

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: P888133

Luminaire Tested: **DPT5-6FO36-109V60-A-XX-UDD\_4000K**

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: P888133  
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: DPT5-6FO36-109V60-A-XX-UDD\_4000K  
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

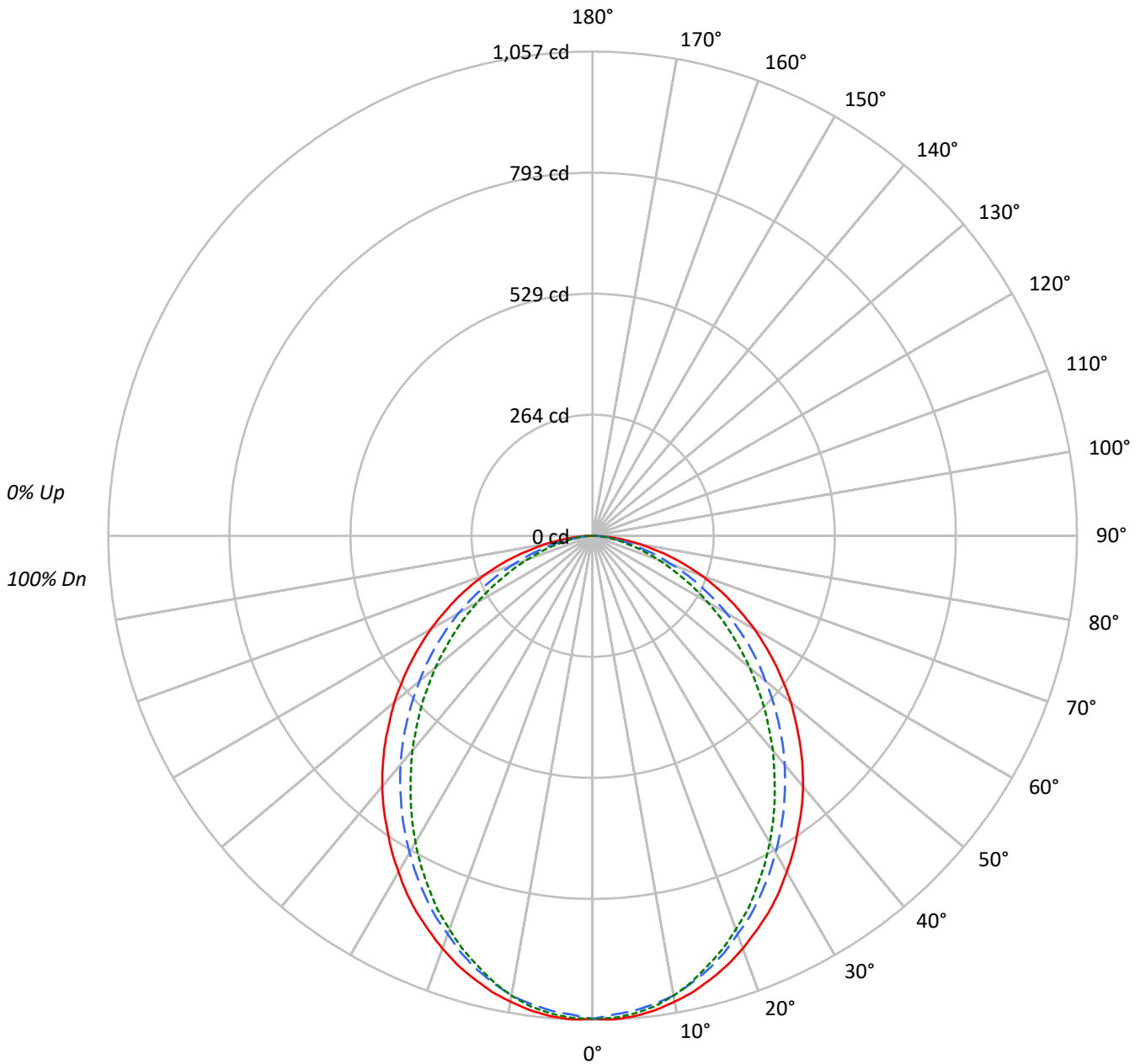
Lumens per Lamp: N/A  
Luminaire Lumens: 2491.0 lumens  
Efficiency: N/A  
Efficacy: 96.9 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25  
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')  
CIE Type: Direct

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°	10028	10028	10028
5°	10051	9936	9996
10°	9974	9843	9843
15°	9857	9643	9565
20°	9703	9365	9253
25°	9525	9091	8891
30°	9305	8771	8492
35°	9079	8442	8044
40°	8868	8097	7603
45°	8611	7711	7123
50°	8354	7293	6623
55°	8055	6894	6089
60°	7755	6406	5512
65°	7404	5844	4854
70°	6999	5133	4185
75°	6438	4332	3484
80°	5669	3407	2930
85°	4769	2794	2608



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.2	4.0
10°-20°	277.3	11.1
20°-30°	402.1	16.1
30°-40°	458.1	18.4
40°-50°	446.5	17.9
50°-60°	375.8	15.1
60°-70°	263.3	10.6
70°-80°	135.0	5.4
80°-90°	33.7	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°	778.6	31.3
0°-40°	1236.7	49.6
0°-60°	2059.0	82.7
0°-90°	2491.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2491.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1054	1054	1054	1054	1054	
5°	1053	1050	1041	1049	1047	100
15°	1001	996	979	979	972	282
25°	908	896	866	856	847	418
35°	782	763	727	704	693	490
45°	640	617	573	542	530	494
55°	486	460	416	380	367	434
65°	329	302	260	228	216	326
75°	175	151	118	100	95	185
85°	44	29	26	25	24	50
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1054.4	1054.4	1054.4	1054.4	1054.4
2.5°	1056.8	1054.4	1046.4	1054.4	1053.5
5°	1052.8	1049.7	1040.8	1048.6	1047.0
7.5°	1044.8	1041.5	1031.2	1037.6	1036.1
10°	1032.8	1030.5	1019.2	1021.7	1019.2
12.5°	1019.2	1016.0	1000.0	1001.7	997.8
15°	1001.1	996.2	979.4	978.6	971.5
17.5°	981.9	974.8	954.7	950.8	945.2
20°	958.7	950.8	925.3	921.3	914.2
22.5°	933.3	925.3	898.4	889.5	883.8
25°	907.7	895.7	866.3	856.0	847.3
27.5°	879.2	864.7	833.7	820.3	811.5
30°	847.3	832.2	798.7	780.5	773.3
32.5°	816.1	798.0	763.7	743.0	733.6
35°	782.0	762.9	727.1	704.0	692.8
37.5°	749.4	726.2	689.5	662.6	651.3
40°	714.3	690.4	652.2	621.9	612.4
42.5°	677.6	652.9	613.0	584.5	569.3
45°	640.2	617.3	573.3	541.5	529.6
47.5°	601.1	577.4	533.4	500.9	487.3
50°	564.6	538.3	492.9	459.5	447.6
52.5°	524.7	497.8	455.4	418.8	406.8
55°	485.8	460.3	415.8	379.9	367.2
57.5°	446.0	418.8	375.9	340.8	329.7
60°	407.7	379.9	336.8	301.8	289.8
62.5°	367.2	340.8	297.1	265.1	253.2
65°	329.0	301.8	259.7	227.6	215.7
67.5°	290.6	263.7	222.9	192.8	183.3
70°	251.7	224.5	184.6	160.0	150.5
72.5°	213.4	187.2	150.5	128.2	122.8
75°	175.2	151.3	117.9	100.4	94.8
77.5°	136.0	117.0	89.1	75.8	70.9
80°	103.5	84.5	62.2	54.9	53.5
82.5°	71.6	54.9	41.5	38.8	38.3
85°	43.7	29.4	25.6	24.7	23.9
87.5°	18.5	12.7	12.0	12.0	11.1
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)