

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: P888256

Luminaire Tested: **DPT5-6FO55-127V60-A-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: P888256
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_5000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

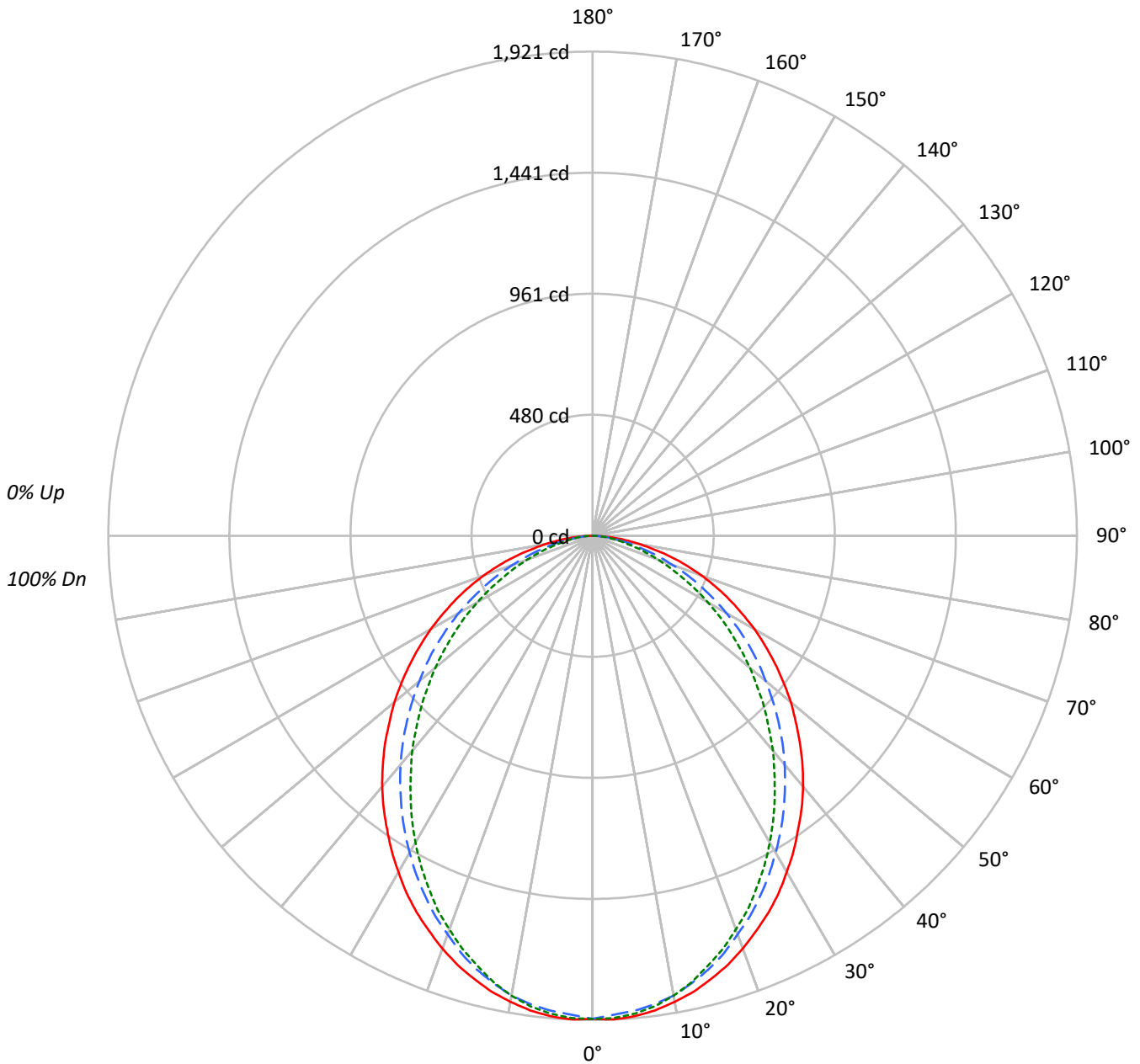
Lumens per Lamp: N/A
Luminaire Lumens: 4528.0 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P888256

CATALOG NUMBER: DPT5-6FO55-127V60-A-XX-UDD_5000K

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°	12240	12240	12240
5°	12268	12128	12201
10°	12175	12014	12014
15°	12031	11770	11676
20°	11843	11430	11294
25°	11627	11097	10853
30°	11358	10706	10365
35°	11082	10304	9818
40°	10825	9883	9280
45°	10510	9412	8694
50°	10196	8902	8083
55°	9833	8416	7432
60°	9466	7819	6729
65°	9037	7133	5924
70°	8543	6266	5109
75°	7859	5288	4254
80°	6921	4156	3575
85°	5825	3407	3187



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.4	4.0
10°-20°	504.1	11.1
20°-30°	730.9	16.1
30°-40°	832.7	18.4
40°-50°	811.6	17.9
50°-60°	683.1	15.1
60°-70°	478.7	10.6
70°-80°	245.4	5.4
80°-90°	61.2	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°	1415.3	31.3
0°-40°	2248.1	49.6
0°-60°	3742.7	82.7
0°-90°	4528.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4528.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1917	1917	1917	1917	1917	
5°	1914	1908	1892	1906	1903	181
15°	1820	1811	1780	1779	1766	513
25°	1650	1628	1575	1556	1540	759
35°	1422	1387	1322	1280	1259	890
45°	1164	1122	1042	984	963	897
55°	883	837	756	691	668	790
65°	598	549	472	414	392	592
75°	318	275	214	183	172	337
85°	80	53	46	45	44	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1916.6	1916.6	1916.6	1916.6	1916.6
2.5°	1920.9	1916.6	1902.1	1916.6	1915.0
5°	1913.7	1908.0	1891.9	1906.1	1903.2
7.5°	1899.2	1893.3	1874.5	1886.0	1883.3
10°	1877.4	1873.1	1852.7	1857.3	1852.7
12.5°	1852.7	1846.8	1817.8	1820.8	1813.8
15°	1819.7	1810.8	1780.2	1778.9	1766.0
17.5°	1784.8	1771.9	1735.4	1728.4	1718.2
20°	1742.6	1728.4	1681.9	1674.7	1661.8
22.5°	1696.4	1681.9	1633.1	1617.0	1606.5
25°	1650.0	1628.2	1574.8	1556.0	1540.2
27.5°	1598.2	1571.8	1515.5	1491.0	1475.2
30°	1540.2	1512.8	1451.8	1418.8	1405.6
32.5°	1483.5	1450.5	1388.2	1350.6	1333.4
35°	1421.5	1386.8	1321.6	1279.7	1259.3
37.5°	1362.1	1320.0	1253.4	1204.5	1183.9
40°	1298.5	1255.0	1185.5	1130.4	1113.2
42.5°	1231.6	1186.8	1114.3	1062.5	1034.8
45°	1163.7	1122.1	1042.1	984.4	962.6
47.5°	1092.6	1049.6	969.6	910.5	885.8
50°	1026.2	978.4	896.0	835.3	813.6
52.5°	953.7	904.9	827.8	761.2	739.5
55°	883.1	836.7	755.9	690.6	667.5
57.5°	810.6	761.2	683.4	619.4	599.3
60°	741.1	690.6	612.2	548.6	526.8
62.5°	667.5	619.4	540.0	482.0	460.2
65°	598.0	548.6	472.0	413.8	392.0
67.5°	528.2	479.3	405.2	350.4	333.2
70°	457.5	408.1	335.6	290.8	273.6
72.5°	388.0	340.2	273.6	233.1	223.1
75°	318.5	275.0	214.3	182.6	172.4
77.5°	247.3	212.7	161.9	137.7	128.9
80°	188.2	153.6	113.0	99.9	97.2
82.5°	130.2	99.9	75.5	70.6	69.5
85°	79.5	53.4	46.5	44.8	43.5
87.5°	33.6	23.1	21.7	21.7	20.1
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)