

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: P888128

Luminaire Tested: **DPT5-6FO36-109S35-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: P888128  
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: DPT5-6FO36-109S35-A-XX-UDD  
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

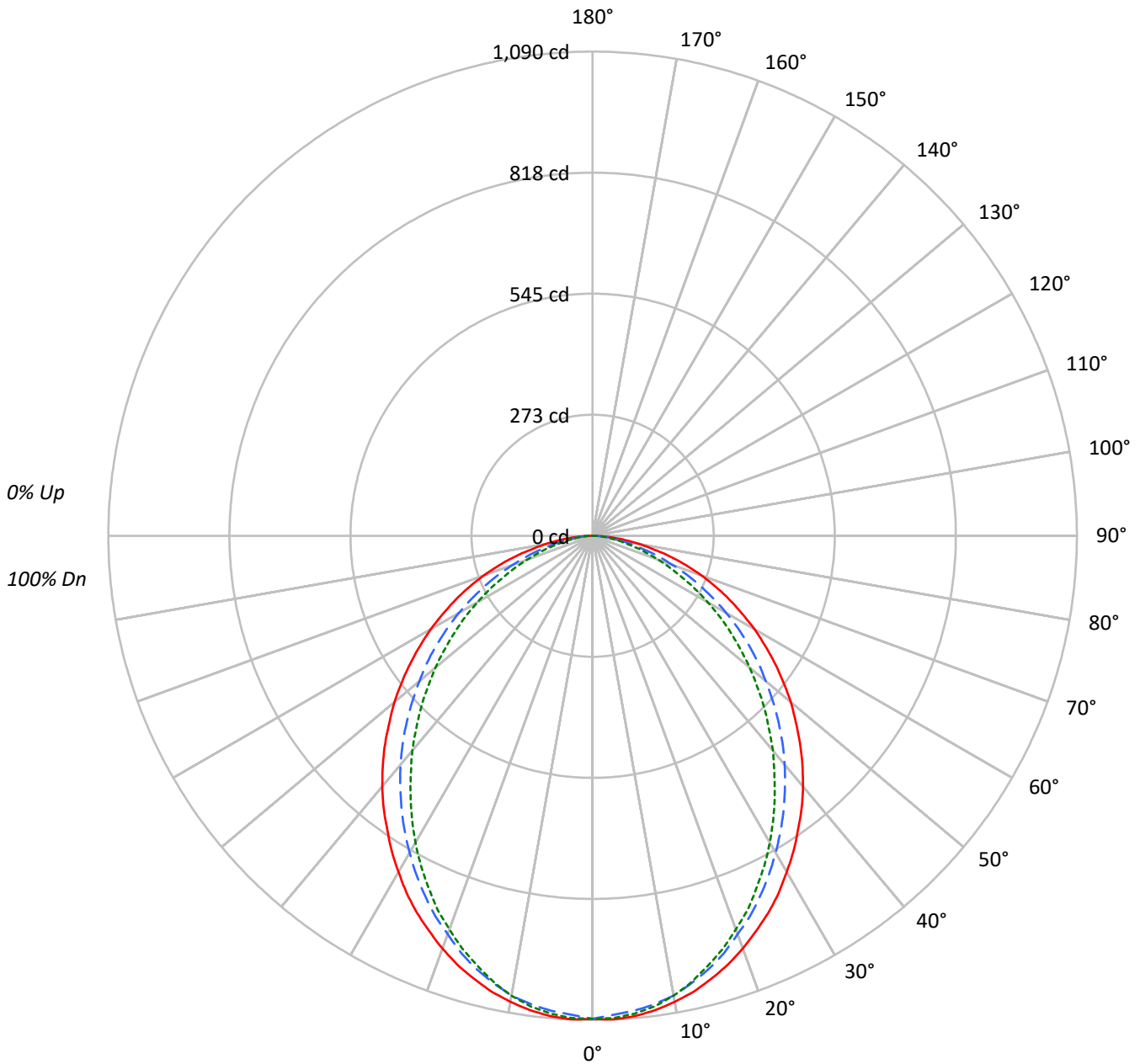
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2569.0 lumens  
Efficiency: N/A  
Efficacy: 100.0 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): 25.7  
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°	10342	10342	10342
5°	10365	10248	10309
10°	10287	10151	10151
15°	10165	9945	9865
20°	10007	9658	9542
25°	9823	9376	9169
30°	9596	9046	8758
35°	9364	8705	8296
40°	9146	8350	7841
45°	8880	7952	7345
50°	8614	7522	6830
55°	8307	7110	6279
60°	7998	6606	5685
65°	7636	6027	5005
70°	7219	5294	4316
75°	6640	4468	3594
80°	5849	3511	3018
85°	4921	2881	2695



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.3	4.0
10°-20°	286.0	11.1
20°-30°	414.7	16.1
30°-40°	472.5	18.4
40°-50°	460.5	17.9
50°-60°	387.5	15.1
60°-70°	271.6	10.6
70°-80°	139.2	5.4
80°-90°	34.7	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°	803.0	31.3
0°-40°	1275.5	49.6
0°-60°	2123.5	82.7
0°-90°	2569.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2569.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1087	1087	1087	1087	1087	
5°	1086	1082	1073	1082	1080	103
15°	1032	1027	1010	1009	1002	291
25°	936	924	894	883	874	431
35°	806	787	750	726	714	505
45°	660	637	591	558	546	509
55°	501	475	429	392	379	448
65°	339	311	268	235	222	336
75°	181	156	122	104	98	191
85°	45	30	26	25	25	52
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1087.4	1087.4	1087.4	1087.4	1087.4
2.5°	1089.8	1087.4	1079.2	1087.4	1086.5
5°	1085.7	1082.5	1073.4	1081.5	1079.8
7.5°	1077.5	1074.2	1063.5	1070.0	1068.5
10°	1065.2	1062.7	1051.1	1053.7	1051.1
12.5°	1051.1	1047.8	1031.3	1033.0	1029.1
15°	1032.4	1027.4	1010.0	1009.3	1001.9
17.5°	1012.6	1005.3	984.6	980.6	974.8
20°	988.7	980.6	954.3	950.1	942.8
22.5°	962.5	954.3	926.5	917.4	911.5
25°	936.1	923.8	893.5	882.8	873.8
27.5°	906.7	891.8	859.8	845.9	837.0
30°	873.8	858.3	823.7	805.0	797.5
32.5°	841.7	822.9	787.6	766.3	756.5
35°	806.5	786.8	749.8	726.1	714.5
37.5°	772.8	748.9	711.1	683.4	671.7
40°	736.7	712.0	672.6	641.4	631.6
42.5°	698.8	673.3	632.2	602.8	587.1
45°	660.2	636.6	591.2	558.5	546.1
47.5°	619.9	595.5	550.1	516.6	502.6
50°	582.2	555.1	508.4	473.9	461.6
52.5°	541.1	513.4	469.7	431.9	419.5
55°	501.0	474.7	428.8	391.8	378.7
57.5°	459.9	431.9	387.7	351.4	340.0
60°	420.5	391.8	347.3	311.2	298.9
62.5°	378.7	351.4	306.4	273.5	261.1
65°	339.3	311.2	267.8	234.8	222.4
67.5°	299.7	271.9	229.9	198.8	189.1
70°	259.6	231.6	190.4	165.0	155.2
72.5°	220.1	193.0	155.2	132.2	126.6
75°	180.7	156.0	121.6	103.6	97.8
77.5°	140.3	120.7	91.9	78.2	73.1
80°	106.8	87.1	64.1	56.7	55.1
82.5°	73.9	56.7	42.8	40.1	39.5
85°	45.1	30.3	26.4	25.4	24.7
87.5°	19.0	13.1	12.3	12.3	11.4
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)