

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: P888276

Luminaire Tested: **DPT5-6FO55-61V60-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: P888276
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: DPT5-6FO55-61V60-A-XX-UDD_4000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

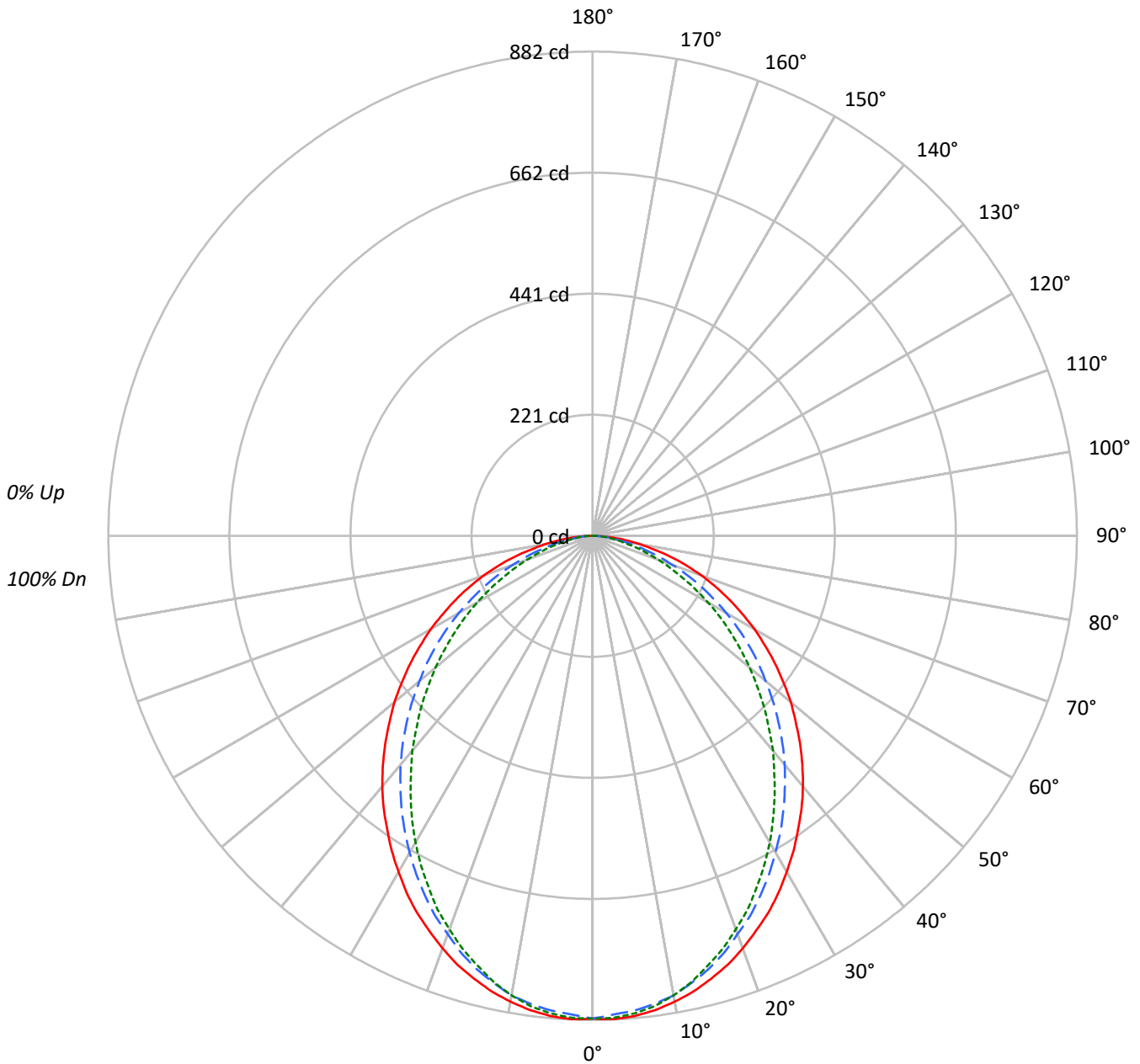
Lumens per Lamp: N/A
Luminaire Lumens: 2078.0 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 21.6
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			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°	5617	5617	5617
5°	5630	5566	5599
10°	5587	5513	5513
15°	5521	5402	5358
20°	5435	5246	5183
25°	5336	5093	4980
30°	5212	4913	4757
35°	5085	4728	4505
40°	4968	4535	4259
45°	4824	4319	3990
50°	4680	4085	3710
55°	4513	3862	3410
60°	4344	3589	3088
65°	4147	3273	2719
70°	3921	2876	2345
75°	3605	2426	1952
80°	3178	1909	1640
85°	2675	1561	1465



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.8	4.0
10°-20°	231.3	11.1
20°-30°	335.4	16.1
30°-40°	382.2	18.4
40°-50°	372.5	17.9
50°-60°	313.5	15.1
60°-70°	219.7	10.6
70°-80°	112.6	5.4
80°-90°	28.1	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°	649.5	31.3
0°-40°	1031.7	49.6
0°-60°	1717.6	82.7
0°-90°	2078.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2078.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	880	880	880	880	880	
5°	878	876	868	875	873	83
15°	835	831	817	816	810	235
25°	757	747	723	714	707	348
35°	652	636	606	587	578	408
45°	534	515	478	452	442	412
55°	405	384	347	317	306	362
65°	274	252	217	190	180	272
75°	146	126	98	84	79	154
85°	36	24	21	21	20	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	879.6	879.6	879.6	879.6	879.6
2.5°	881.5	879.6	872.9	879.6	878.8
5°	878.2	875.6	868.2	874.8	873.4
7.5°	871.6	868.9	860.2	865.5	864.3
10°	861.6	859.6	850.2	852.3	850.2
12.5°	850.2	847.5	834.2	835.6	832.4
15°	835.1	831.0	817.0	816.4	810.4
17.5°	819.1	813.2	796.4	793.2	788.5
20°	799.7	793.2	771.9	768.6	762.6
22.5°	778.5	771.9	749.5	742.1	737.3
25°	757.2	747.2	722.7	714.1	706.8
27.5°	733.4	721.4	695.5	684.3	677.0
30°	706.8	694.2	666.3	651.1	645.1
32.5°	680.8	665.7	637.1	619.8	611.9
35°	652.3	636.5	606.5	587.3	577.9
37.5°	625.1	605.8	575.2	552.8	543.3
40°	595.9	576.0	544.0	518.8	510.9
42.5°	565.2	544.7	511.4	487.6	474.9
45°	534.1	515.0	478.2	451.7	441.8
47.5°	501.4	481.7	445.0	417.9	406.5
50°	471.0	449.0	411.2	383.4	373.4
52.5°	437.7	415.3	379.9	349.3	339.4
55°	405.3	384.0	346.9	316.9	306.3
57.5°	372.0	349.3	313.6	284.3	275.0
60°	340.1	316.9	281.0	251.7	241.8
62.5°	306.3	284.3	247.8	221.2	211.2
65°	274.4	251.7	216.6	189.9	179.9
67.5°	242.4	220.0	185.9	160.8	152.9
70°	210.0	187.3	154.0	133.5	125.6
72.5°	178.1	156.1	125.6	107.0	102.4
75°	146.1	126.2	98.3	83.8	79.1
77.5°	113.5	97.6	74.3	63.2	59.1
80°	86.4	70.5	51.9	45.8	44.6
82.5°	59.8	45.8	34.6	32.4	31.9
85°	36.5	24.5	21.3	20.6	20.0
87.5°	15.4	10.6	10.0	10.0	9.2
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)