

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: P888151

Luminaire Tested: **DPT5-6FO36-37S40-A-XX-UDD**

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: P888151  
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: DPT5-6FO36-37S40-A-XX-UDD  
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

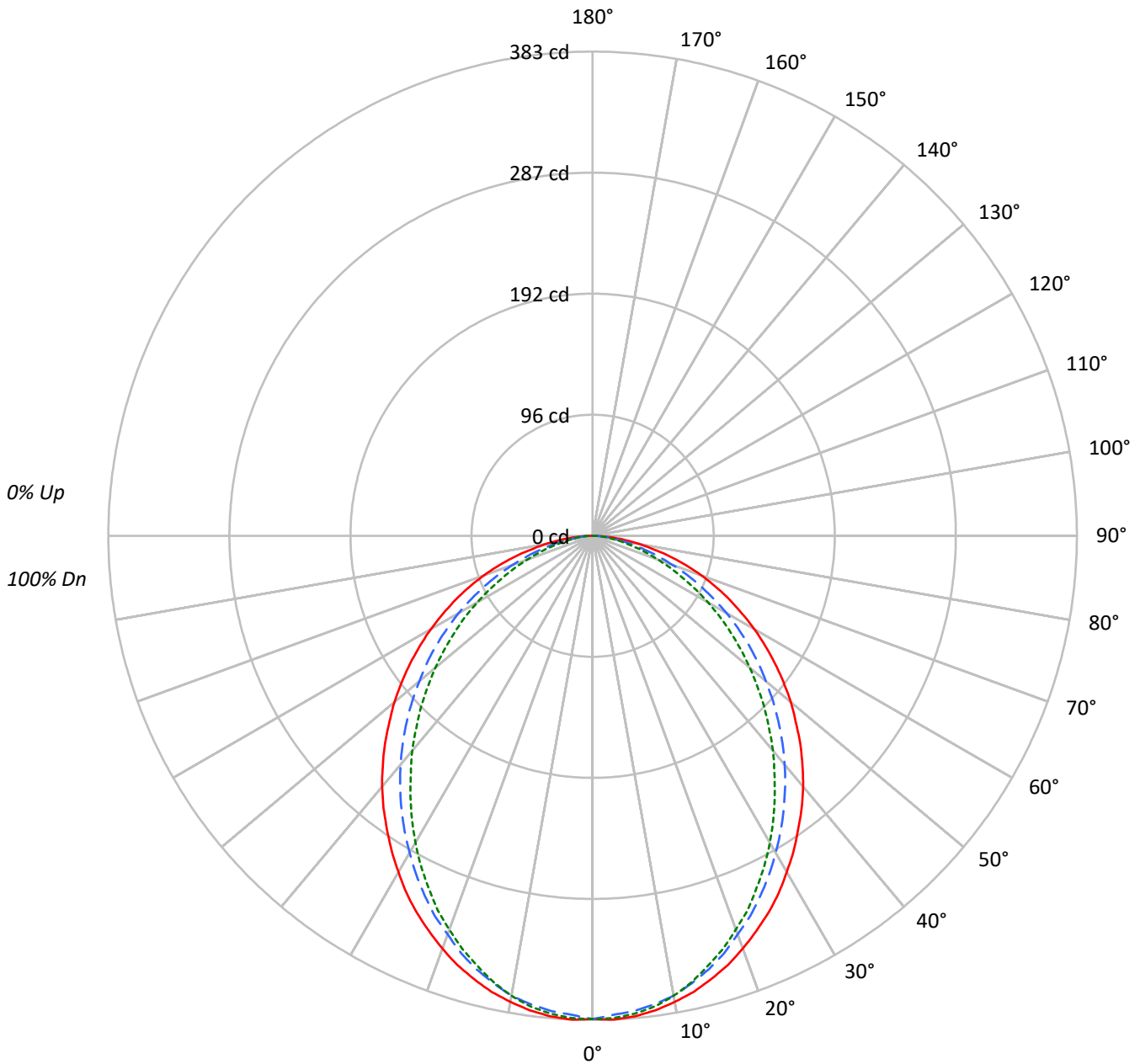
Lumens per Lamp: N/A  
Luminaire Lumens: 903.0 lumens  
Efficiency: N/A  
Efficacy: 103.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')  
CIE Type: Direct

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									
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°	3635	3635	3635
5°	3643	3602	3623
10°	3616	3568	3568
15°	3573	3495	3468
20°	3517	3395	3354
25°	3452	3296	3223
30°	3373	3179	3078
35°	3292	3060	2915
40°	3216	2935	2756
45°	3122	2795	2582
50°	3029	2644	2400
55°	2920	2499	2207
60°	2811	2322	1999
65°	2685	2118	1760
70°	2536	1860	1518
75°	2333	1569	1264
80°	2054	1232	1063
85°	1735	1015	949



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.0	4.0
10°-20°	100.5	11.1
20°-30°	145.8	16.1
30°-40°	166.1	18.4
40°-50°	161.9	17.9
50°-60°	136.2	15.1
60°-70°	95.5	10.6
70°-80°	48.9	5.4
80°-90°	12.2	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°	282.3	31.3
0°-40°	448.3	49.6
0°-60°	746.4	82.7
0°-90°	903.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	903.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	382	382	382	382	382	
5°	382	380	377	380	380	36
15°	363	361	355	355	352	102
25°	329	325	314	310	307	151
35°	284	277	264	255	251	177
45°	232	224	208	196	192	179
55°	176	167	151	138	133	157
65°	119	109	94	82	78	118
75°	64	55	43	36	34	67
85°	16	11	9	9	9	18
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	382.2	382.2	382.2	382.2	382.2
2.5°	383.1	382.2	379.3	382.2	381.9
5°	381.6	380.5	377.3	380.1	379.5
7.5°	378.7	377.6	373.8	376.1	375.6
10°	374.4	373.5	369.5	370.4	369.5
12.5°	369.5	368.3	362.5	363.1	361.7
15°	362.9	361.1	355.0	354.8	352.2
17.5°	355.9	353.4	346.1	344.7	342.7
20°	347.5	344.7	335.4	334.0	331.4
22.5°	338.3	335.4	325.7	322.5	320.4
25°	329.0	324.7	314.1	310.3	307.1
27.5°	318.7	313.5	302.2	297.3	294.2
30°	307.1	301.7	289.5	282.9	280.3
32.5°	295.8	289.3	276.8	269.3	265.9
35°	283.5	276.6	263.6	255.2	251.1
37.5°	271.6	263.2	250.0	240.2	236.1
40°	259.0	250.3	236.4	225.4	222.0
42.5°	245.6	236.7	222.2	211.9	206.4
45°	232.1	223.8	207.8	196.3	192.0
47.5°	217.9	209.3	193.4	181.6	176.7
50°	204.7	195.1	178.7	166.6	162.2
52.5°	190.2	180.5	165.1	151.8	147.5
55°	176.1	166.9	150.7	137.7	133.1
57.5°	161.7	151.8	136.3	123.5	119.5
60°	147.8	137.7	122.1	109.4	105.1
62.5°	133.1	123.5	107.7	96.1	91.8
65°	119.3	109.4	94.1	82.5	78.2
67.5°	105.3	95.6	80.8	69.9	66.5
70°	91.2	81.4	66.9	58.0	54.6
72.5°	77.4	67.8	54.6	46.5	44.5
75°	63.5	54.8	42.7	36.4	34.4
77.5°	49.3	42.4	32.3	27.5	25.7
80°	37.5	30.6	22.5	19.9	19.4
82.5°	26.0	19.9	15.0	14.1	13.9
85°	15.9	10.7	9.3	8.9	8.7
87.5°	6.7	4.6	4.3	4.3	4.0
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)