

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: P888213

Luminaire Tested: **DPT5-6FO44-37V60-A-XX-UDD_6500K**

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: P888213
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: DPT5-6FO44-37V60-A-XX-UDD_6500K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

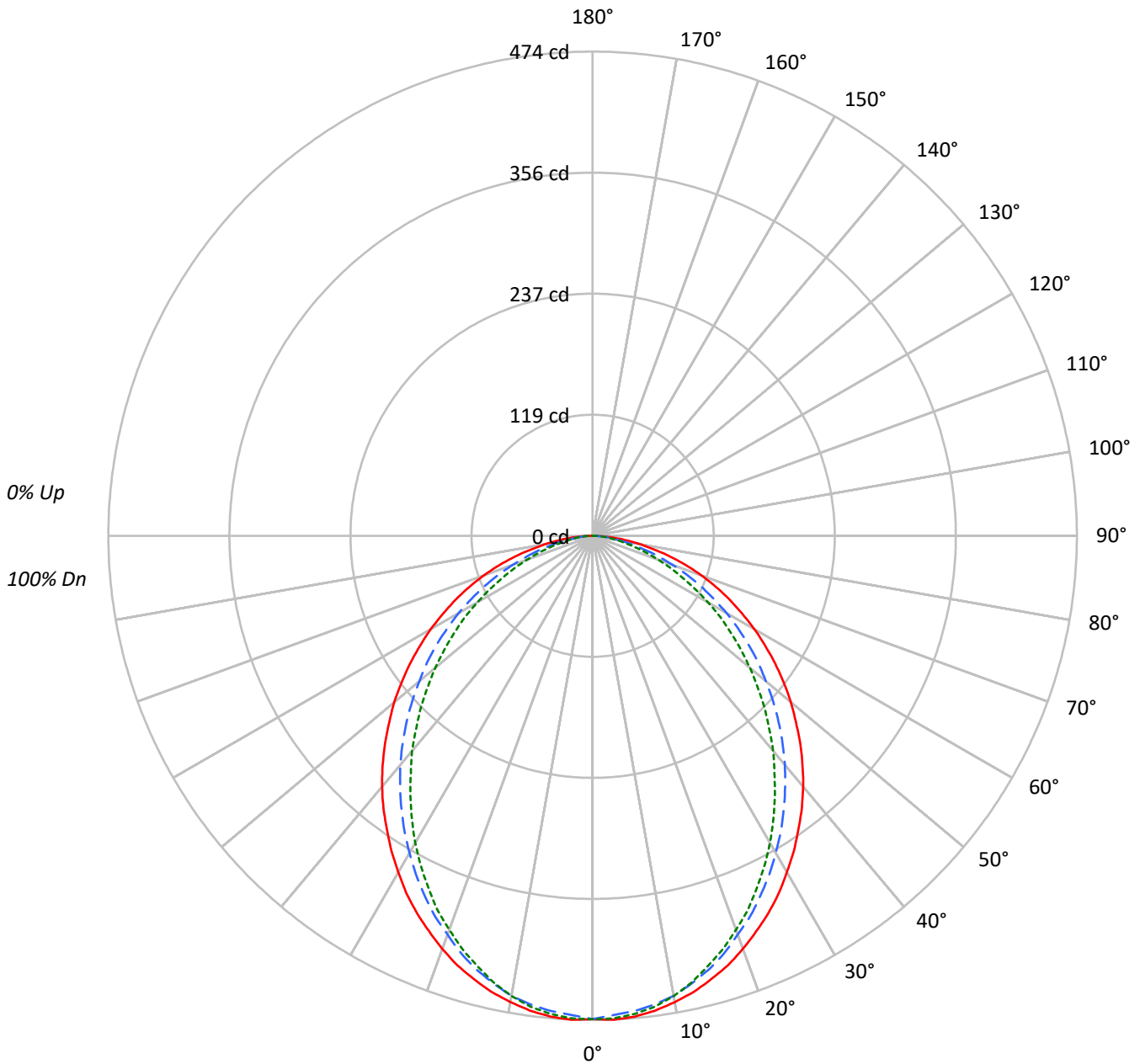
Lumens per Lamp: N/A
Luminaire Lumens: 1118.0 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 3.56' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 10.8
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°	3658	3658	3658
5°	3667	3625	3647
10°	3639	3591	3591
15°	3596	3518	3490
20°	3540	3417	3376
25°	3475	3316	3244
30°	3395	3200	3098
35°	3313	3079	2934
40°	3235	2954	2774
45°	3141	2813	2599
50°	3048	2660	2416
55°	2940	2515	2221
60°	2829	2338	2012
65°	2700	2131	1771
70°	2554	1874	1528
75°	2348	1580	1272
80°	2070	1242	1068
85°	1739	1020	949



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.5	4.0
10°-20°	124.5	11.1
20°-30°	180.5	16.1
30°-40°	205.6	18.4
40°-50°	200.4	17.9
50°-60°	168.7	15.1
60°-70°	118.2	10.6
70°-80°	60.6	5.4
80°-90°	15.1	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°	349.5	31.3
0°-40°	555.1	49.6
0°-60°	924.1	82.7
0°-90°	1118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1118.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	473	473	473	473	473	
5°	472	471	467	471	470	45
15°	449	447	440	439	436	127
25°	407	402	389	384	380	188
35°	351	342	326	316	311	220
45°	287	277	257	243	238	222
55°	218	207	187	170	165	195
65°	148	135	116	102	97	146
75°	79	68	53	45	43	83
85°	20	13	12	11	11	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	473.2	473.2	473.2	473.2	473.2
2.5°	474.3	473.2	469.6	473.2	472.8
5°	472.5	471.1	467.1	470.6	469.9
7.5°	468.9	467.5	462.8	465.7	465.0
10°	463.5	462.5	457.4	458.6	457.4
12.5°	457.4	456.0	448.8	449.6	447.8
15°	449.3	447.1	439.5	439.2	436.0
17.5°	440.7	437.5	428.5	426.8	424.2
20°	430.3	426.8	415.3	413.5	410.3
22.5°	418.9	415.3	403.2	399.2	396.7
25°	407.4	402.0	388.8	384.2	380.3
27.5°	394.6	388.1	374.2	368.1	364.2
30°	380.3	373.5	358.5	350.3	347.1
32.5°	366.3	358.1	342.8	333.5	329.2
35°	351.0	342.4	326.3	316.0	310.9
37.5°	336.3	325.9	309.5	297.4	292.3
40°	320.6	309.9	292.7	279.1	274.9
42.5°	304.1	293.0	275.1	262.3	255.5
45°	287.3	277.1	257.3	243.0	237.7
47.5°	269.8	259.2	239.4	224.8	218.7
50°	253.4	241.6	221.2	206.2	200.9
52.5°	235.5	223.4	204.4	188.0	182.6
55°	218.1	206.6	186.6	170.5	164.8
57.5°	200.2	188.0	168.7	152.9	148.0
60°	183.0	170.5	151.2	135.4	130.1
62.5°	164.8	152.9	133.3	119.0	113.6
65°	147.6	135.4	116.5	102.2	96.8
67.5°	130.4	118.3	100.0	86.5	82.3
70°	113.0	100.8	82.9	71.8	67.6
72.5°	95.8	84.0	67.6	57.5	55.1
75°	78.6	67.9	52.9	45.1	42.6
77.5°	61.1	52.5	40.0	34.0	31.8
80°	46.5	37.9	27.9	24.7	24.0
82.5°	32.2	24.7	18.6	17.4	17.2
85°	19.6	13.2	11.5	11.1	10.7
87.5°	8.3	5.7	5.4	5.4	5.0
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)