

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: P888490

Luminaire Tested: **DPT5-6FO44-61S30-F-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: P888490
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: DPT5-6FO44-61S30-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

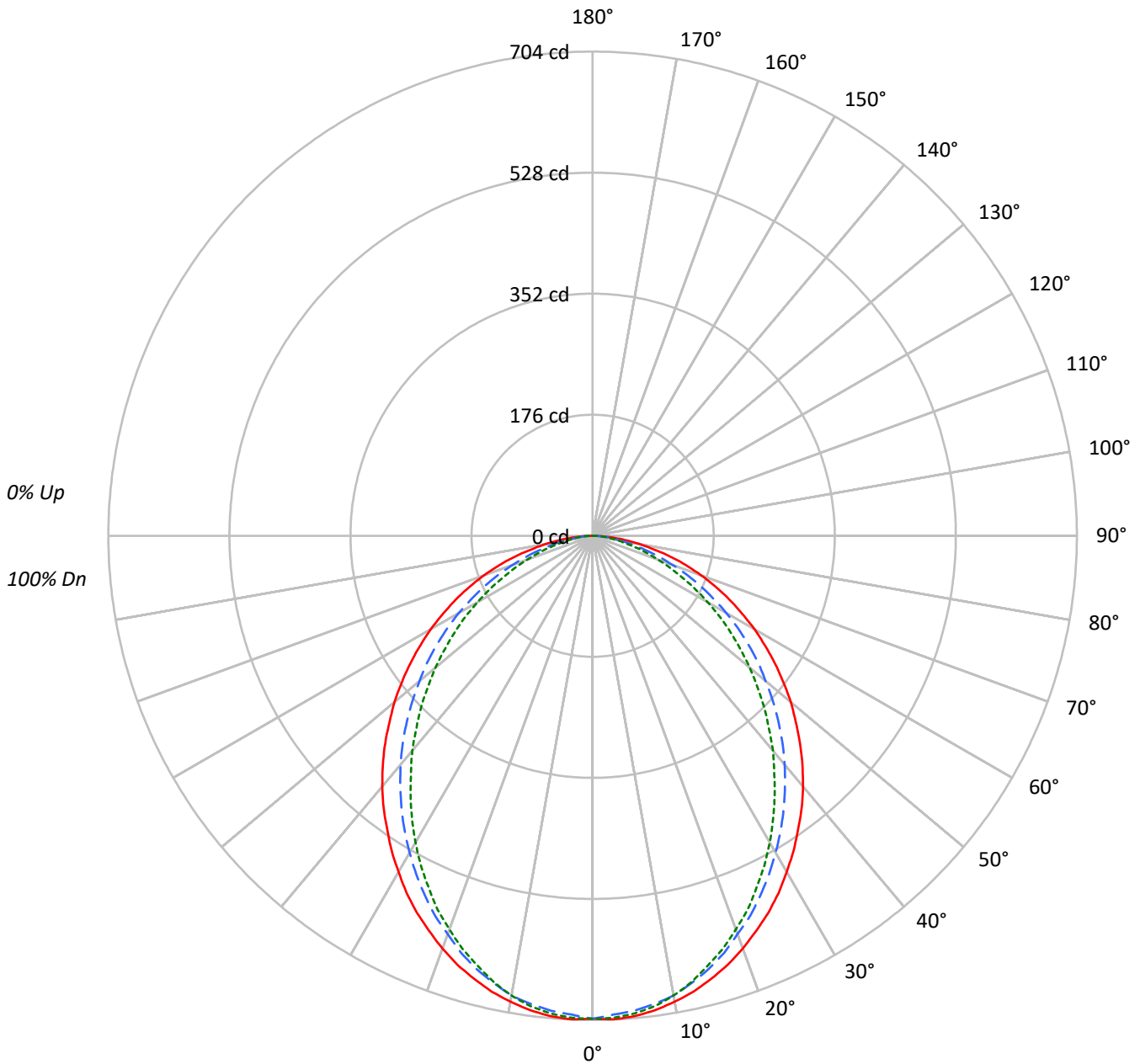
Lumens per Lamp: N/A
Luminaire Lumens: 1659.0 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 3.56' x H: 0')
CIE Type: Direct

Input Watts (W): 17.8
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°	5429	5429	5429
5°	5441	5379	5411
10°	5400	5329	5329
15°	5336	5220	5178
20°	5253	5069	5009
25°	5156	4922	4813
30°	5037	4748	4597
35°	4915	4570	4354
40°	4802	4383	4116
45°	4662	4174	3856
50°	4522	3948	3585
55°	4362	3732	3297
60°	4198	3468	2984
65°	4008	3163	2627
70°	3788	2780	2265
75°	3486	2345	1888
80°	3072	1843	1585
85°	2581	1508	1410



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	4.0
10°-20°	184.7	11.1
20°-30°	267.8	16.1
30°-40°	305.1	18.4
40°-50°	297.4	17.9
50°-60°	250.3	15.1
60°-70°	175.4	10.6
70°-80°	89.9	5.4
80°-90°	22.4	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°	518.6	31.3
0°-40°	823.6	49.6
0°-60°	1371.3	82.7
0°-90°	1659.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1659.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	702	702	702	702	702	
5°	701	699	693	698	697	66
15°	667	664	652	652	647	188
25°	604	597	577	570	564	278
35°	521	508	484	469	461	326
45°	426	411	382	361	353	329
55°	324	306	277	253	245	289
65°	219	201	173	152	144	217
75°	117	101	78	67	63	123
85°	29	20	17	16	16	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	702.2	702.2	702.2	702.2	702.2
2.5°	703.8	702.2	696.9	702.2	701.6
5°	701.1	699.1	693.2	698.4	697.3
7.5°	695.8	693.7	686.8	691.0	690.0
10°	687.9	686.3	678.8	680.5	678.8
12.5°	678.8	676.6	666.0	667.1	664.5
15°	666.7	663.5	652.2	651.8	647.0
17.5°	653.9	649.2	635.8	633.3	629.5
20°	638.5	633.3	616.2	613.6	608.9
22.5°	621.6	616.2	598.3	592.4	588.6
25°	604.5	596.6	577.0	570.1	564.3
27.5°	585.5	575.9	555.2	546.3	540.5
30°	564.3	554.3	531.9	519.8	515.0
32.5°	543.5	531.4	508.6	494.8	488.5
35°	520.8	508.1	484.2	468.9	461.4
37.5°	499.1	483.6	459.2	441.3	433.7
40°	475.8	459.8	434.3	414.2	407.9
42.5°	451.3	434.8	408.3	389.3	379.1
45°	426.4	411.1	381.8	360.7	352.7
47.5°	400.3	384.6	355.2	333.6	324.5
50°	376.0	358.5	328.3	306.1	298.1
52.5°	349.4	331.5	303.3	278.9	270.9
55°	323.6	306.5	276.9	253.0	244.6
57.5°	297.0	278.9	250.4	227.0	219.6
60°	271.5	253.0	224.3	201.0	193.0
62.5°	244.6	227.0	197.8	176.6	168.6
65°	219.1	201.0	172.9	151.6	143.6
67.5°	193.5	175.6	148.5	128.4	122.1
70°	167.6	149.5	123.0	106.5	100.2
72.5°	142.2	124.6	100.2	85.4	81.8
75°	116.7	100.7	78.5	66.9	63.2
77.5°	90.6	77.9	59.3	50.5	47.2
80°	69.0	56.3	41.4	36.6	35.6
82.5°	47.7	36.6	27.6	25.9	25.5
85°	29.1	19.6	17.0	16.4	15.9
87.5°	12.3	8.5	8.0	8.0	7.4
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)