

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: P888259

Luminaire Tested: **DPT5-6FO55-37S30-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: P888259
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: DPT5-6FO55-37S30-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

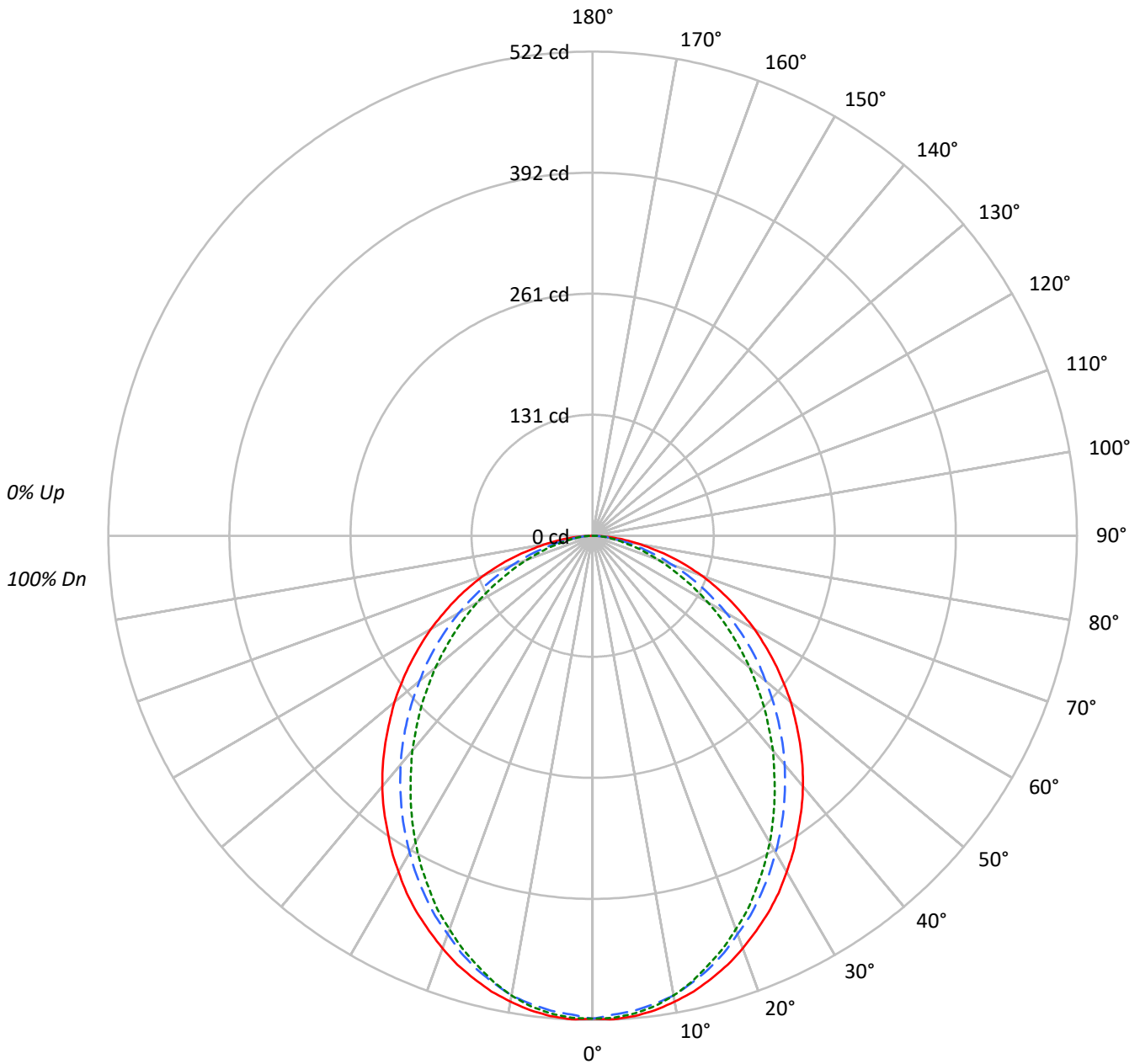
Lumens per Lamp: N/A
Luminaire Lumens: 1230.0 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P888259

CATALOG NUMBER: DPT5-6FO55-37S30-A-XX-UDD

Luminous Intensity Polar Plot





TEST NUMBER: P888259

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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°	3325	3325	3325
5°	3332	3294	3314
10°	3307	3264	3264
15°	3268	3197	3172
20°	3217	3105	3068
25°	3158	3014	2948
30°	3085	2908	2815
35°	3010	2799	2667
40°	2940	2684	2521
45°	2855	2557	2362
50°	2770	2418	2196
55°	2671	2286	2019
60°	2571	2124	1828
65°	2454	1937	1609
70°	2321	1703	1387
75°	2134	1436	1155
80°	1879	1129	971
85°	1583	923	865



TEST NUMBER: P888259

CATALOG NUMBER: DPT5-6FO55-37S30-A-XX-UDD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.0	4.0
10°-20°	136.9	11.1
20°-30°	198.5	16.1
30°-40°	226.2	18.4
40°-50°	220.5	17.9
50°-60°	185.6	15.1
60°-70°	130.0	10.6
70°-80°	66.7	5.4
80°-90°	16.6	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°	384.5	31.3
0°-40°	610.7	49.6
0°-60°	1016.7	82.7
0°-90°	1230.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1230.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	521	521	521	521	521	
5°	520	518	514	518	517	49
15°	494	492	484	483	480	139
25°	448	442	428	423	418	206
35°	386	377	359	348	342	242
45°	316	305	283	267	262	244
55°	240	227	205	188	181	214
65°	162	149	128	112	106	161
75°	86	75	58	50	47	91
85°	22	14	13	12	12	25
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	520.6	520.6	520.6	520.6	520.6
2.5°	521.8	520.6	516.7	520.6	520.2
5°	519.8	518.3	513.9	517.8	517.0
7.5°	515.9	514.3	509.2	512.3	511.6
10°	510.0	508.8	503.3	504.5	503.3
12.5°	503.3	501.7	493.8	494.6	492.7
15°	494.3	491.9	483.6	483.2	479.7
17.5°	484.8	481.3	471.4	469.5	466.7
20°	473.4	469.5	456.9	454.9	451.4
22.5°	460.8	456.9	443.6	439.2	436.4
25°	448.2	442.3	427.8	422.7	418.4
27.5°	434.1	427.0	411.7	405.0	400.7
30°	418.4	410.9	394.4	385.4	381.8
32.5°	403.0	394.0	377.1	366.9	362.2
35°	386.1	376.7	359.0	347.6	342.1
37.5°	370.0	358.6	340.5	327.2	321.6
40°	352.7	340.9	322.0	307.1	302.4
42.5°	334.6	322.4	302.7	288.6	281.1
45°	316.1	304.8	283.1	267.4	261.5
47.5°	296.8	285.1	263.4	247.3	240.6
50°	278.8	265.8	243.4	226.9	221.0
52.5°	259.1	245.8	224.9	206.8	200.9
55°	239.9	227.3	205.3	187.6	181.3
57.5°	220.2	206.8	185.6	168.3	162.8
60°	201.3	187.6	166.3	149.0	143.1
62.5°	181.3	168.3	146.7	130.9	125.0
65°	162.4	149.0	128.2	112.4	106.5
67.5°	143.5	130.2	110.1	95.2	90.5
70°	124.3	110.9	91.2	79.0	74.3
72.5°	105.4	92.4	74.3	63.3	60.6
75°	86.5	74.7	58.2	49.6	46.8
77.5°	67.2	57.8	44.0	37.4	35.0
80°	51.1	41.7	30.7	27.1	26.4
82.5°	35.4	27.1	20.5	19.2	18.9
85°	21.6	14.5	12.6	12.2	11.8
87.5°	9.1	6.3	5.9	5.9	5.5
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)