

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: P888267

Luminaire Tested: **DPT5-6FO55-37V60-A-XX-UDD_5000K**

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: P888267
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: DPT5-6FO55-37V60-A-XX-UDD_5000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

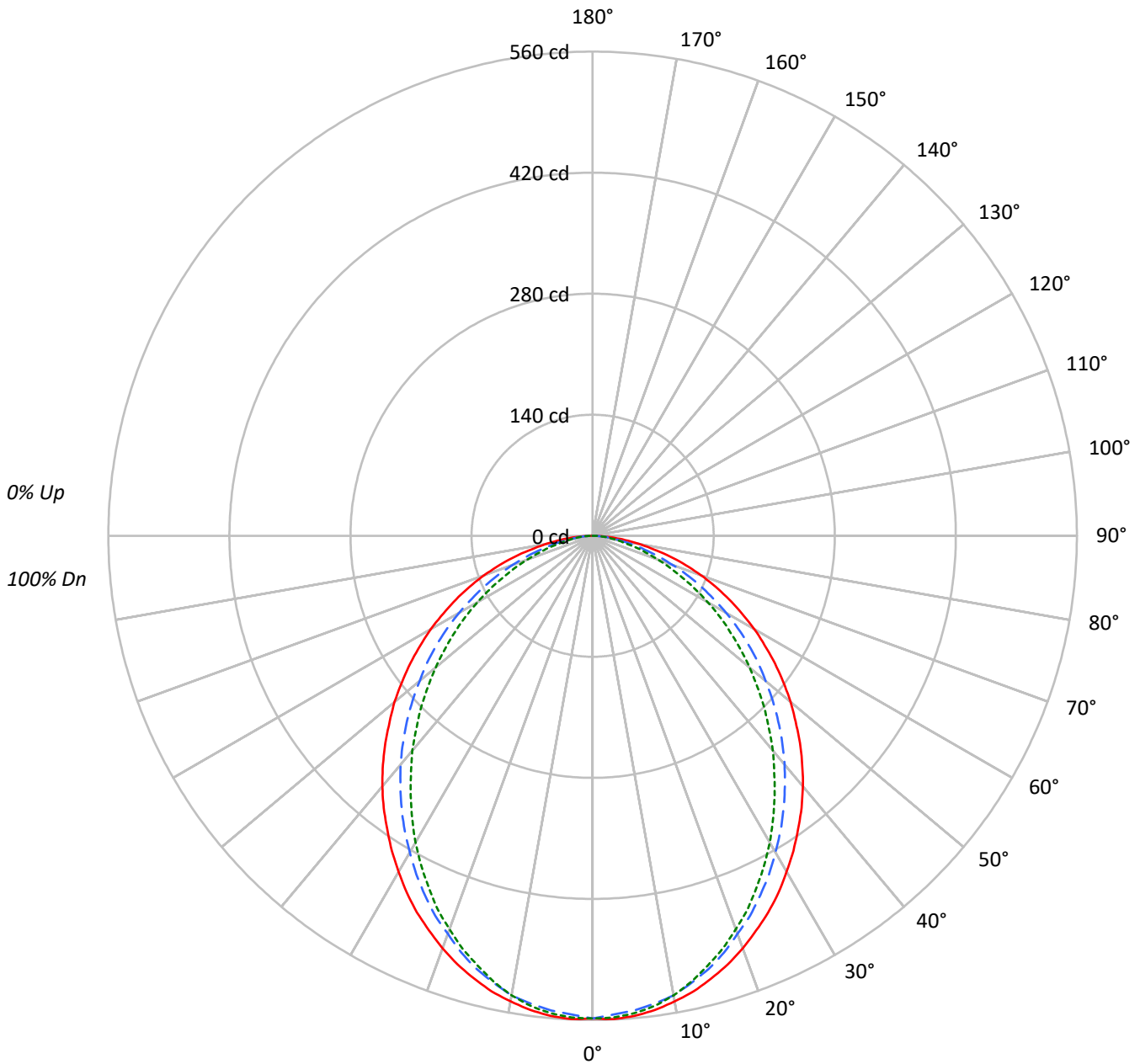
Lumens per Lamp: N/A
Luminaire Lumens: 1319.0 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 13.1
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				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				100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	86	80	98	90	84	79	87	82	78	84	79	76	81	77	74	72				72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61				61
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53				53
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46				46
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41				41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36				36
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33				33
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29				29
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3565	3565	3565
5°	3573	3533	3554
10°	3547	3500	3500
15°	3505	3429	3401
20°	3450	3329	3290
25°	3387	3232	3161
30°	3308	3119	3020
35°	3228	3002	2860
40°	3154	2879	2704
45°	3062	2742	2532
50°	2970	2593	2355
55°	2865	2452	2164
60°	2758	2277	1961
65°	2632	2078	1726
70°	2489	1826	1488
75°	2290	1540	1239
80°	2015	1210	1041
85°	1700	989	931



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.5	4.0
10°-20°	146.8	11.1
20°-30°	212.9	16.1
30°-40°	242.6	18.4
40°-50°	236.4	17.9
50°-60°	199.0	15.1
60°-70°	139.4	10.6
70°-80°	71.5	5.4
80°-90°	17.8	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°	412.3	31.3
0°-40°	654.9	49.6
0°-60°	1090.2	82.7
0°-90°	1319.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1319.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	558	558	558	558	558	
5°	557	556	551	555	554	53
15°	530	528	519	518	514	149
25°	481	474	459	453	449	221
35°	414	404	385	373	367	259
45°	339	327	304	287	280	261
55°	257	244	220	201	194	230
65°	174	160	138	120	114	172
75°	93	80	62	53	50	98
85°	23	16	14	13	13	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	558.3	558.3	558.3	558.3	558.3
2.5°	559.6	558.3	554.1	558.3	557.8
5°	557.4	555.8	551.1	555.3	554.4
7.5°	553.2	551.5	546.0	549.4	548.6
10°	546.9	545.6	539.7	541.0	539.7
12.5°	539.7	538.0	529.5	530.4	528.3
15°	530.1	527.5	518.6	518.2	514.4
17.5°	519.9	516.1	505.5	503.5	500.5
20°	507.6	503.5	489.9	487.8	484.1
22.5°	494.2	489.9	475.7	471.0	468.0
25°	480.6	474.3	458.7	453.3	448.6
27.5°	465.5	457.9	441.5	434.3	429.7
30°	448.6	440.7	422.9	413.3	409.5
32.5°	432.1	422.5	404.4	393.4	388.4
35°	414.1	404.0	385.0	372.8	366.8
37.5°	396.8	384.5	365.1	350.9	344.9
40°	378.3	365.6	345.3	329.3	324.3
42.5°	358.8	345.7	324.6	309.5	301.4
45°	339.0	326.9	303.6	286.7	280.4
47.5°	318.3	305.7	282.4	265.2	258.0
50°	298.9	285.0	261.0	243.3	237.0
52.5°	277.8	263.6	241.1	221.7	215.4
55°	257.3	243.7	220.2	201.2	194.4
57.5°	236.1	221.7	199.1	180.4	174.6
60°	215.9	201.2	178.3	159.8	153.5
62.5°	194.4	180.4	157.3	140.4	134.1
65°	174.2	159.8	137.5	120.5	114.2
67.5°	153.9	139.6	118.0	102.1	97.1
70°	133.3	118.9	97.8	84.7	79.7
72.5°	113.0	99.1	79.7	67.9	65.0
75°	92.8	80.1	62.4	53.2	50.2
77.5°	72.0	61.9	47.2	40.1	37.5
80°	54.8	44.7	32.9	29.1	28.3
82.5°	37.9	29.1	22.0	20.6	20.3
85°	23.2	15.6	13.5	13.1	12.7
87.5°	9.8	6.7	6.3	6.3	5.9
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)