

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: P888432

Luminaire Tested: **DPT5-6FO36-37V60-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: P888432  
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: DPT5-6FO36-37V60-F-XX-UDD\_5000K  
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

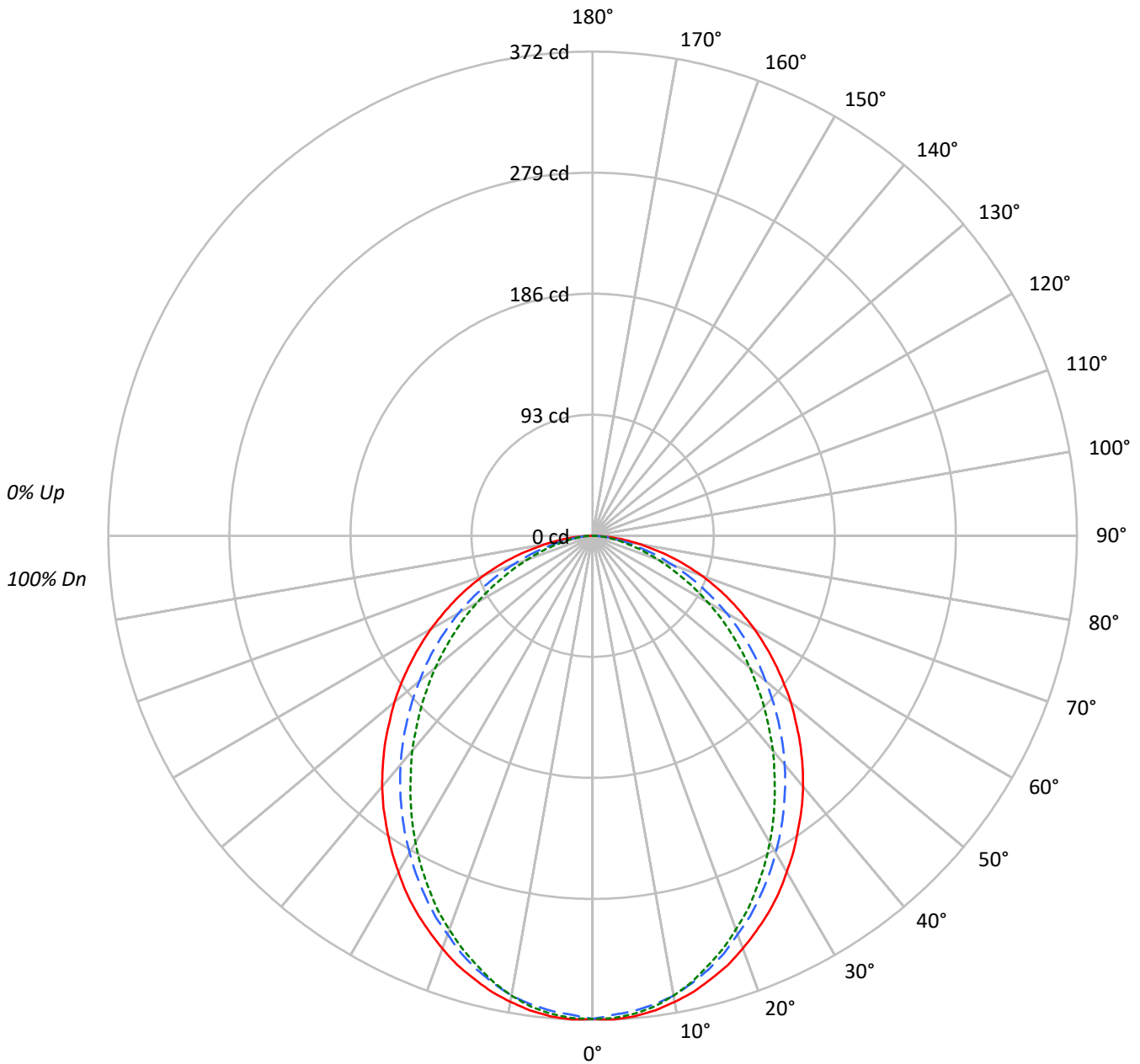
Lumens per Lamp: N/A  
Luminaire Lumens: 877.0 lumens  
Efficiency: N/A  
Efficacy: 100.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')  
CIE Type: Direct

Input Watts (W): 8.7  
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				20				
RC	80				70				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°	3530	3530	3530
5°	3538	3498	3519
10°	3511	3465	3465
15°	3470	3395	3367
20°	3416	3297	3258
25°	3354	3201	3130
30°	3276	3088	2989
35°	3196	2972	2832
40°	3122	2851	2677
45°	3032	2714	2507
50°	2941	2567	2332
55°	2835	2427	2144
60°	2730	2256	1940
65°	2606	2057	1708
70°	2464	1807	1474
75°	2267	1525	1227
80°	1999	1199	1030
85°	1680	982	917



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.9	4.0
10°-20°	97.6	11.1
20°-30°	141.6	16.1
30°-40°	161.3	18.4
40°-50°	157.2	17.9
50°-60°	132.3	15.1
60°-70°	92.7	10.6
70°-80°	47.5	5.4
80°-90°	11.8	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°	274.1	31.3
0°-40°	435.4	49.6
0°-60°	724.9	82.7
0°-90°	877.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	877.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	371	371	371	371	371	
5°	371	370	366	369	369	35
15°	352	351	345	344	342	99
25°	320	315	305	301	298	147
35°	275	269	256	248	244	172
45°	225	217	202	191	186	174
55°	171	162	146	134	129	153
65°	116	106	91	80	76	115
75°	62	53	42	35	33	65
85°	15	10	9	9	8	18
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	371.2	371.2	371.2	371.2	371.2
2.5°	372.0	371.2	368.4	371.2	370.9
5°	370.6	369.6	366.4	369.2	368.6
7.5°	367.8	366.7	363.1	365.3	364.8
10°	363.6	362.8	358.8	359.7	358.8
12.5°	358.8	357.7	352.1	352.7	351.3
15°	352.4	350.7	344.8	344.5	342.0
17.5°	345.7	343.2	336.1	334.8	332.8
20°	337.5	334.8	325.8	324.4	321.9
22.5°	328.6	325.8	316.3	313.2	311.1
25°	319.6	315.4	305.0	301.4	298.3
27.5°	309.5	304.4	293.5	288.8	285.7
30°	298.3	293.0	281.2	274.8	272.2
32.5°	287.3	280.9	268.9	261.6	258.3
35°	275.3	268.6	256.0	247.9	243.9
37.5°	263.8	255.7	242.8	233.3	229.3
40°	251.5	243.1	229.6	218.9	215.6
42.5°	238.5	229.9	215.8	205.8	200.4
45°	225.4	217.3	201.8	190.7	186.4
47.5°	211.6	203.3	187.8	176.4	171.6
50°	198.8	189.5	173.5	161.8	157.6
52.5°	184.7	175.3	160.3	147.4	143.2
55°	171.0	162.0	146.4	133.8	129.3
57.5°	157.0	147.4	132.4	120.0	116.1
60°	143.5	133.8	118.6	106.2	102.0
62.5°	129.3	120.0	104.6	93.4	89.1
65°	115.8	106.2	91.4	80.1	75.9
67.5°	102.3	92.8	78.5	67.9	64.5
70°	88.6	79.0	65.0	56.3	53.0
72.5°	75.1	65.9	53.0	45.1	43.2
75°	61.7	53.3	41.5	35.4	33.4
77.5°	47.9	41.2	31.4	26.7	25.0
80°	36.5	29.7	21.9	19.3	18.8
82.5°	25.2	19.3	14.6	13.7	13.5
85°	15.4	10.3	9.0	8.7	8.4
87.5°	6.5	4.5	4.2	4.2	3.9
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)