

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: P888526

Luminaire Tested: **DPT5-6FO55-127V60-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: P888526
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: DPT5-6FO55-127V60-F-XX-UDD_2700K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

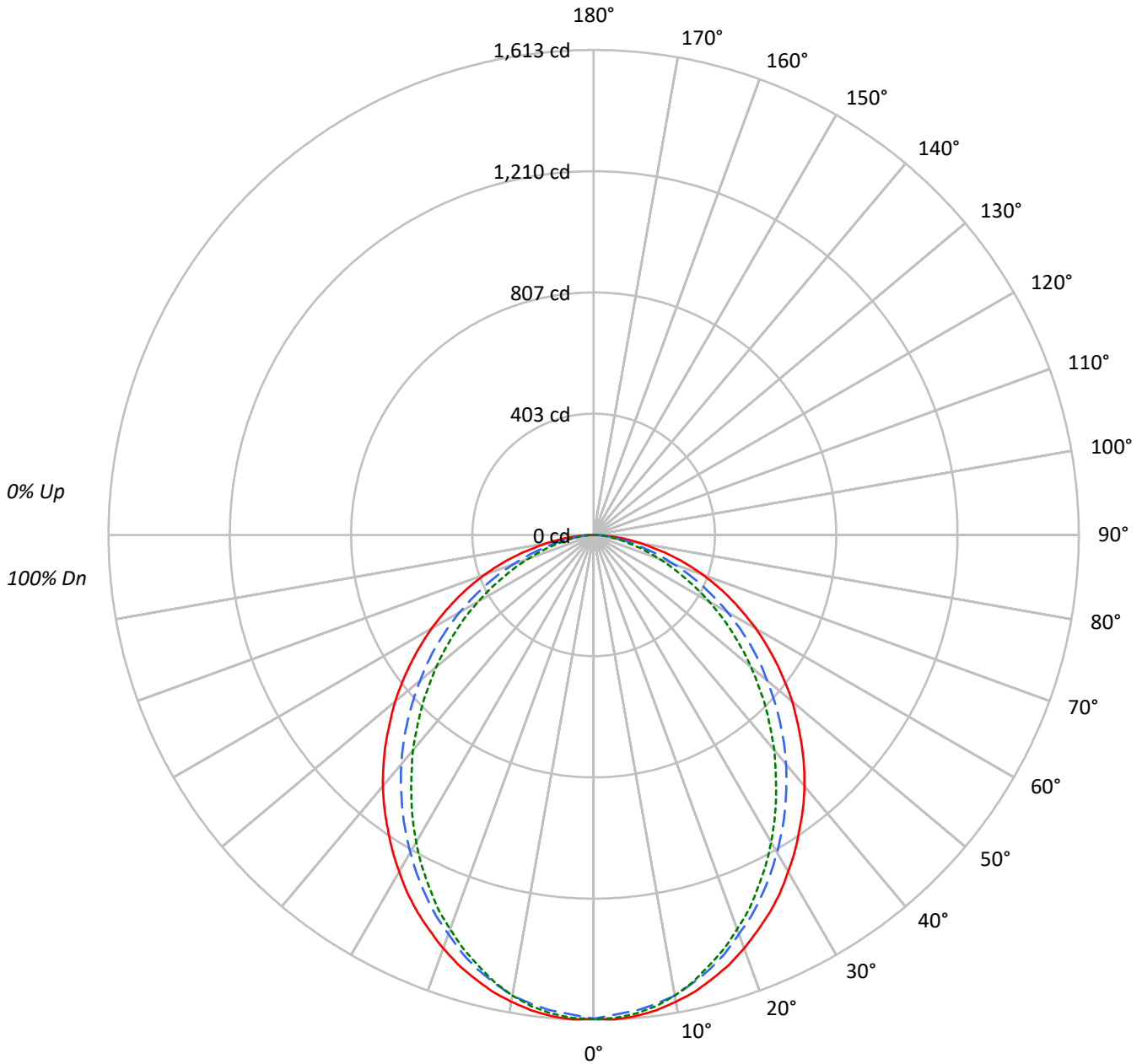
Lumens per Lamp: N/A
Luminaire Lumens: 3802.0 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

Input Watts (W): 45
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°	10277	10277	10277
5°	10301	10184	10244
10°	10223	10088	10088
15°	10102	9883	9804
20°	9944	9598	9483
25°	9762	9318	9113
30°	9536	8989	8704
35°	9306	8651	8244
40°	9090	8298	7792
45°	8825	7903	7300
50°	8561	7474	6787
55°	8256	7067	6241
60°	7948	6565	5649
65°	7587	5990	4975
70°	7174	5262	4289
75°	6598	4439	3570
80°	5811	3490	3001
85°	4887	2858	2675



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.5	4.0
10°-20°	423.2	11.1
20°-30°	613.7	16.1
30°-40°	699.2	18.4
40°-50°	681.5	17.9
50°-60°	573.5	15.1
60°-70°	401.9	10.6
70°-80°	206.1	5.4
80°-90°	51.4	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°	1188.4	31.3
0°-40°	1887.6	49.6
0°-60°	3142.6	82.7
0°-90°	3802.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3802.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1609	1609	1609	1609	1609	
5°	1607	1602	1589	1600	1598	152
15°	1528	1520	1495	1494	1483	431
25°	1385	1367	1322	1306	1293	638
35°	1194	1164	1110	1074	1057	747
45°	977	942	875	826	808	754
55°	742	702	635	580	560	663
65°	502	461	396	347	329	497
75°	267	231	180	153	145	283
85°	67	45	39	38	36	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1609.3	1609.3	1609.3	1609.3	1609.3
2.5°	1612.9	1609.3	1597.1	1609.3	1608.0
5°	1606.8	1602.1	1588.6	1600.5	1598.0
7.5°	1594.7	1589.7	1573.9	1583.6	1581.4
10°	1576.4	1572.8	1555.7	1559.5	1555.7
12.5°	1555.7	1550.7	1526.3	1528.8	1523.0
15°	1527.9	1520.5	1494.8	1493.7	1482.8
17.5°	1498.6	1487.8	1457.1	1451.3	1442.7
20°	1463.2	1451.3	1412.3	1406.2	1395.4
22.5°	1424.4	1412.3	1371.2	1357.7	1348.9
25°	1385.4	1367.2	1322.3	1306.5	1293.2
27.5°	1341.9	1319.8	1272.5	1252.0	1238.7
30°	1293.2	1270.2	1219.0	1191.3	1180.3
32.5°	1245.6	1217.9	1165.6	1134.0	1119.6
35°	1193.6	1164.5	1109.7	1074.5	1057.4
37.5°	1143.7	1108.3	1052.4	1011.4	994.0
40°	1090.3	1053.8	995.4	949.2	934.7
42.5°	1034.2	996.5	935.6	892.1	868.9
45°	977.1	942.2	875.0	826.5	808.3
47.5°	917.4	881.3	814.1	764.5	743.8
50°	861.7	821.6	752.3	701.4	683.1
52.5°	800.8	759.8	695.1	639.2	620.9
55°	741.5	702.5	634.7	579.9	560.5
57.5°	680.7	639.2	573.8	520.1	503.2
60°	622.3	579.9	514.0	460.6	442.3
62.5°	560.5	520.1	453.4	404.7	386.4
65°	502.1	460.6	396.4	347.4	329.2
67.5°	443.5	402.4	340.2	294.2	279.8
70°	384.2	342.7	281.8	244.2	229.7
72.5°	325.8	285.7	229.7	195.7	187.4
75°	267.4	230.9	179.9	153.3	144.7
77.5°	207.6	178.6	136.0	115.7	108.2
80°	158.0	129.0	94.9	83.9	81.6
82.5°	109.3	83.9	63.4	59.3	58.4
85°	66.7	44.9	39.0	37.7	36.5
87.5°	28.2	19.4	18.3	18.3	16.9
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)