

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: P888542

Luminaire Tested: **DPT5-6FO55-37V60-F-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: P888542
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_5000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

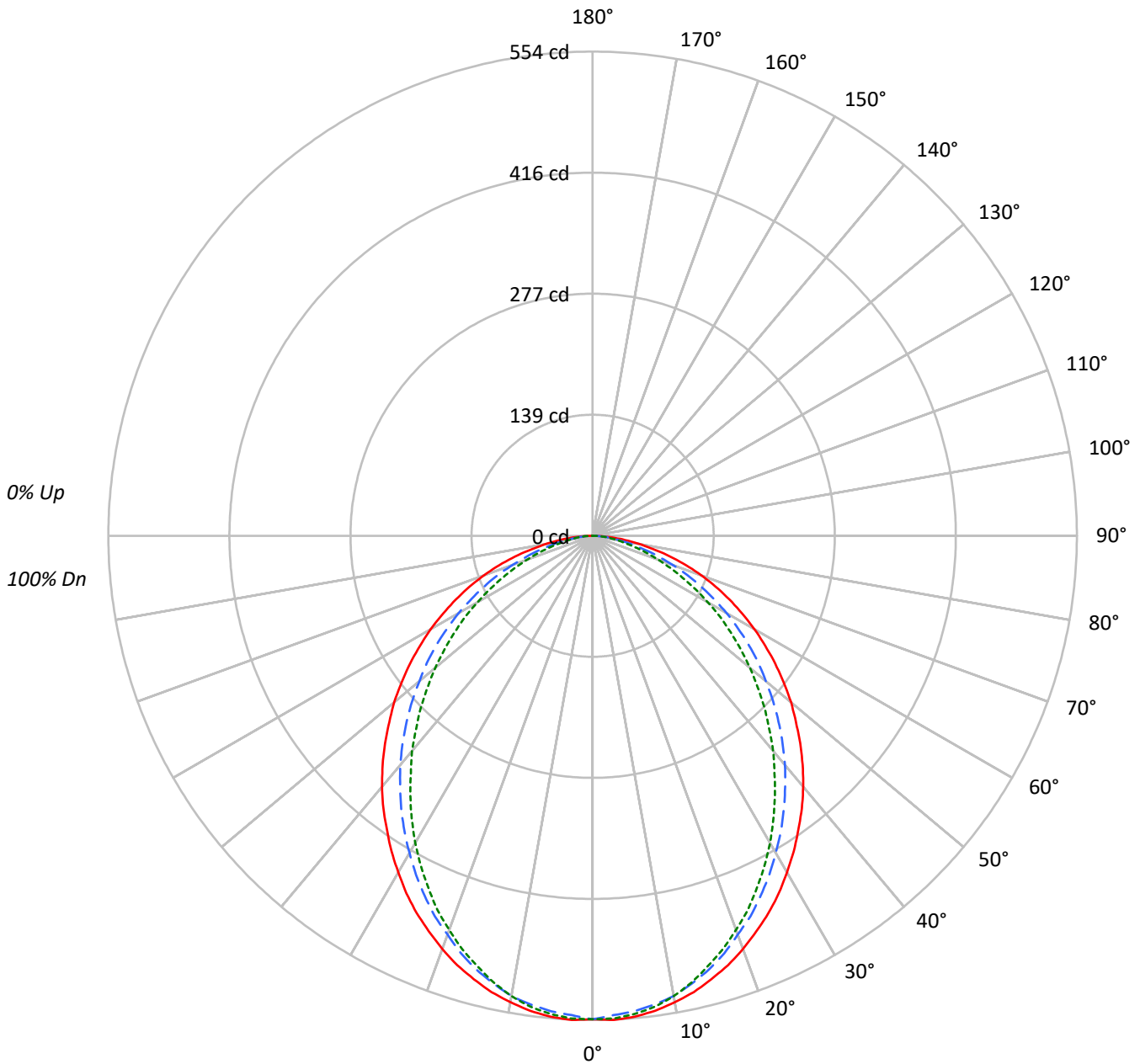
Lumens per Lamp: N/A
Luminaire Lumens: 1307.0 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

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°	3533	3533	3533
5°	3541	3501	3522
10°	3514	3468	3468
15°	3472	3398	3370
20°	3418	3300	3260
25°	3356	3203	3133
30°	3279	3091	2992
35°	3199	2974	2834
40°	3125	2853	2679
45°	3034	2717	2510
50°	2943	2569	2333
55°	2838	2429	2146
60°	2732	2257	1943
65°	2608	2060	1711
70°	2467	1809	1475
75°	2268	1525	1229
80°	1997	1199	1033
85°	1678	982	923



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	4.0
10°-20°	145.5	11.1
20°-30°	211.0	16.1
30°-40°	240.4	18.4
40°-50°	234.3	17.9
50°-60°	197.2	15.1
60°-70°	138.2	10.6
70°-80°	70.8	5.4
80°-90°	17.7	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°	408.5	31.3
0°-40°	648.9	49.6
0°-60°	1080.3	82.7
0°-90°	1307.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1307.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	553	553	553	553	553	
5°	552	551	546	550	549	52
15°	525	523	514	514	510	148
25°	476	470	455	449	445	219
35°	410	400	382	369	364	257
45°	336	324	301	284	278	259
55°	255	242	218	199	193	228
65°	173	158	136	119	113	171
75°	92	79	62	53	50	97
85°	23	15	13	13	13	26
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	553.2	553.2	553.2	553.2	553.2
2.5°	554.5	553.2	549.0	553.2	552.8
5°	552.4	550.7	546.1	550.2	549.4
7.5°	548.2	546.5	541.1	544.4	543.6
10°	541.9	540.7	534.8	536.1	534.8
12.5°	534.8	533.1	524.7	525.6	523.5
15°	525.2	522.7	513.9	513.5	509.7
17.5°	515.2	511.5	500.9	498.9	496.0
20°	503.0	498.9	485.5	483.4	479.7
22.5°	489.7	485.5	471.4	466.7	463.7
25°	476.3	470.0	454.6	449.1	444.6
27.5°	461.3	453.7	437.4	430.4	425.8
30°	444.6	436.7	419.1	409.5	405.7
32.5°	428.2	418.7	400.7	389.8	384.9
35°	410.3	400.3	381.5	369.4	363.5
37.5°	393.2	381.0	361.8	347.7	341.7
40°	374.8	362.3	342.2	326.3	321.3
42.5°	355.5	342.6	321.6	306.7	298.7
45°	335.9	323.9	300.8	284.1	277.9
47.5°	315.4	303.0	279.9	262.8	255.7
50°	296.2	282.4	258.6	241.1	234.8
52.5°	275.3	261.2	238.9	219.7	213.4
55°	254.9	241.5	218.2	199.3	192.7
57.5°	234.0	219.7	197.2	178.8	173.0
60°	213.9	199.3	176.7	158.3	152.1
62.5°	192.7	178.8	155.9	139.1	132.8
65°	172.6	158.3	136.3	119.4	113.2
67.5°	152.5	138.3	117.0	101.1	96.2
70°	132.1	117.8	96.9	83.9	79.0
72.5°	112.0	98.2	79.0	67.3	64.4
75°	91.9	79.4	61.8	52.7	49.8
77.5°	71.4	61.4	46.7	39.8	37.2
80°	54.3	44.3	32.6	28.8	28.1
82.5°	37.6	28.8	21.8	20.4	20.1
85°	22.9	15.4	13.4	12.9	12.6
87.5°	9.7	6.7	6.3	6.3	5.8
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)