

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: P888132

Luminaire Tested: **DPT5-6FO36-109V60-A-XX-UDD_3500K**

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: P888132
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_3500K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

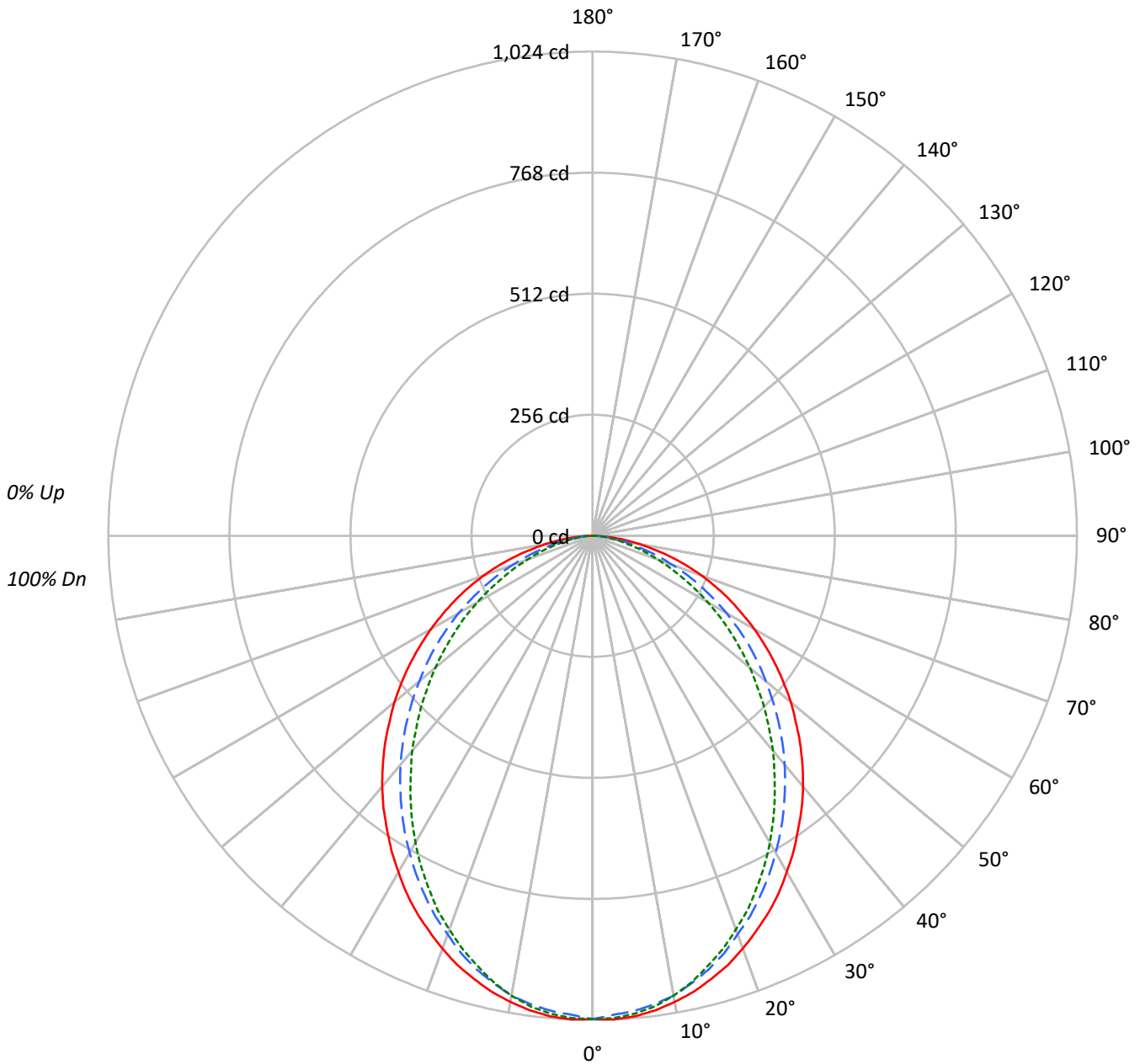
Lumens per Lamp: N/A
Luminaire Lumens: 2414.0 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 25.7
Input Voltage (V): NR
Input Current (A_{in}): 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°	9718	9718	9718
5°	9740	9629	9686
10°	9666	9538	9538
15°	9552	9345	9270
20°	9402	9075	8966
25°	9231	8811	8616
30°	9017	8500	8230
35°	8798	8181	7795
40°	8595	7846	7368
45°	8344	7473	6903
50°	8095	7068	6417
55°	7806	6682	5901
60°	7515	6208	5343
65°	7174	5664	4703
70°	6782	4975	4057
75°	6239	4196	3377
80°	5493	3303	2837
85°	4627	2706	2532



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.2	4.0
10°-20°	268.7	11.1
20°-30°	389.7	16.1
30°-40°	443.9	18.4
40°-50°	432.7	17.9
50°-60°	364.2	15.1
60°-70°	255.2	10.6
70°-80°	130.8	5.4
80°-90°	32.6	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°	754.6	31.3
0°-40°	1198.5	49.6
0°-60°	1995.4	82.7
0°-90°	2414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2414.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1022	1022	1022	1022	1022	
5°	1020	1017	1009	1016	1015	97
15°	970	965	949	948	942	274
25°	880	868	840	830	821	405
35°	758	739	705	682	671	475
45°	620	598	556	525	513	478
55°	471	446	403	368	356	421
65°	319	292	252	221	209	316
75°	170	147	114	97	92	179
85°	42	28	25	24	23	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1021.8	1021.8	1021.8	1021.8	1021.8
2.5°	1024.1	1021.8	1014.1	1021.8	1020.9
5°	1020.2	1017.2	1008.6	1016.2	1014.6
7.5°	1012.5	1009.3	999.3	1005.5	1004.0
10°	1000.9	998.6	987.7	990.2	987.7
12.5°	987.7	984.6	969.1	970.7	967.0
15°	970.1	965.4	949.1	948.4	941.5
17.5°	951.5	944.6	925.2	921.5	916.0
20°	929.0	921.5	896.7	892.8	885.9
22.5°	904.4	896.7	870.6	862.0	856.5
25°	879.7	868.1	839.6	829.5	821.1
27.5°	852.0	838.0	807.9	794.9	786.5
30°	821.1	806.5	774.0	756.4	749.4
32.5°	790.9	773.3	740.1	720.0	710.9
35°	757.8	739.4	704.6	682.2	671.4
37.5°	726.2	703.7	668.2	642.2	631.1
40°	692.3	669.1	632.0	602.7	593.5
42.5°	656.6	632.7	594.1	566.4	551.7
45°	620.4	598.2	555.6	524.8	513.2
47.5°	582.5	559.6	516.9	485.4	472.2
50°	547.1	521.6	477.7	445.3	433.7
52.5°	508.5	482.4	441.3	405.8	394.2
55°	470.8	446.1	403.0	368.2	355.9
57.5°	432.2	405.8	364.3	330.2	319.5
60°	395.1	368.2	326.4	292.5	280.9
62.5°	355.9	330.2	287.9	257.0	245.4
65°	318.8	292.5	251.7	220.6	209.0
67.5°	281.6	255.5	216.0	186.8	177.6
70°	243.9	217.6	178.9	155.0	145.9
72.5°	206.9	181.4	145.9	124.3	119.0
75°	169.8	146.6	114.2	97.3	91.9
77.5°	131.8	113.4	86.3	73.4	68.7
80°	100.3	81.9	60.3	53.3	51.8
82.5°	69.4	53.3	40.2	37.6	37.1
85°	42.4	28.5	24.8	23.9	23.2
87.5°	17.9	12.3	11.6	11.6	10.7
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)