

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: P888222

Luminaire Tested: **DPT5-6FO44-61V60-A-XX-UDD_4500K**

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: P888222
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: DPT5-6FO44-61V60-A-XX-UDD_4500K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

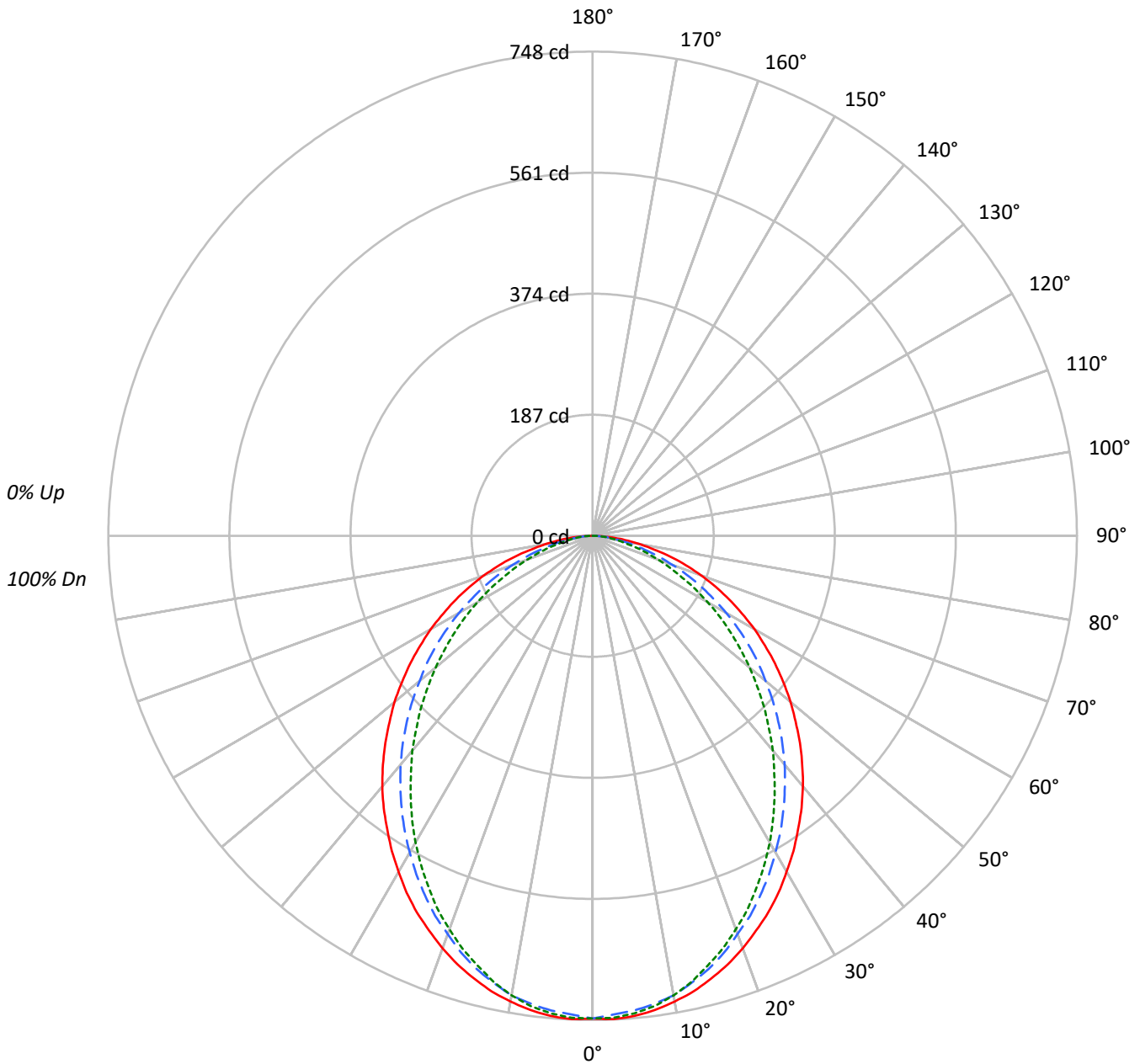
Lumens per Lamp: N/A
Luminaire Lumens: 1762.0 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 3.56' x L: 0.39' x H: 0')
CIE Type: Direct

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°	5766	5766	5766
5°	5779	5713	5747
10°	5735	5660	5660
15°	5667	5544	5500
20°	5579	5385	5320
25°	5477	5227	5112
30°	5350	5044	4883
35°	5220	4854	4624
40°	5099	4655	4372
45°	4950	4433	4096
50°	4802	4194	3808
55°	4632	3964	3502
60°	4459	3683	3170
65°	4257	3360	2790
70°	4023	2952	2407
75°	3701	2491	2004
80°	3259	1959	1683
85°	2741	1605	1499



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.2	4.0
10°-20°	196.2	11.1
20°-30°	284.4	16.1
30°-40°	324.0	18.4
40°-50°	315.8	17.9
50°-60°	265.8	15.1
60°-70°	186.3	10.6
70°-80°	95.5	5.4
80°-90°	23.8	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°	550.8	31.3
0°-40°	874.8	49.6
0°-60°	1456.4	82.7
0°-90°	1762.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1762.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	746	746	746	746	746	
5°	745	742	736	742	741	71
15°	708	705	693	692	687	200
25°	642	634	613	606	599	296
35°	553	540	514	498	490	346
45°	453	437	406	383	375	349
55°	344	326	294	269	260	307
65°	233	214	184	161	152	230
75°	124	107	83	71	67	131
85°	31	21	18	17	17	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	745.8	745.8	745.8	745.8	745.8
2.5°	747.5	745.8	740.2	745.8	745.2
5°	744.7	742.5	736.2	741.7	740.6
7.5°	739.0	736.7	729.4	733.9	732.9
10°	730.6	728.9	721.0	722.7	721.0
12.5°	721.0	718.7	707.4	708.5	705.8
15°	708.1	704.7	692.7	692.2	687.2
17.5°	694.5	689.5	675.3	672.6	668.6
20°	678.1	672.6	654.5	651.7	646.7
22.5°	660.1	654.5	635.5	629.2	625.1
25°	642.1	633.6	612.8	605.5	599.3
27.5°	621.9	611.7	589.7	580.2	574.0
30°	599.3	588.7	565.0	552.1	547.0
32.5°	577.3	564.4	540.2	525.6	518.9
35°	553.1	539.7	514.3	498.0	490.0
37.5°	530.1	513.7	487.7	468.7	460.7
40°	505.3	488.4	461.3	439.9	433.2
42.5°	479.3	461.8	433.6	413.4	402.7
45°	452.8	436.6	405.5	383.0	374.6
47.5°	425.2	408.4	377.3	354.3	344.7
50°	399.3	380.7	348.7	325.1	316.6
52.5°	371.1	352.1	322.1	296.2	287.8
55°	343.7	325.6	294.1	268.7	259.8
57.5°	315.4	296.2	265.9	241.0	233.2
60°	288.4	268.7	238.2	213.5	205.0
62.5°	259.8	241.0	210.1	187.6	179.1
65°	232.7	213.5	183.7	161.0	152.5
67.5°	205.5	186.5	157.7	136.4	129.7
70°	178.0	158.8	130.6	113.2	106.5
72.5°	151.0	132.4	106.5	90.7	86.8
75°	123.9	107.0	83.4	71.1	67.1
77.5°	96.2	82.8	63.0	53.6	50.2
80°	73.2	59.8	44.0	38.9	37.8
82.5°	50.7	38.9	29.4	27.5	27.1
85°	30.9	20.8	18.1	17.4	16.9
87.5°	13.1	9.0	8.5	8.5	7.8
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)