8	454.2	453.5
7.5°	452.6	451.2	446.7	449.4	448.8
10°	447.4	446.4	441.5	442.6	441.5
12.5°	441.5	440.1	433.2	433.9	432.2
15°	433.6	431.5	424.2	423.9	420.8
17.5°	425.3	422.2	413.5	411.9	409.4
20°	415.3	411.9	400.8	399.1	396.0
22.5°	404.3	400.8	389.2	385.3	382.8
25°	393.2	388.0	375.3	370.8	367.0
27.5°	380.8	374.6	361.1	355.3	351.5
30°	367.0	360.5	346.0	338.1	335.0
32.5°	353.5	345.6	330.8	321.8	317.7
35°	338.7	330.5	314.9	304.9	300.1
37.5°	324.6	314.5	298.7	287.0	282.1
40°	309.4	299.1	282.5	269.4	265.3
42.5°	293.5	282.8	265.5	253.2	246.6
45°	277.3	267.4	248.3	234.6	229.4
47.5°	260.4	250.1	231.0	217.0	211.1
50°	244.5	233.2	213.5	199.1	193.9
52.5°	227.3	215.6	197.3	181.4	176.2
55°	210.4	199.4	180.1	164.6	159.1
57.5°	193.2	181.4	162.8	147.6	142.8
60°	176.6	164.6	145.9	130.7	125.5
62.5°	159.1	147.6	128.7	114.9	109.7
65°	142.5	130.7	112.5	98.6	93.4
67.5°	125.9	114.2	96.6	83.5	79.4
70°	109.0	97.3	80.0	69.3	65.2
72.5°	92.5	81.1	65.2	55.5	53.2
75°	75.9	65.5	51.1	43.5	41.1
77.5°	58.9	50.7	38.6	32.8	30.7
80°	44.9	36.6	26.9	23.8	23.2
82.5°	31.0	23.8	18.0	16.8	16.6
85°	18.9	12.7	11.1	10.7	10.4
87.5°	8.0	5.5	5.2	5.2	4.8
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)