

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: P888219

Luminaire Tested: **DPT5-6FO44-61V60-A-XX-UDD_3000K**

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: P888219
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_3000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

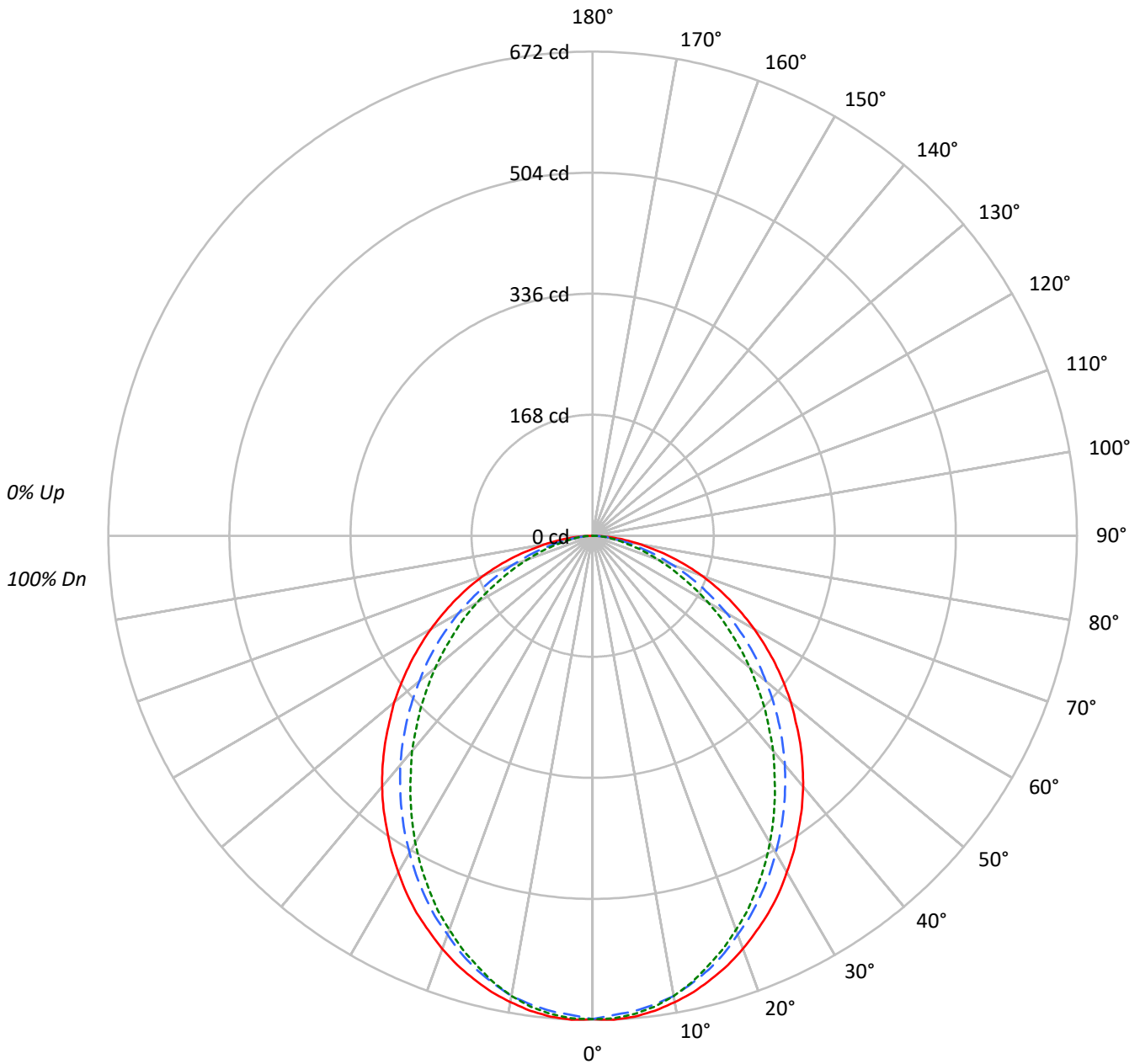
Lumens per Lamp: N/A
Luminaire Lumens: 1585.0 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 3.56' x L: 0.39' x H: 0')
CIE Type: Direct

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°	5187	5187	5187
5°	5199	5140	5170
10°	5159	5091	5091
15°	5098	4988	4948
20°	5018	4844	4786
25°	4927	4702	4599
30°	4812	4537	4392
35°	4696	4366	4160
40°	4587	4188	3933
45°	4454	3988	3684
50°	4320	3772	3425
55°	4166	3566	3150
60°	4011	3313	2851
65°	3829	3022	2510
70°	3621	2656	2165
75°	3330	2240	1801
80°	2934	1763	1514
85°	2466	1446	1348



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.1	4.0
10°-20°	176.4	11.1
20°-30°	255.8	16.1
30°-40°	291.5	18.4
40°-50°	284.1	17.9
50°-60°	239.1	15.1
60°-70°	167.5	10.6
70°-80°	85.9	5.4
80°-90°	21.4	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°	495.4	31.3
0°-40°	786.9	49.6
0°-60°	1310.1	82.7
0°-90°	1585.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1585.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	671	671	671	671	671	
5°	670	668	662	667	666	64
15°	637	634	623	623	618	180
25°	578	570	551	545	539	266
35°	498	486	463	448	441	312
45°	407	393	365	345	337	314
55°	309	293	265	242	234	276
65°	209	192	165	145	137	207
75°	112	96	75	64	60	118
85°	28	19	16	16	15	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	670.9	670.9	670.9	670.9	670.9
2.5°	672.4	670.9	665.8	670.9	670.3
5°	669.9	667.9	662.3	667.2	666.2
7.5°	664.8	662.7	656.1	660.2	659.2
10°	657.2	655.7	648.5	650.1	648.5
12.5°	648.5	646.5	636.3	637.3	634.9
15°	637.0	633.9	623.2	622.7	618.2
17.5°	624.7	620.2	607.5	605.0	601.4
20°	610.0	605.0	588.8	586.2	581.7
22.5°	593.8	588.8	571.6	566.0	562.3
25°	577.6	570.0	551.2	544.7	539.1
27.5°	559.4	550.2	530.5	521.9	516.4
30°	539.1	529.5	508.2	496.6	492.0
32.5°	519.3	507.7	485.9	472.8	466.8
35°	497.6	485.5	462.6	448.0	440.8
37.5°	476.8	462.1	438.7	421.6	414.4
40°	454.5	439.3	415.0	395.7	389.7
42.5°	431.1	415.4	390.1	371.9	362.2
45°	407.4	392.8	364.8	344.6	337.0
47.5°	382.4	367.4	339.4	318.7	310.1
50°	359.2	342.5	313.6	292.4	284.8
52.5°	333.9	316.7	289.8	266.5	258.8
55°	309.1	292.9	264.6	241.7	233.7
57.5°	283.8	266.5	239.2	216.8	209.8
60°	259.4	241.7	214.3	192.0	184.4
62.5°	233.7	216.8	189.0	168.7	161.1
65°	209.3	192.0	165.2	144.8	137.2
67.5°	184.9	167.8	141.8	122.7	116.6
70°	160.2	142.9	117.5	101.8	95.8
72.5°	135.8	119.1	95.8	81.6	78.1
75°	111.5	96.2	75.0	63.9	60.3
77.5°	86.6	74.4	56.7	48.2	45.1
80°	65.9	53.8	39.6	35.0	34.0
82.5°	45.6	35.0	26.4	24.7	24.3
85°	27.8	18.7	16.3	15.7	15.2
87.5°	11.7	8.1	7.6	7.6	7.0
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)