

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: P888130

Luminaire Tested: **DPT5-6FO36-109V60-A-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: P888130
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_2700K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

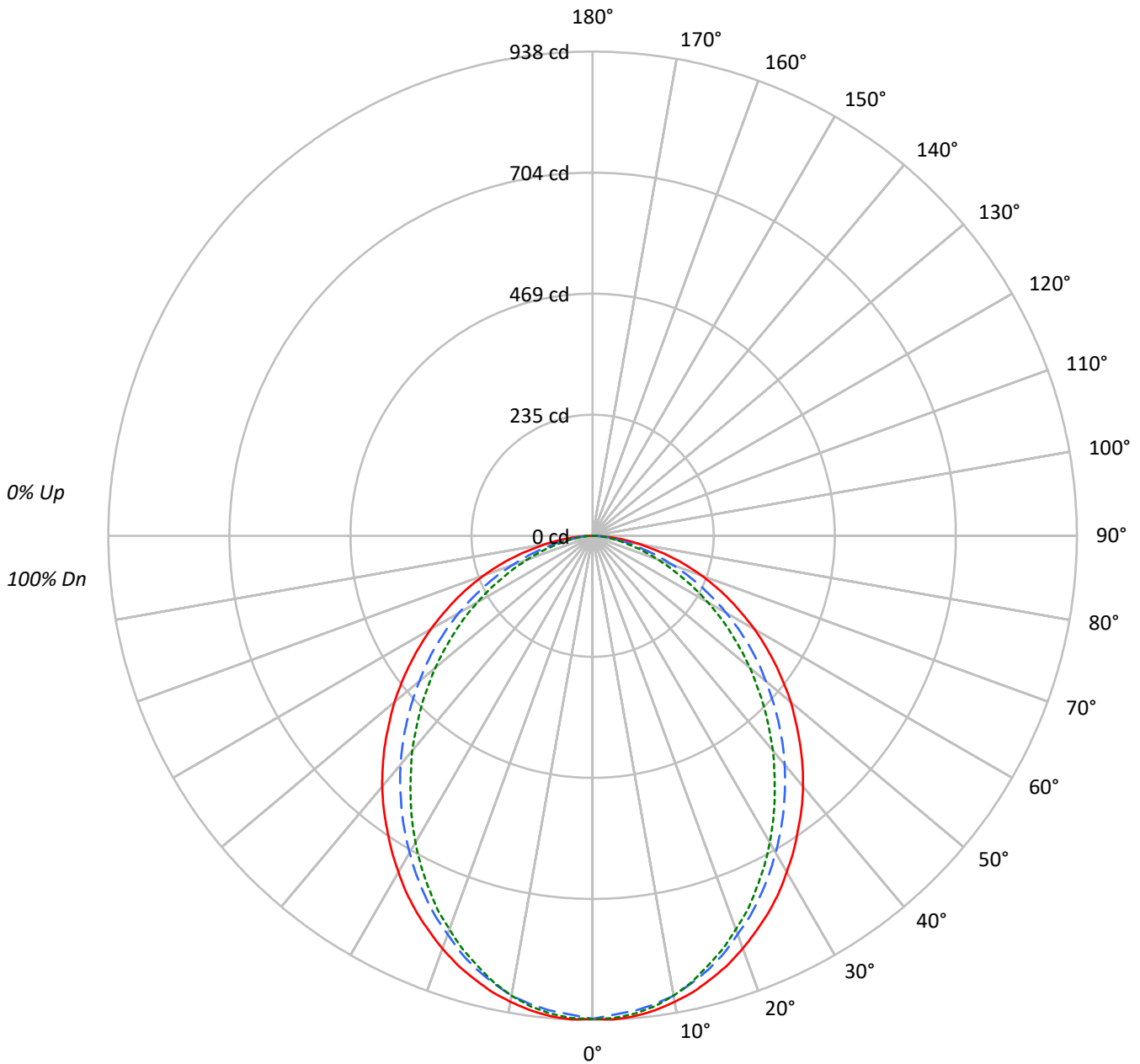
Lumens per Lamp: N/A
Luminaire Lumens: 2211.0 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 25.7
Input Voltage (V): NR
Input Current (Ain): 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°	8901	8901	8901
5°	8921	8819	8872
10°	8853	8737	8737
15°	8748	8559	8490
20°	8612	8312	8212
25°	8455	8070	7892
30°	8259	7785	7538
35°	8059	7492	7139
40°	7872	7187	6749
45°	7642	6843	6321
50°	7414	6473	5878
55°	7150	6120	5404
60°	6884	5685	4892
65°	6571	5187	4307
70°	6212	4558	3715
75°	5714	3844	3094
80°	5033	3023	2602
85°	4234	2477	2313



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.1	4.0
10°-20°	246.1	11.1
20°-30°	356.9	16.1
30°-40°	406.6	18.4
40°-50°	396.3	17.9
50°-60°	333.5	15.1
60°-70°	233.7	10.6
70°-80°	119.8	5.4
80°-90°	29.9	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°	691.1	31.3
0°-40°	1097.7	49.6
0°-60°	1827.6	82.7
0°-90°	2211.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2211.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	936	936	936	936	936	
5°	934	932	924	931	929	89
15°	888	884	869	869	862	251
25°	806	795	769	760	752	371
35°	694	677	645	625	615	435
45°	568	548	509	481	470	438
55°	431	408	369	337	326	386
65°	292	268	230	202	191	289
75°	156	134	105	89	84	164
85°	39	26	23	22	21	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	935.9	935.9	935.9	935.9	935.9
2.5°	938.0	935.9	928.8	935.9	935.1
5°	934.4	931.7	923.8	930.8	929.3
7.5°	927.3	924.5	915.3	920.9	919.6
10°	916.7	914.6	904.7	906.9	904.7
12.5°	904.7	901.8	887.6	889.1	885.7
15°	888.5	884.2	869.3	868.6	862.3
17.5°	871.5	865.2	847.4	844.0	839.0
20°	850.9	844.0	821.3	817.7	811.4
22.5°	828.4	821.3	797.4	789.6	784.4
25°	805.7	795.1	769.0	759.8	752.1
27.5°	780.4	767.5	740.0	728.1	720.3
30°	752.1	738.7	708.9	692.8	686.4
32.5°	724.4	708.3	677.8	659.5	651.1
35°	694.1	677.2	645.3	624.9	614.9
37.5°	665.1	644.5	612.0	588.2	578.1
40°	634.1	612.8	578.9	552.0	543.6
42.5°	601.4	579.5	544.1	518.8	505.3
45°	568.2	547.9	508.8	480.7	470.0
47.5°	533.5	512.5	473.4	444.6	432.5
50°	501.1	477.8	437.5	407.9	397.3
52.5°	465.7	441.8	404.2	371.7	361.1
55°	431.2	408.5	369.1	337.2	325.9
57.5°	395.8	371.7	333.7	302.5	292.6
60°	361.9	337.2	298.9	267.9	257.2
62.5°	325.9	302.5	263.7	235.3	224.7
65°	292.0	267.9	230.5	202.0	191.4
67.5°	257.9	234.0	197.8	171.1	162.7
70°	223.4	199.3	163.9	142.0	133.6
72.5°	189.5	166.1	133.6	113.8	109.0
75°	155.5	134.3	104.6	89.2	84.2
77.5°	120.8	103.8	79.1	67.3	62.9
80°	91.9	75.0	55.2	48.8	47.5
82.5°	63.6	48.8	36.8	34.5	34.0
85°	38.8	26.1	22.7	21.9	21.2
87.5°	16.4	11.3	10.6	10.6	9.8
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)