

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: P888218

Luminaire Tested: **DPT5-6FO44-61V60-A-XX-UDD_2700K**

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: P888218
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_2700K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

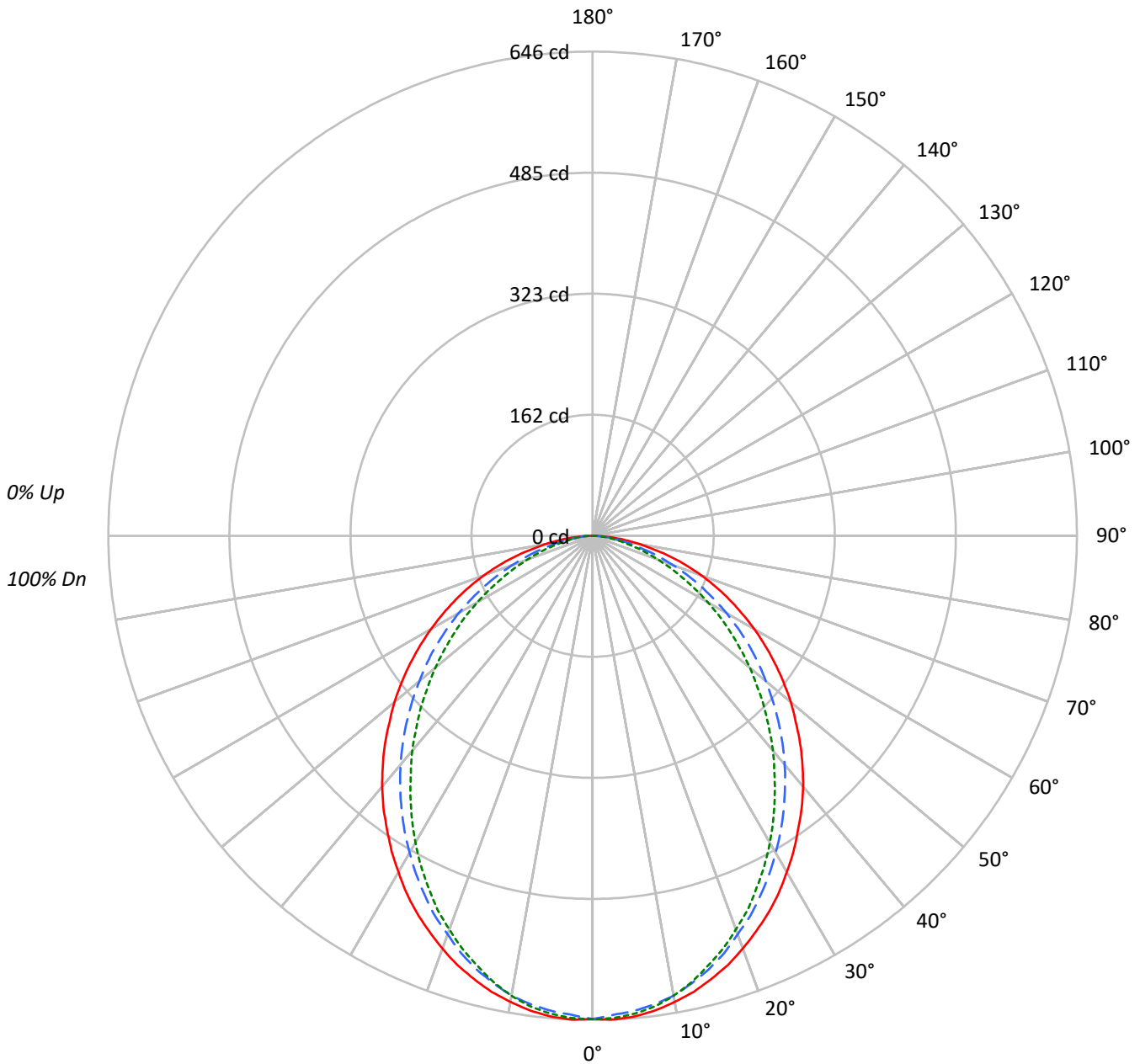
Lumens per Lamp: N/A
Luminaire Lumens: 1523.0 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 3.56' x L: 0.39' x H: 0')
CIE Type: Direct

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°	4984	4984	4984
5°	4995	4938	4967
10°	4957	4892	4892
15°	4899	4793	4754
20°	4822	4654	4598
25°	4734	4518	4419
30°	4624	4359	4221
35°	4512	4195	3998
40°	4408	4024	3778
45°	4279	3832	3540
50°	4152	3625	3291
55°	4003	3426	3026
60°	3855	3184	2740
65°	3679	2905	2413
70°	3479	2552	2080
75°	3199	2154	1732
80°	2818	1692	1456
85°	2368	1384	1295



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.7	4.0
10°-20°	169.5	11.1
20°-30°	245.8	16.1
30°-40°	280.1	18.4
40°-50°	273.0	17.9
50°-60°	229.7	15.1
60°-70°	161.0	10.6
70°-80°	82.5	5.4
80°-90°	20.6	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°	476.1	31.3
0°-40°	756.1	49.6
0°-60°	1258.9	82.7
0°-90°	1523.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1523.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	645	645	645	645	645	
5°	644	642	636	641	640	61
15°	612	609	599	598	594	173
25°	555	548	530	523	518	255
35°	478	466	444	430	424	299
45°	391	377	350	331	324	302
55°	297	281	254	232	224	266
65°	201	184	159	139	132	199
75°	107	92	72	61	58	113
85°	27	18	16	15	15	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	644.7	644.7	644.7	644.7	644.7
2.5°	646.1	644.7	639.8	644.7	644.1
5°	643.7	641.8	636.3	641.1	640.1
7.5°	638.8	636.8	630.5	634.4	633.5
10°	631.5	630.0	623.2	624.7	623.2
12.5°	623.2	621.2	611.4	612.4	610.1
15°	612.1	609.1	598.8	598.3	594.0
17.5°	600.3	596.0	583.7	581.3	577.9
20°	586.1	581.3	565.7	563.3	558.9
22.5°	570.6	565.7	549.3	543.9	540.3
25°	555.0	547.7	529.7	523.4	518.0
27.5°	537.5	528.7	509.7	501.5	496.2
30°	518.0	508.8	488.3	477.2	472.8
32.5°	499.0	487.9	466.9	454.3	448.5
35°	478.1	466.5	444.5	430.4	423.6
37.5°	458.2	444.0	421.6	405.1	398.2
40°	436.8	422.1	398.7	380.2	374.4
42.5°	414.3	399.2	374.8	357.4	348.1
45°	391.4	377.4	350.5	331.1	323.8
47.5°	367.5	353.0	326.1	306.3	297.9
50°	345.2	329.1	301.4	281.0	273.6
52.5°	320.8	304.4	278.4	256.0	248.7
55°	297.0	281.4	254.2	232.3	224.5
57.5°	272.7	256.0	229.8	208.4	201.6
60°	249.3	232.3	205.9	184.5	177.2
62.5°	224.5	208.4	181.6	162.1	154.8
65°	201.1	184.5	158.8	139.2	131.9
67.5°	177.6	161.2	136.3	117.9	112.1
70°	153.9	137.3	112.9	97.8	92.0
72.5°	130.5	114.4	92.0	78.4	75.1
75°	107.1	92.5	72.1	61.4	58.0
77.5°	83.2	71.5	54.5	46.3	43.4
80°	63.3	51.7	38.0	33.6	32.7
82.5°	43.8	33.6	25.4	23.8	23.4
85°	26.7	18.0	15.6	15.1	14.6
87.5°	11.3	7.8	7.3	7.3	6.8
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)