

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: P888127

Luminaire Tested: **DPT5-6FO36-109S30-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: P888127
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: DPT5-6FO36-109S30-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

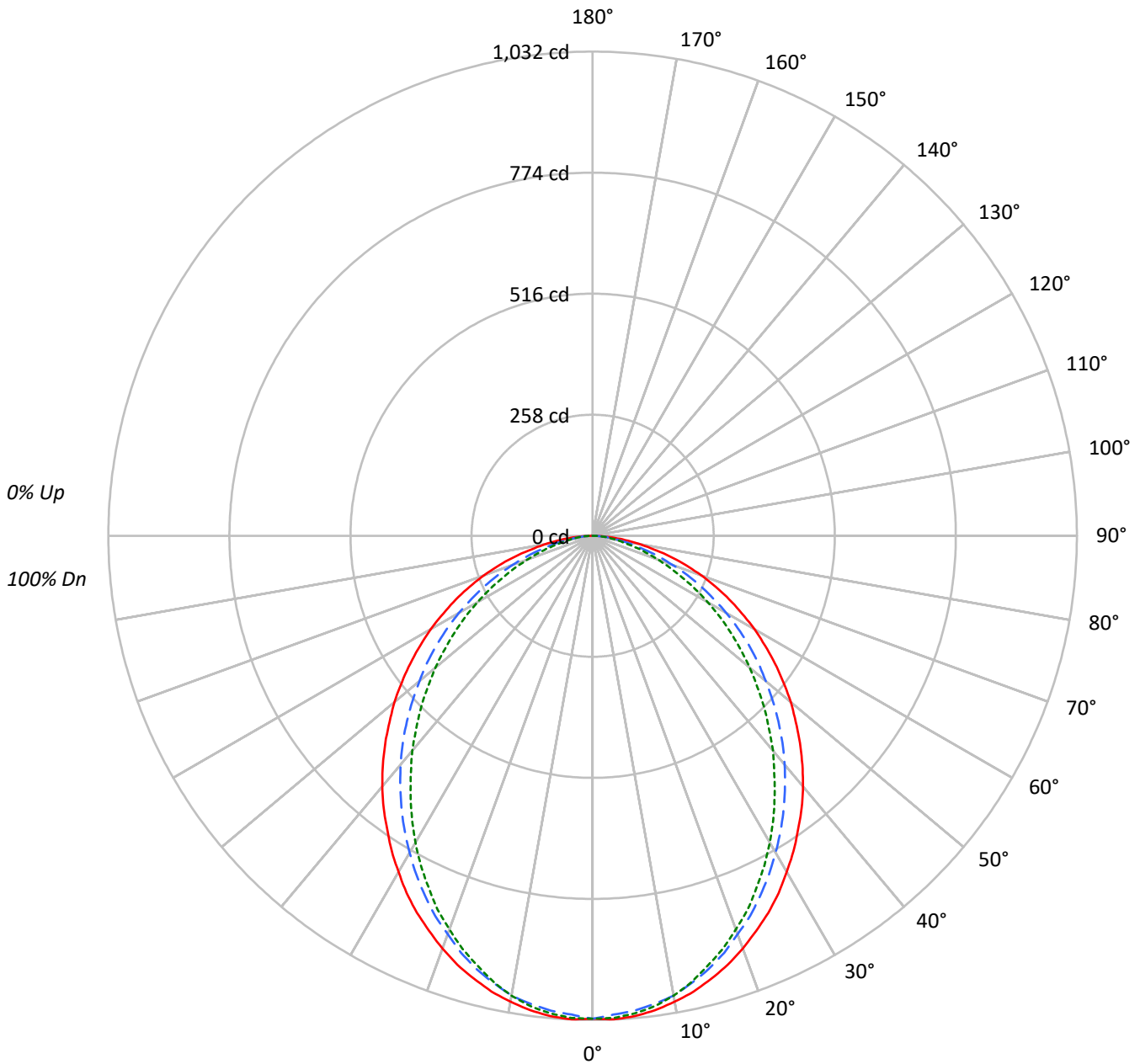
Lumens per Lamp: N/A
Luminaire Lumens: 2432.0 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

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									
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°	9790	9790	9790
5°	9812	9701	9759
10°	9738	9610	9610
15°	9624	9415	9339
20°	9473	9143	9034
25°	9300	8876	8680
30°	9084	8564	8291
35°	8864	8241	7853
40°	8658	7905	7423
45°	8406	7528	6954
50°	8155	7121	6466
55°	7864	6732	5944
60°	7570	6254	5383
65°	7228	5705	4739
70°	6832	5014	4088
75°	6284	4229	3403
80°	5537	3324	2859
85°	4659	2717	2553



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.9	4.0
10°-20°	270.7	11.1
20°-30°	392.6	16.1
30°-40°	447.3	18.4
40°-50°	435.9	17.9
50°-60°	366.9	15.1
60°-70°	257.1	10.6
70°-80°	131.8	5.4
80°-90°	32.9	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°	760.2	31.3
0°-40°	1207.4	49.6
0°-60°	2010.2	82.7
0°-90°	2432.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2432.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1029	1029	1029	1029	1029	
5°	1028	1025	1016	1024	1022	97
15°	977	973	956	955	948	276
25°	886	874	846	836	827	408
35°	764	745	710	687	676	478
45°	625	603	560	529	517	482
55°	474	449	406	371	358	424
65°	321	295	254	222	211	318
75°	171	148	115	98	93	181
85°	43	29	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°	1029.4	1029.4	1029.4	1029.4	1029.4
2.5°	1031.7	1029.4	1021.6	1029.4	1028.6
5°	1027.8	1024.8	1016.1	1023.8	1022.2
7.5°	1020.0	1016.9	1006.8	1013.0	1011.5
10°	1008.4	1006.1	995.1	997.5	995.1
12.5°	995.1	991.9	976.3	977.9	974.2
15°	977.4	972.6	956.2	955.4	948.5
17.5°	958.6	951.7	932.1	928.3	922.8
20°	936.0	928.3	903.4	899.5	892.6
22.5°	911.2	903.4	877.1	868.5	862.8
25°	886.2	874.5	845.8	835.7	827.2
27.5°	858.4	844.2	814.0	800.8	792.3
30°	827.2	812.5	779.8	762.0	755.0
32.5°	796.8	779.1	745.6	725.4	716.2
35°	763.5	744.9	709.8	687.3	676.4
37.5°	731.6	709.0	673.2	647.0	635.8
40°	697.4	674.1	636.7	607.2	597.9
42.5°	661.5	637.4	598.5	570.7	555.8
45°	625.0	602.7	559.7	528.7	517.0
47.5°	586.8	563.7	520.8	489.0	475.8
50°	551.2	525.5	481.3	448.7	437.0
52.5°	512.3	486.0	444.6	408.9	397.2
55°	474.3	449.4	406.0	370.9	358.5
57.5°	435.4	408.9	367.0	332.7	321.9
60°	398.0	370.9	328.8	294.6	283.0
62.5°	358.5	332.7	290.0	258.9	247.2
65°	321.2	294.6	253.5	222.2	210.6
67.5°	283.7	257.4	217.6	188.2	179.0
70°	245.7	219.2	180.3	156.2	147.0
72.5°	208.4	182.7	147.0	125.2	119.8
75°	171.0	147.7	115.1	98.1	92.6
77.5°	132.8	114.2	87.0	74.0	69.2
80°	101.1	82.5	60.7	53.6	52.2
82.5°	69.9	53.6	40.5	37.9	37.4
85°	42.7	28.7	24.9	24.1	23.4
87.5°	18.0	12.4	11.7	11.7	10.8
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)