

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: P888537

Luminaire Tested: **DPT5-6FO55-37V60-F-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: P888537
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: DPT5-6FO55-37V60-F-XX-UDD_2700K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

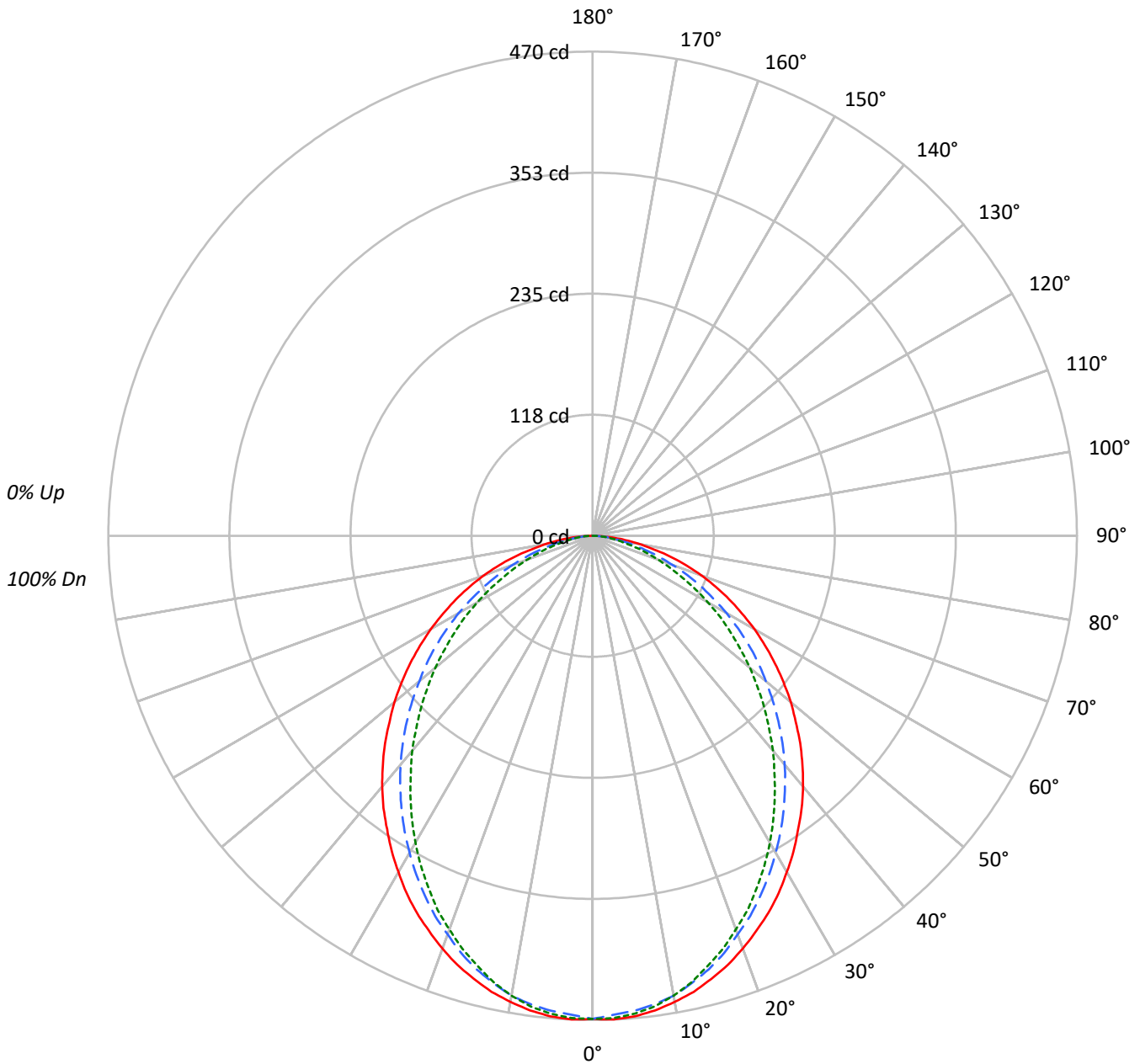
Lumens per Lamp: N/A
Luminaire Lumens: 1108.0 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

Input Watts (W): 13.1
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°	2995	2995	2995
5°	3002	2968	2985
10°	2979	2940	2940
15°	2944	2880	2857
20°	2898	2797	2763
25°	2845	2716	2656
30°	2779	2620	2537
35°	2712	2521	2403
40°	2649	2418	2271
45°	2572	2303	2127
50°	2495	2179	1978
55°	2406	2060	1818
60°	2316	1913	1646
65°	2211	1745	1449
70°	2091	1533	1251
75°	1922	1293	1041
80°	1695	1019	875
85°	1422	835	777



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.1	4.0
10°-20°	123.3	11.1
20°-30°	178.9	16.1
30°-40°	203.8	18.4
40°-50°	198.6	17.9
50°-60°	167.1	15.1
60°-70°	117.1	10.6
70°-80°	60.0	5.4
80°-90°	15.0	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°	346.3	31.3
0°-40°	550.1	49.6
0°-60°	915.9	82.7
0°-90°	1108.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1108.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	469	469	469	469	469	
5°	468	467	463	466	466	44
15°	445	443	436	435	432	126
25°	404	398	385	381	377	186
35°	348	339	323	313	308	218
45°	285	275	255	241	236	220
55°	216	205	185	169	163	193
65°	146	134	116	101	96	145
75°	78	67	52	45	42	82
85°	19	13	11	11	11	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	469.0	469.0	469.0	469.0	469.0
2.5°	470.0	469.0	465.4	469.0	468.6
5°	468.3	466.9	462.9	466.4	465.7
7.5°	464.7	463.3	458.7	461.5	460.8
10°	459.4	458.3	453.4	454.5	453.4
12.5°	453.4	451.9	444.8	445.5	443.8
15°	445.3	443.1	435.6	435.3	432.1
17.5°	436.7	433.6	424.6	422.9	420.4
20°	426.4	422.9	411.6	409.8	406.6
22.5°	415.1	411.6	399.6	395.7	393.1
25°	403.8	398.4	385.4	380.8	376.9
27.5°	391.1	384.6	370.8	364.9	361.0
30°	376.9	370.2	355.3	347.2	344.0
32.5°	363.0	354.9	339.7	330.5	326.3
35°	347.8	339.4	323.4	313.1	308.2
37.5°	333.3	323.0	306.7	294.7	289.7
40°	317.7	307.1	290.1	276.6	272.4
42.5°	301.4	290.4	272.7	260.0	253.2
45°	284.8	274.6	255.0	240.9	235.5
47.5°	267.3	256.8	237.3	222.8	216.8
50°	251.1	239.4	219.3	204.4	199.1
52.5°	233.4	221.4	202.6	186.3	180.9
55°	216.1	204.7	185.0	169.0	163.3
57.5°	198.4	186.3	167.2	151.6	146.7
60°	181.3	169.0	149.8	134.2	128.9
62.5°	163.3	151.6	132.1	117.9	112.6
65°	146.3	134.2	115.5	101.2	95.9
67.5°	129.2	117.3	99.1	85.7	81.5
70°	112.0	99.9	82.1	71.2	67.0
72.5°	94.9	83.2	67.0	57.0	54.6
75°	77.9	67.3	52.4	44.7	42.2
77.5°	60.5	52.0	39.6	33.7	31.5
80°	46.1	37.6	27.7	24.4	23.8
82.5°	31.9	24.4	18.5	17.3	17.0
85°	19.4	13.1	11.4	11.0	10.6
87.5°	8.2	5.7	5.3	5.3	4.9
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)