

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: P888223

Luminaire Tested: **DPT5-6FO44-61V60-A-XX-UDD_5000K**

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: P888223
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_5000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

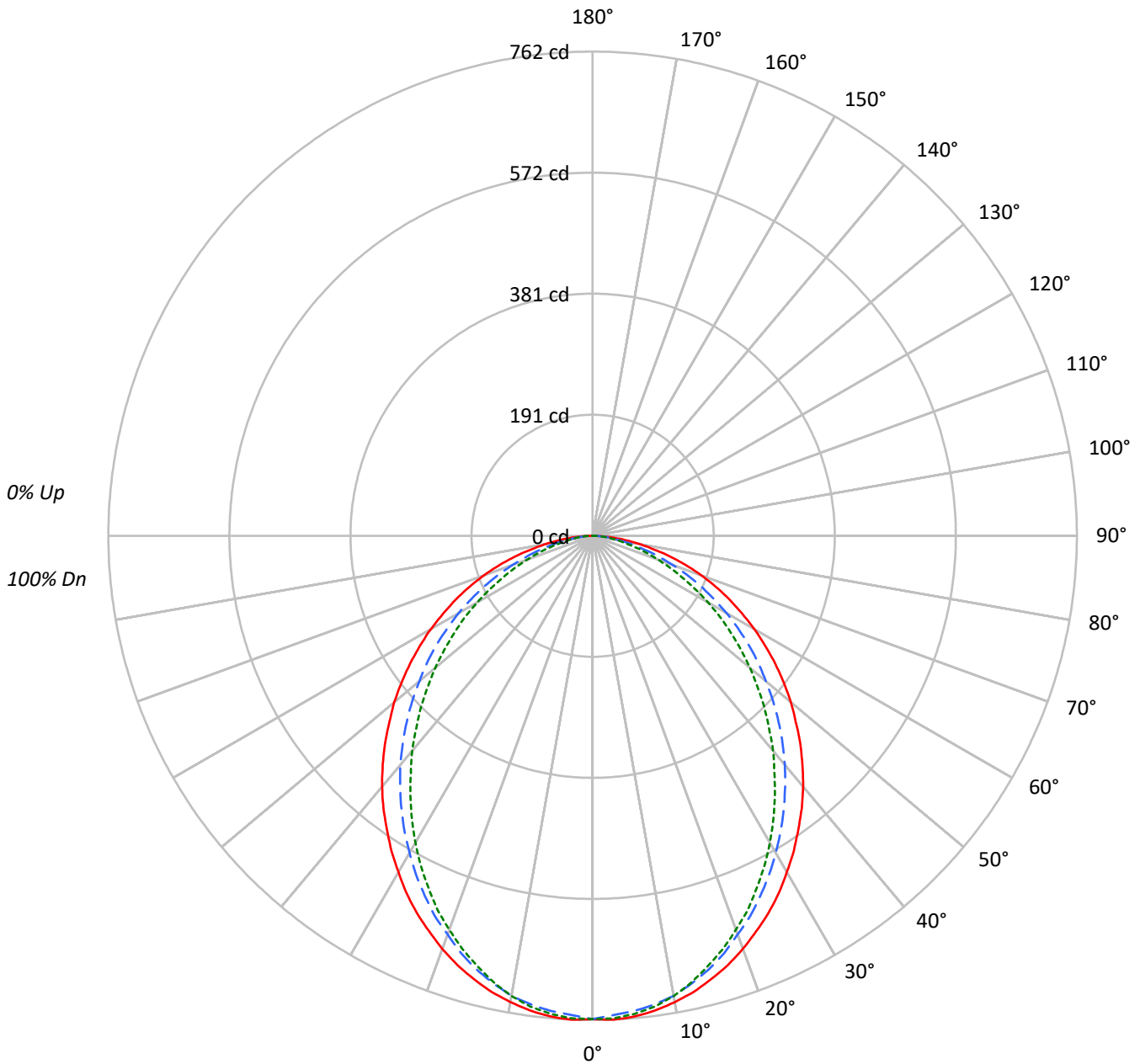
Lumens per Lamp: N/A
Luminaire Lumens: 1797.0 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 3.56' x L: 0.39' x H: 0')
CIE Type: Direct

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°	5880	5880	5880
5°	5894	5826	5861
10°	5849	5772	5772
15°	5780	5654	5610
20°	5690	5491	5426
25°	5585	5331	5214
30°	5456	5144	4979
35°	5324	4950	4717
40°	5200	4748	4459
45°	5049	4522	4176
50°	4899	4277	3884
55°	4724	4043	3570
60°	4547	3757	3233
65°	4341	3426	2846
70°	4105	3011	2455
75°	3776	2539	2043
80°	3326	1999	1718
85°	2794	1632	1535



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.6	4.0
10°-20°	200.0	11.1
20°-30°	290.1	16.1
30°-40°	330.5	18.4
40°-50°	322.1	17.9
50°-60°	271.1	15.1
60°-70°	190.0	10.6
70°-80°	97.4	5.4
80°-90°	24.3	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°	561.7	31.3
0°-40°	892.2	49.6
0°-60°	1485.3	82.7
0°-90°	1797.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1797.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	761	761	761	761	761	
5°	760	757	751	756	755	72
15°	722	719	706	706	701	204
25°	655	646	625	618	611	301
35°	564	550	524	508	500	353
45°	462	445	414	391	382	356
55°	350	332	300	274	265	313
65°	237	218	187	164	156	235
75°	126	109	85	72	68	134
85°	32	21	18	18	17	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	760.6	760.6	760.6	760.6	760.6
2.5°	762.3	760.6	754.9	760.6	760.0
5°	759.5	757.2	750.8	756.5	755.3
7.5°	753.7	751.4	743.9	748.5	747.4
10°	745.1	743.4	735.3	737.1	735.3
12.5°	735.3	732.9	721.4	722.6	719.8
15°	722.2	718.6	706.5	706.0	700.9
17.5°	708.3	703.2	688.7	685.9	681.9
20°	691.6	685.9	667.5	664.6	659.5
22.5°	673.3	667.5	648.1	641.7	637.6
25°	654.8	646.2	625.0	617.5	611.2
27.5°	634.3	623.8	601.4	591.7	585.4
30°	611.2	600.4	576.2	563.1	557.8
32.5°	588.8	575.6	550.9	536.0	529.2
35°	564.1	550.4	524.5	507.9	499.8
37.5°	540.6	523.9	497.4	478.0	469.8
40°	515.3	498.1	470.5	448.6	441.8
42.5°	488.8	471.0	442.2	421.7	410.7
45°	461.8	445.3	413.6	390.7	382.0
47.5°	433.6	416.5	384.8	361.3	351.5
50°	407.3	388.3	355.6	331.5	322.9
52.5°	378.5	359.1	328.5	302.1	293.5
55°	350.5	332.0	300.0	274.1	264.9
57.5°	321.7	302.1	271.2	245.8	237.8
60°	294.1	274.1	243.0	217.7	209.1
62.5°	264.9	245.8	214.3	191.3	182.6
65°	237.3	217.7	187.3	164.2	155.6
67.5°	209.6	190.2	160.8	139.1	132.2
70°	181.6	162.0	133.2	115.4	108.6
72.5°	154.0	135.0	108.6	92.5	88.6
75°	126.4	109.1	85.0	72.5	68.4
77.5°	98.1	84.4	64.3	54.7	51.1
80°	74.7	61.0	44.9	39.6	38.6
82.5°	51.7	39.6	29.9	28.0	27.6
85°	31.5	21.2	18.4	17.8	17.3
87.5°	13.3	9.2	8.6	8.6	8.0
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)