

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: P888482

Luminaire Tested: **DPT5-6FO44-37V60-F-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: P888482  
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\_2700K  
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

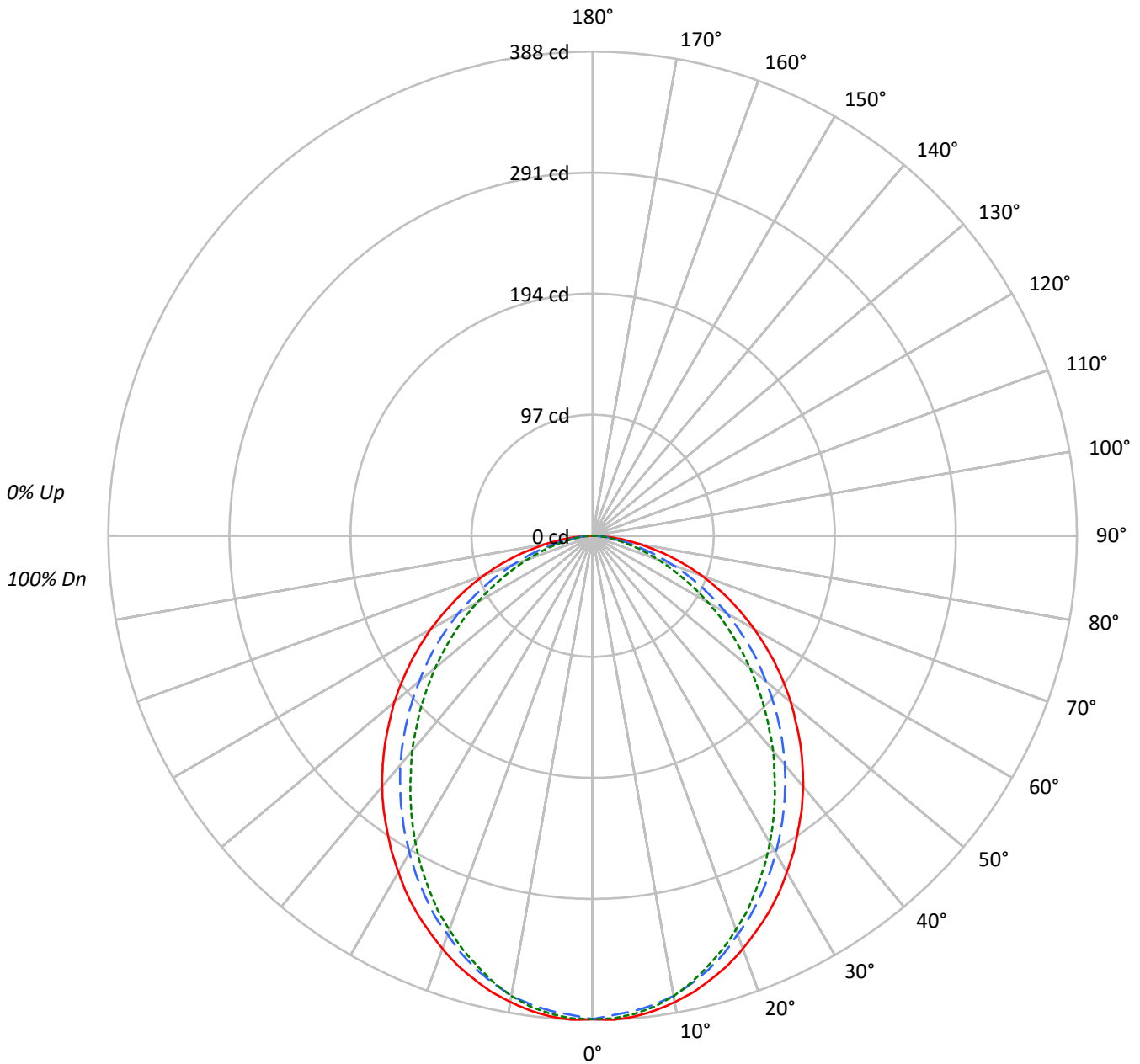
Lumens per Lamp: N/A  
Luminaire Lumens: 915.0 lumens  
Efficiency: N/A  
Efficacy: 84.7 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 0.39' x L: 3.56' x H: 0')  
CIE Type: Direct

Input Watts (W): 10.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	2994	2994	2994
5°	3001	2967	2985
10°	2978	2939	2939
15°	2943	2879	2856
20°	2897	2796	2763
25°	2844	2714	2655
30°	2778	2619	2535
35°	2710	2521	2402
40°	2648	2418	2271
45°	2571	2302	2126
50°	2494	2178	1977
55°	2406	2058	1818
60°	2316	1913	1647
65°	2210	1745	1449
70°	2091	1533	1250
75°	1924	1293	1039
80°	1692	1015	873
85°	1428	834	781



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.5	4.0
10°-20°	101.9	11.1
20°-30°	147.7	16.1
30°-40°	168.3	18.4
40°-50°	164.0	17.9
50°-60°	138.0	15.1
60°-70°	96.7	10.6
70°-80°	49.6	5.4
80°-90°	12.4	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°	286.0	31.3
0°-40°	454.3	49.6
0°-60°	756.3	82.7
0°-90°	915.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	915.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	387	387	387	387	387	
5°	387	386	382	385	385	37
15°	368	366	360	360	357	104
25°	333	329	318	314	311	153
35°	287	280	267	259	254	180
45°	235	227	211	199	194	181
55°	178	169	153	140	135	160
65°	121	111	95	84	79	120
75°	64	56	43	37	35	68
85°	16	11	9	9	9	19
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	387.3	387.3	387.3	387.3	387.3
2.5°	388.2	387.3	384.4	387.3	387.0
5°	386.7	385.6	382.3	385.2	384.6
7.5°	383.8	382.6	378.8	381.1	380.6
10°	379.4	378.5	374.4	375.3	374.4
12.5°	374.4	373.2	367.3	367.9	366.5
15°	367.7	365.9	359.7	359.5	356.9
17.5°	360.7	358.1	350.7	349.3	347.2
20°	352.1	349.3	339.9	338.4	335.8
22.5°	342.8	339.9	330.0	326.7	324.6
25°	333.4	329.0	318.2	314.4	311.2
27.5°	322.9	317.6	306.2	301.3	298.1
30°	311.2	305.7	293.4	286.7	284.0
32.5°	299.8	293.1	280.5	272.9	269.5
35°	287.2	280.2	267.1	258.6	254.5
37.5°	275.3	266.7	253.3	243.4	239.2
40°	262.4	253.6	239.6	228.4	225.0
42.5°	248.9	239.8	225.2	214.7	209.1
45°	235.2	226.7	210.6	198.9	194.5
47.5°	220.8	212.1	195.9	184.0	179.0
50°	207.4	197.7	181.1	168.8	164.4
52.5°	192.7	182.9	167.3	153.8	149.4
55°	178.5	169.1	152.7	139.6	134.9
57.5°	163.8	153.8	138.1	125.2	121.1
60°	149.8	139.6	123.7	110.9	106.5
62.5°	134.9	125.2	109.1	97.4	93.0
65°	120.8	110.9	95.4	83.6	79.2
67.5°	106.7	96.9	81.9	70.8	67.3
70°	92.5	82.5	67.8	58.8	55.3
72.5°	78.4	68.7	55.3	47.1	45.1
75°	64.4	55.6	43.3	36.9	34.8
77.5°	50.0	43.0	32.7	27.8	26.0
80°	38.0	31.0	22.8	20.2	19.6
82.5°	26.3	20.2	15.2	14.3	14.1
85°	16.1	10.8	9.4	9.1	8.8
87.5°	6.8	4.7	4.4	4.4	4.1
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)