

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: P888255

Luminaire Tested: **DPT5-6FO55-127V60-A-XX-UDD_4500K**

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: P888255
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-A-XX-UDD_4500K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

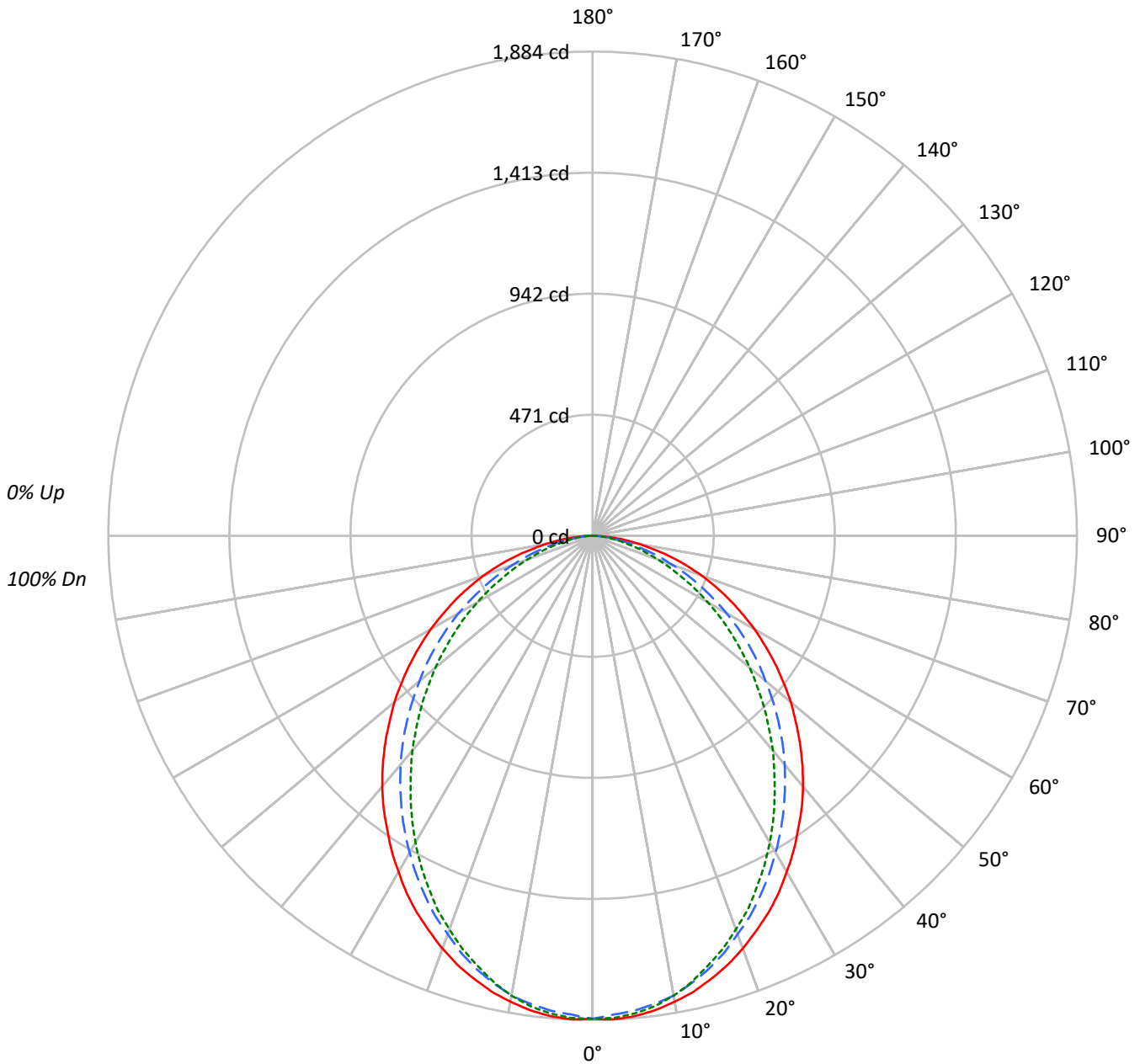
Lumens per Lamp: N/A
Luminaire Lumens: 4440.0 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

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°	12002	12002	12002
5°	12030	11892	11964
10°	11938	11781	11781
15°	11797	11541	11449
20°	11613	11208	11074
25°	11401	10881	10642
30°	11137	10498	10164
35°	10867	10103	9627
40°	10615	9691	9100
45°	10306	9228	8525
50°	9998	8729	7926
55°	9642	8253	7287
60°	9282	7667	6598
65°	8860	6995	5809
70°	8376	6145	5010
75°	7706	5184	4170
80°	6789	4075	3505
85°	5708	3334	3129



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.9	4.0
10°-20°	494.3	11.1
20°-30°	716.7	16.1
30°-40°	816.5	18.4
40°-50°	795.8	17.9
50°-60°	669.8	15.1
60°-70°	469.3	10.6
70°-80°	240.6	5.4
80°-90°	60.0	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°	1387.8	31.3
0°-40°	2204.4	49.6
0°-60°	3670.0	82.7
0°-90°	4440.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4440.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1879	1879	1879	1879	1879	
5°	1876	1871	1855	1869	1866	178
15°	1784	1776	1746	1744	1732	503
25°	1618	1597	1544	1526	1510	745
35°	1394	1360	1296	1255	1235	873
45°	1141	1100	1022	965	944	880
55°	866	820	741	677	654	774
65°	586	538	463	406	384	581
75°	312	270	210	179	169	330
85°	78	52	46	44	43	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1879.4	1879.4	1879.4	1879.4	1879.4
2.5°	1883.6	1879.4	1865.1	1879.4	1877.8
5°	1876.5	1870.9	1855.1	1869.1	1866.2
7.5°	1862.2	1856.5	1838.0	1849.3	1846.7
10°	1840.9	1836.7	1816.7	1821.2	1816.7
12.5°	1816.7	1810.9	1782.5	1785.4	1778.5
15°	1784.3	1775.6	1745.6	1744.3	1731.7
17.5°	1750.1	1737.4	1701.6	1694.8	1684.8
20°	1708.8	1694.8	1649.2	1642.1	1629.5
22.5°	1663.5	1649.2	1601.3	1585.5	1575.3
25°	1617.9	1596.6	1544.2	1525.8	1510.2
27.5°	1567.1	1541.3	1486.0	1462.0	1446.5
30°	1510.2	1483.4	1423.6	1391.2	1378.3
32.5°	1454.7	1422.3	1361.2	1324.3	1307.5
35°	1393.9	1359.9	1295.9	1254.8	1234.8
37.5°	1335.7	1294.3	1229.0	1181.1	1160.8
40°	1273.3	1230.6	1162.4	1108.4	1091.6
42.5°	1207.7	1163.7	1092.7	1041.8	1014.7
45°	1141.1	1100.3	1021.8	965.2	943.9
47.5°	1071.3	1029.2	950.7	892.8	868.6
50°	1006.3	959.4	878.6	819.1	797.8
52.5°	935.2	887.3	811.7	746.4	725.1
55°	866.0	820.4	741.2	677.2	654.5
57.5°	794.9	746.4	670.1	607.4	587.7
60°	726.7	677.2	600.3	537.9	516.6
62.5°	654.5	607.4	529.5	472.6	451.3
65°	586.3	537.9	462.9	405.7	384.4
67.5°	517.9	470.0	397.3	343.6	326.7
70°	448.6	400.2	329.1	285.1	268.3
72.5°	380.5	333.6	268.3	228.5	218.8
75°	312.3	269.6	210.1	179.0	169.0
77.5°	242.5	208.5	158.8	135.1	126.4
80°	184.6	150.6	110.8	97.9	95.3
82.5°	127.7	97.9	74.0	69.2	68.2
85°	77.9	52.4	45.5	44.0	42.7
87.5°	32.9	22.6	21.3	21.3	19.7
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)