

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: P888528

Luminaire Tested: **DPT5-6FO55-127V60-F-XX-UDD_3500K**

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: P888528
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_3500K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

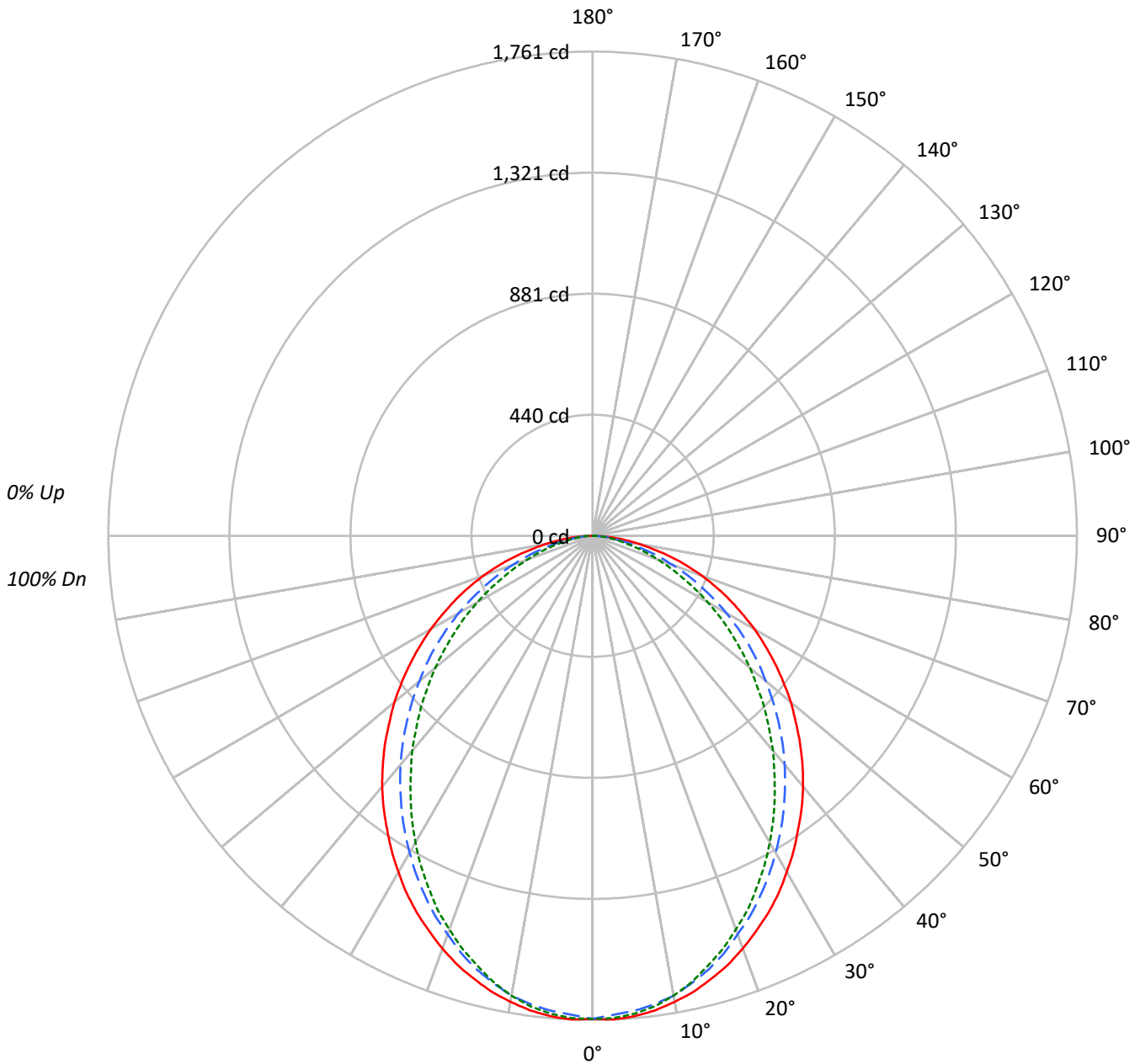
Lumens per Lamp: N/A
Luminaire Lumens: 4151.0 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

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°	11221	11221	11221
5°	11246	11119	11185
10°	11161	11014	11014
15°	11029	10790	10704
20°	10857	10479	10353
25°	10659	10173	9949
30°	10412	9814	9502
35°	10159	9446	9001
40°	9924	9060	8508
45°	9635	8628	7970
50°	9347	8161	7410
55°	9014	7715	6813
60°	8678	7168	6169
65°	8284	6539	5431
70°	7831	5745	4683
75°	7203	4846	3899
80°	6348	3810	3277
85°	5342	3122	2924



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.4	4.0
10°-20°	462.1	11.1
20°-30°	670.0	16.1
30°-40°	763.4	18.4
40°-50°	744.0	17.9
50°-60°	626.2	15.1
60°-70°	438.8	10.6
70°-80°	225.0	5.4
80°-90°	56.1	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°	1297.5	31.3
0°-40°	2060.9	49.6
0°-60°	3431.1	82.7
0°-90°	4151.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4151.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1757	1757	1757	1757	1757	
5°	1754	1749	1734	1747	1745	166
15°	1668	1660	1632	1631	1619	470
25°	1513	1493	1444	1426	1412	696
35°	1303	1271	1212	1173	1154	816
45°	1067	1029	955	902	882	823
55°	810	767	693	633	612	724
65°	548	503	433	379	359	543
75°	292	252	196	167	158	309
85°	73	49	43	41	40	84
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1757.0	1757.0	1757.0	1757.0	1757.0
2.5°	1761.0	1757.0	1743.7	1757.0	1755.6
5°	1754.3	1749.2	1734.4	1747.4	1744.7
7.5°	1741.0	1735.6	1718.4	1729.0	1726.5
10°	1721.1	1717.2	1698.5	1702.6	1698.5
12.5°	1698.5	1693.0	1666.5	1669.2	1662.8
15°	1668.2	1660.1	1632.0	1630.8	1618.9
17.5°	1636.2	1624.4	1590.9	1584.5	1575.1
20°	1597.5	1584.5	1541.9	1535.3	1523.4
22.5°	1555.2	1541.9	1497.1	1482.3	1472.7
25°	1512.6	1492.7	1443.7	1426.5	1411.9
27.5°	1465.1	1441.0	1389.3	1366.9	1352.4
30°	1411.9	1386.8	1330.9	1300.7	1288.6
32.5°	1360.0	1329.7	1272.6	1238.1	1222.4
35°	1303.1	1271.4	1211.6	1173.2	1154.5
37.5°	1248.7	1210.1	1149.0	1104.2	1085.3
40°	1190.4	1150.5	1086.8	1036.3	1020.5
42.5°	1129.1	1088.0	1021.5	974.0	948.7
45°	1066.8	1028.7	955.3	902.4	882.5
47.5°	1001.6	962.2	888.9	834.7	812.1
50°	940.8	897.0	821.4	765.8	745.8
52.5°	874.3	829.5	758.9	697.8	677.9
55°	809.6	767.0	692.9	633.1	611.9
57.5°	743.1	697.8	626.5	567.9	549.4
60°	679.4	633.1	561.2	502.9	483.0
62.5°	611.9	567.9	495.0	441.8	421.9
65°	548.2	502.9	432.7	379.3	359.4
67.5°	484.2	439.4	371.4	321.2	305.5
70°	419.4	374.2	307.7	266.6	250.8
72.5°	355.7	311.9	250.8	213.7	204.6
75°	291.9	252.1	196.4	167.4	158.0
77.5°	226.7	195.0	148.4	126.3	118.2
80°	172.6	140.8	103.6	91.6	89.1
82.5°	119.4	91.6	69.2	64.7	63.8
85°	72.9	49.0	42.6	41.1	39.9
87.5°	30.8	21.2	19.9	19.9	18.5
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)