

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: P888524

Luminaire Tested: **DPT5-6FO55-127S35-F-XX-UDD**

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: P888524
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: DPT5-6FO55-127S35-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

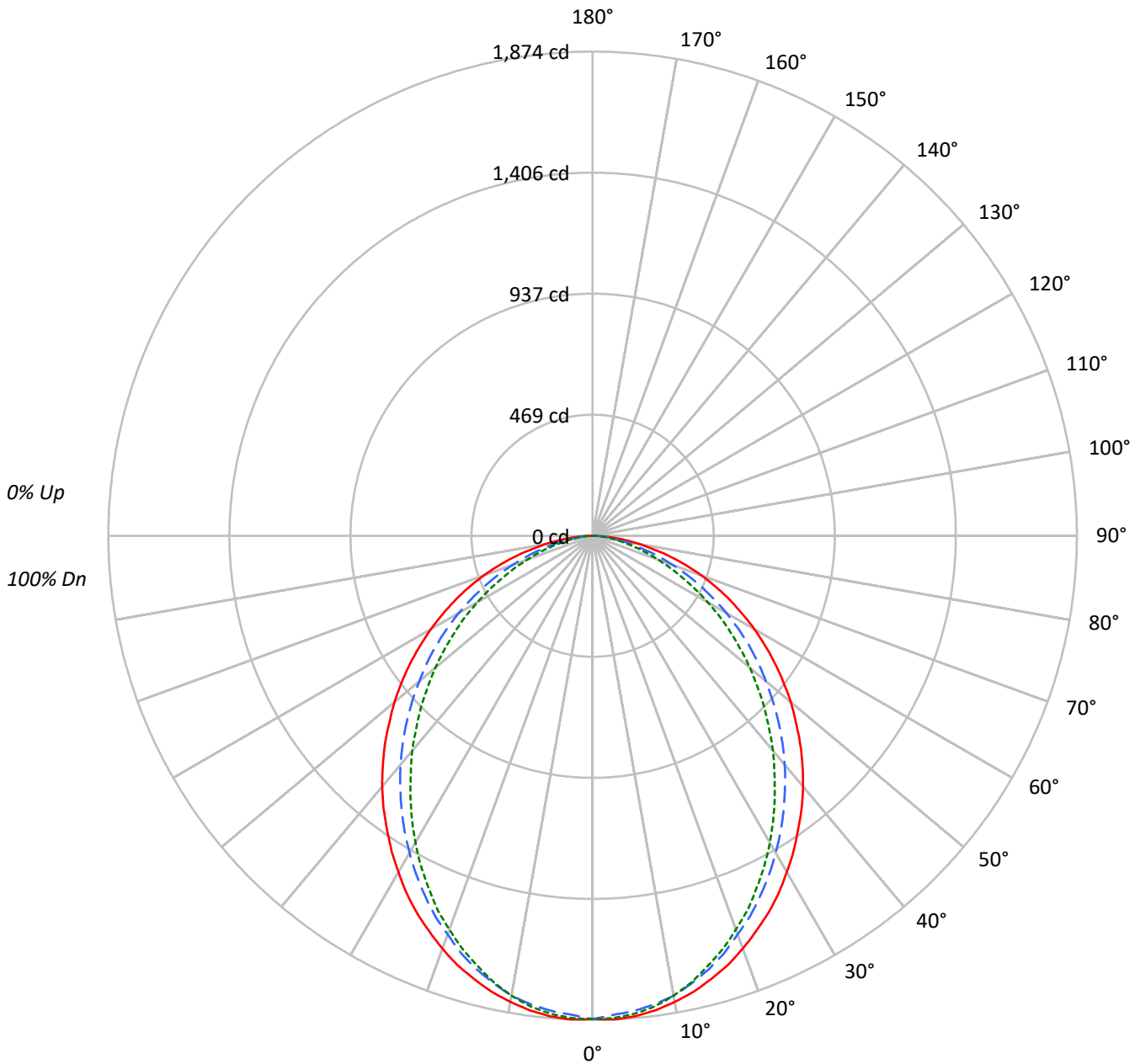
Lumens per Lamp: N/A
Luminaire Lumens: 4418.0 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

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°	11943	11943	11943
5°	11970	11834	11905
10°	11879	11723	11723
15°	11739	11484	11392
20°	11556	11153	11019
25°	11344	10827	10589
30°	11081	10446	10114
35°	10813	10053	9579
40°	10563	9643	9055
45°	10254	9183	8482
50°	9948	8685	7887
55°	9594	8211	7252
60°	9236	7629	6565
65°	8816	6960	5780
70°	8335	6115	4986
75°	7666	5160	4150
80°	6756	4057	3486
85°	5679	3319	3107



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.0	4.0
10°-20°	491.8	11.1
20°-30°	713.1	16.1
30°-40°	812.5	18.4
40°-50°	791.9	17.9
50°-60°	666.5	15.1
60°-70°	467.0	10.6
70°-80°	239.5	5.4
80°-90°	59.7	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°	1381.0	31.3
0°-40°	2193.4	49.6
0°-60°	3651.8	82.7
0°-90°	4418.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4418.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1870	1870	1870	1870	1870	
5°	1867	1862	1846	1860	1857	177
15°	1776	1767	1737	1736	1723	501
25°	1610	1589	1536	1518	1503	741
35°	1387	1353	1290	1249	1229	868
45°	1135	1095	1017	960	939	876
55°	862	816	738	674	651	770
65°	583	535	461	404	382	578
75°	311	268	209	178	168	328
85°	78	52	45	44	42	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1870.1	1870.1	1870.1	1870.1	1870.1
2.5°	1874.2	1870.1	1855.9	1870.1	1868.5
5°	1867.2	1861.7	1845.9	1859.8	1857.0
7.5°	1853.0	1847.3	1828.9	1840.2	1837.6
10°	1831.8	1827.6	1807.7	1812.2	1807.7
12.5°	1807.7	1801.9	1773.6	1776.5	1769.7
15°	1775.5	1766.8	1737.0	1735.7	1723.1
17.5°	1741.4	1728.8	1693.2	1686.4	1676.4
20°	1700.3	1686.4	1641.1	1634.0	1621.4
22.5°	1655.2	1641.1	1593.4	1577.7	1567.5
25°	1609.9	1588.7	1536.5	1518.2	1502.7
27.5°	1559.3	1533.7	1478.6	1454.8	1439.3
30°	1502.7	1476.0	1416.6	1384.3	1371.5
32.5°	1447.5	1415.2	1354.5	1317.8	1301.0
35°	1386.9	1353.2	1289.5	1248.6	1228.7
37.5°	1329.1	1287.9	1222.9	1175.3	1155.1
40°	1267.0	1224.5	1156.7	1103.0	1086.2
42.5°	1201.7	1158.0	1087.2	1036.7	1009.7
45°	1135.4	1094.8	1016.8	960.4	939.2
47.5°	1066.0	1024.1	946.0	888.4	864.3
50°	1001.3	954.7	874.2	815.0	793.8
52.5°	930.6	882.9	807.7	742.7	721.5
55°	861.7	816.3	737.5	673.8	651.3
57.5°	790.9	742.7	666.8	604.4	584.8
60°	723.1	673.8	597.3	535.2	514.0
62.5°	651.3	604.4	526.9	470.3	449.0
65°	583.4	535.2	460.6	403.7	382.5
67.5°	515.3	467.6	395.3	341.9	325.1
70°	446.4	398.2	327.5	283.7	267.0
72.5°	378.6	331.9	267.0	227.4	217.7
75°	310.7	268.3	209.1	178.1	168.2
77.5°	241.3	207.5	158.0	134.4	125.8
80°	183.7	149.9	110.3	97.5	94.8
82.5°	127.1	97.5	73.6	68.9	67.9
85°	77.5	52.1	45.3	43.8	42.4
87.5°	32.7	22.5	21.2	21.2	19.6
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)