

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: P888531

Luminaire Tested: **DPT5-6FO55-127V60-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: P888531
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_5000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

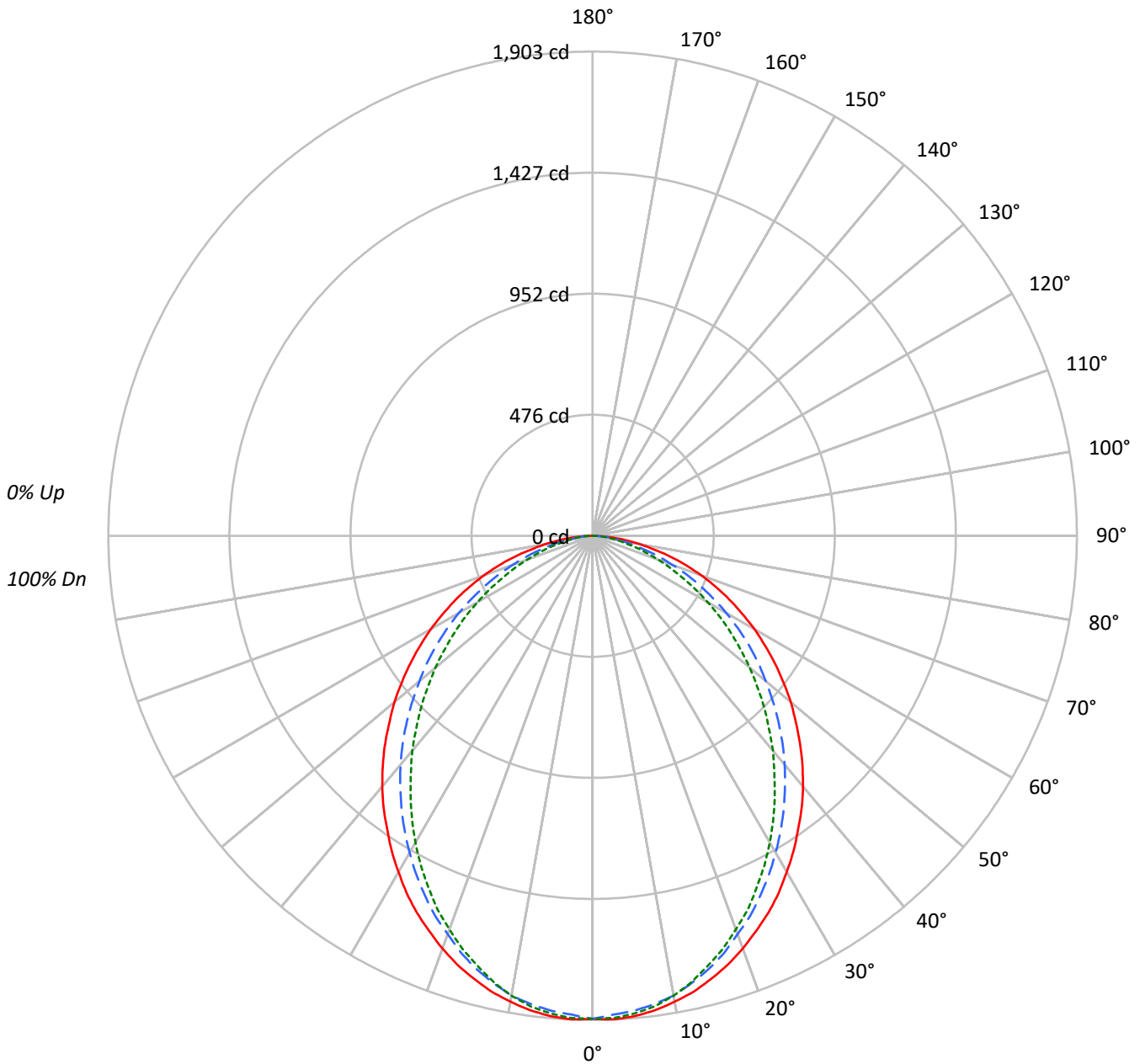
Lumens per Lamp: N/A
Luminaire Lumens: 4485.0 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

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°	12124	12124	12124
5°	12151	12013	12085
10°	12059	11900	11900
15°	11917	11658	11565
20°	11731	11322	11186
25°	11516	10991	10749
30°	11249	10604	10267
35°	10977	10205	9724
40°	10723	9789	9193
45°	10411	9322	8612
50°	10099	8818	8007
55°	9739	8336	7362
60°	9375	7745	6665
65°	8950	7066	5868
70°	8462	6207	5060
75°	7782	5236	4212
80°	6855	4119	3542
85°	5767	3371	3158



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.7	4.0
10°-20°	499.3	11.1
20°-30°	724.0	16.1
30°-40°	824.8	18.4
40°-50°	803.9	17.9
50°-60°	676.6	15.1
60°-70°	474.1	10.6
70°-80°	243.1	5.4
80°-90°	60.6	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°	1401.9	31.3
0°-40°	2226.7	49.6
0°-60°	3707.2	82.7
0°-90°	4485.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4485.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1898	1898	1898	1898	1898	
5°	1896	1890	1874	1888	1885	180
15°	1802	1794	1763	1762	1749	508
25°	1634	1613	1560	1541	1526	752
35°	1408	1374	1309	1268	1247	882
45°	1153	1111	1032	975	954	889
55°	875	829	749	684	661	782
65°	592	543	468	410	388	586
75°	315	272	212	181	171	333
85°	79	53	46	44	43	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1898.4	1898.4	1898.4	1898.4	1898.4
2.5°	1902.7	1898.4	1884.0	1898.4	1896.8
5°	1895.5	1889.9	1873.9	1888.0	1885.1
7.5°	1881.1	1875.3	1856.7	1868.1	1865.4
10°	1859.6	1855.3	1835.1	1839.6	1835.1
12.5°	1835.1	1829.3	1800.5	1803.5	1796.5
15°	1802.4	1793.6	1763.3	1762.0	1749.2
17.5°	1767.8	1755.1	1718.9	1712.0	1701.9
20°	1726.1	1712.0	1666.0	1658.8	1646.0
22.5°	1680.3	1666.0	1617.6	1601.6	1591.2
25°	1634.3	1612.8	1559.8	1541.2	1525.5
27.5°	1583.0	1556.9	1501.1	1476.9	1461.2
30°	1525.5	1498.4	1438.0	1405.3	1392.3
32.5°	1469.4	1436.7	1375.0	1337.8	1320.7
35°	1408.0	1373.7	1309.0	1267.6	1247.3
37.5°	1349.2	1307.5	1241.5	1193.1	1172.6
40°	1286.2	1243.1	1174.2	1119.7	1102.7
42.5°	1220.0	1175.5	1103.7	1052.4	1025.0
45°	1152.7	1111.4	1032.2	975.0	953.5
47.5°	1082.2	1039.6	960.4	901.9	877.4
50°	1016.5	969.2	887.5	827.4	805.9
52.5°	944.7	896.3	819.9	754.0	732.4
55°	874.7	828.7	748.7	684.0	661.2
57.5°	802.9	754.0	676.9	613.6	593.6
60°	734.0	684.0	606.4	543.4	521.8
62.5°	661.2	613.6	534.8	477.4	455.9
65°	592.3	543.4	467.6	409.8	388.3
67.5°	523.1	474.7	401.3	347.1	330.1
70°	453.2	404.3	332.4	288.0	271.0
72.5°	384.3	337.0	271.0	230.9	221.0
75°	315.4	272.3	212.2	180.9	170.7
77.5°	244.9	210.6	160.4	136.4	127.7
80°	186.4	152.1	112.0	98.9	96.3
82.5°	129.0	98.9	74.7	69.9	68.9
85°	78.7	52.9	46.0	44.4	43.1
87.5°	33.2	22.9	21.5	21.5	19.9
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)