

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: P888551

Luminaire Tested: **DPT5-6FO55-61V60-F-XX-UDD_4000K**

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: P888551
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: DPT5-6FO55-61V60-F-XX-UDD_4000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

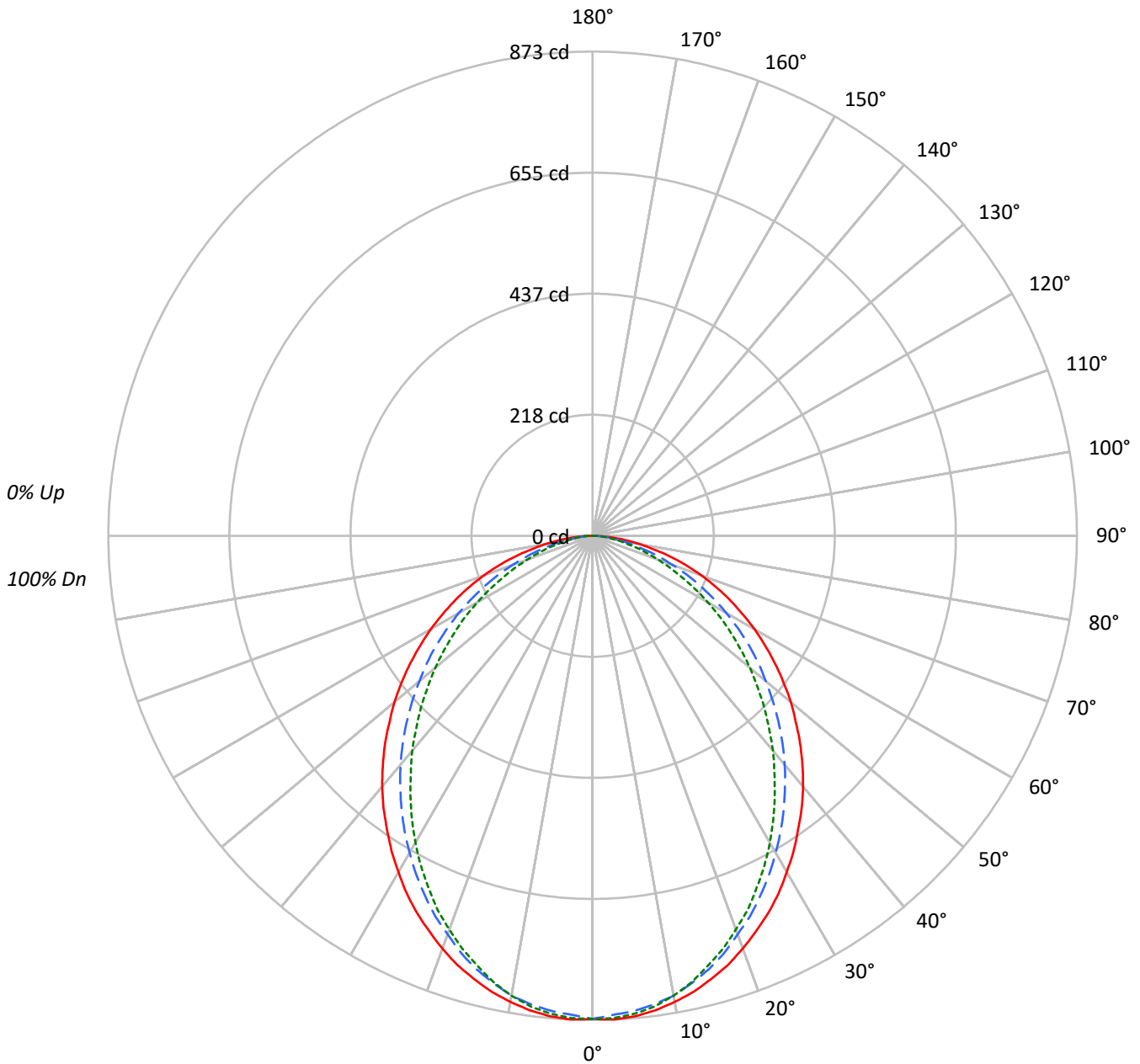
Lumens per Lamp: N/A
Luminaire Lumens: 2058.0 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

Input Watts (W): 21.6
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°	5563	5563	5563
5°	5576	5513	5545
10°	5534	5461	5461
15°	5468	5349	5306
20°	5383	5195	5133
25°	5284	5044	4933
30°	5162	4866	4711
35°	5037	4683	4463
40°	4920	4492	4218
45°	4777	4277	3951
50°	4634	4046	3674
55°	4469	3825	3378
60°	4302	3553	3058
65°	4107	3241	2693
70°	3884	2848	2323
75°	3570	2403	1932
80°	3144	1890	1626
85°	2645	1546	1451



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	4.0
10°-20°	229.1	11.1
20°-30°	332.2	16.1
30°-40°	378.5	18.4
40°-50°	368.9	17.9
50°-60°	310.5	15.1
60°-70°	217.5	10.6
70°-80°	111.5	5.4
80°-90°	27.8	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°	643.3	31.3
0°-40°	1021.8	49.6
0°-60°	1701.1	82.7
0°-90°	2058.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2058.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	871	871	871	871	871	
5°	870	867	860	866	865	82
15°	827	823	809	808	803	233
25°	750	740	716	707	700	345
35°	646	630	601	582	572	405
45°	529	510	474	447	438	408
55°	401	380	344	314	303	359
65°	272	249	214	188	178	269
75°	145	125	97	83	78	153
85°	36	24	21	20	20	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	871.1	871.1	871.1	871.1	871.1
2.5°	873.1	871.1	864.5	871.1	870.4
5°	869.8	867.2	859.9	866.4	865.0
7.5°	863.2	860.5	851.9	857.2	856.0
10°	853.3	851.3	842.1	844.1	842.1
12.5°	842.1	839.4	826.2	827.5	824.4
15°	827.1	823.0	809.1	808.5	802.6
17.5°	811.2	805.3	788.7	785.6	780.9
20°	792.0	785.6	764.4	761.2	755.3
22.5°	771.0	764.4	742.2	734.9	730.2
25°	749.9	740.0	715.8	707.2	700.0
27.5°	726.4	714.4	688.8	677.7	670.5
30°	700.0	687.6	659.9	644.9	638.9
32.5°	674.3	659.3	630.9	613.9	606.0
35°	646.1	630.3	600.7	581.6	572.4
37.5°	619.1	599.9	569.7	547.5	538.1
40°	590.2	570.4	538.8	513.8	506.0
42.5°	559.8	539.4	506.5	482.9	470.3
45°	528.9	510.0	473.6	447.4	437.5
47.5°	496.6	477.0	440.7	413.8	402.6
50°	466.4	444.7	407.2	379.7	369.8
52.5°	433.5	411.3	376.2	346.0	336.1
55°	401.4	380.3	343.5	313.9	303.4
57.5°	368.4	346.0	310.6	281.5	272.4
60°	336.8	313.9	278.2	249.3	239.4
62.5°	303.4	281.5	245.4	219.1	209.2
65°	271.8	249.3	214.5	188.1	178.2
67.5°	240.0	217.8	184.2	159.3	151.4
70°	208.0	185.5	152.5	132.2	124.4
72.5°	176.3	154.6	124.4	105.9	101.4
75°	144.7	125.0	97.4	83.0	78.3
77.5°	112.4	96.7	73.6	62.6	58.6
80°	85.5	69.8	51.4	45.4	44.2
82.5°	59.2	45.4	34.3	32.1	31.6
85°	36.1	24.3	21.1	20.4	19.8
87.5°	15.3	10.5	9.9	9.9	9.2
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)