

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: P888215

Luminaire Tested: **DPT5-6FO44-61S30-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: P888215
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-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

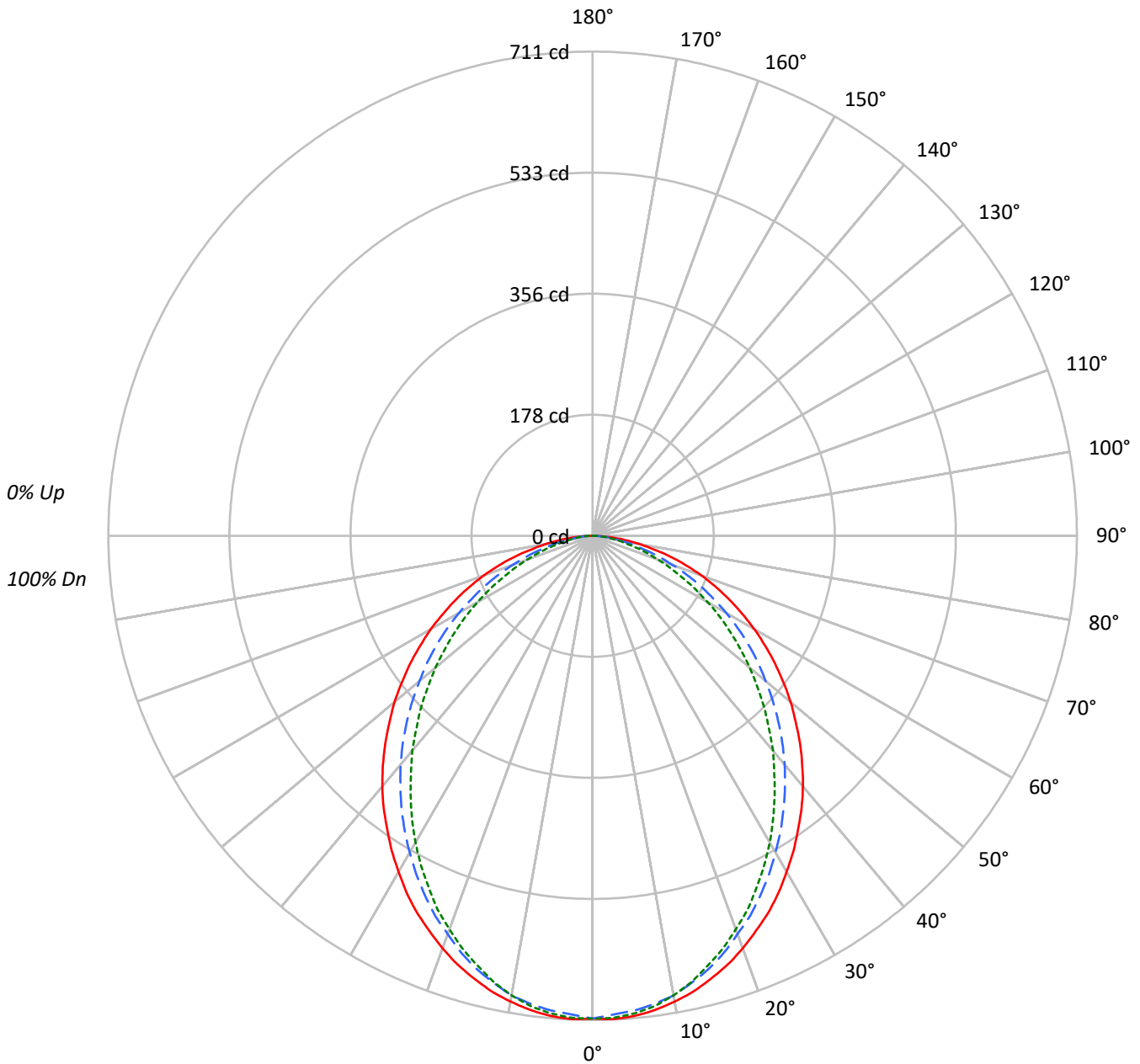
Lumens per Lamp: N/A
Luminaire Lumens: 1675.0 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 3.56' x L: 0.39' x H: 0')
CIE Type: Direct

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°	5481	5481	5481
5°	5494	5431	5463
10°	5452	5380	5380
15°	5387	5270	5229
20°	5303	5119	5057
25°	5207	4970	4860
30°	5086	4795	4642
35°	4962	4614	4396
40°	4847	4425	4156
45°	4707	4215	3893
50°	4565	3987	3620
55°	4403	3769	3328
60°	4238	3502	3013
65°	4046	3194	2652
70°	3827	2807	2287
75°	3519	2369	1906
80°	3099	1861	1603
85°	2608	1526	1428



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.7	4.0
10°-20°	186.5	11.1
20°-30°	270.4	16.1
30°-40°	308.0	18.4
40°-50°	300.2	17.9
50°-60°	252.7	15.1
60°-70°	177.1	10.6
70°-80°	90.8	5.4
80°-90°	22.6	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°	523.6	31.3
0°-40°	831.6	49.6
0°-60°	1384.5	82.7
0°-90°	1675.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1675.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	709	709	709	709	709	
5°	708	706	700	705	704	67
15°	673	670	658	658	653	190
25°	610	602	583	576	570	281
35°	526	513	489	473	466	329
45°	430	415	386	364	356	332
55°	327	310	280	256	247	292
65°	221	203	175	153	145	219
75°	118	102	79	68	64	125
85°	29	20	17	17	16	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	709.0	709.0	709.0	709.0	709.0
2.5°	710.6	709.0	703.6	709.0	708.4
5°	707.9	705.8	699.9	705.1	704.0
7.5°	702.5	700.4	693.4	697.7	696.7
10°	694.5	692.9	685.4	687.0	685.4
12.5°	685.4	683.2	672.4	673.5	671.0
15°	673.1	669.9	658.5	658.0	653.3
17.5°	660.2	655.5	641.9	639.4	635.6
20°	644.6	639.4	622.2	619.5	614.7
22.5°	627.5	622.2	604.1	598.1	594.3
25°	610.4	602.3	582.6	575.6	569.7
27.5°	591.2	581.5	560.6	551.6	545.7
30°	569.7	559.6	537.1	524.8	520.0
32.5°	548.8	536.6	513.5	499.6	493.3
35°	525.8	513.0	488.9	473.4	465.8
37.5°	503.9	488.3	463.7	445.6	437.9
40°	480.3	464.3	438.5	418.2	411.8
42.5°	455.6	439.0	412.2	393.0	382.8
45°	430.5	415.1	385.5	364.1	356.1
47.5°	404.2	388.3	358.7	336.8	327.7
50°	379.6	361.9	331.5	309.0	301.0
52.5°	352.8	334.7	306.2	281.6	273.5
55°	326.7	309.5	279.6	255.5	246.9
57.5°	299.9	281.6	252.8	229.1	221.7
60°	274.1	255.5	226.5	202.9	194.9
62.5°	246.9	229.1	199.7	178.3	170.2
65°	221.2	202.9	174.6	153.1	145.0
67.5°	195.4	177.3	149.9	129.6	123.3
70°	169.3	151.0	124.2	107.6	101.2
72.5°	143.5	125.8	101.2	86.2	82.5
75°	117.8	101.7	79.3	67.5	63.8
77.5°	91.5	78.7	59.9	51.0	47.7
80°	69.6	56.8	41.8	36.9	36.0
82.5°	48.2	36.9	27.9	26.1	25.7
85°	29.4	19.8	17.2	16.6	16.1
87.5°	12.4	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)