

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: P888253

Luminaire Tested: **DPT5-6FO55-127V60-A-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: P888253
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_3500K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

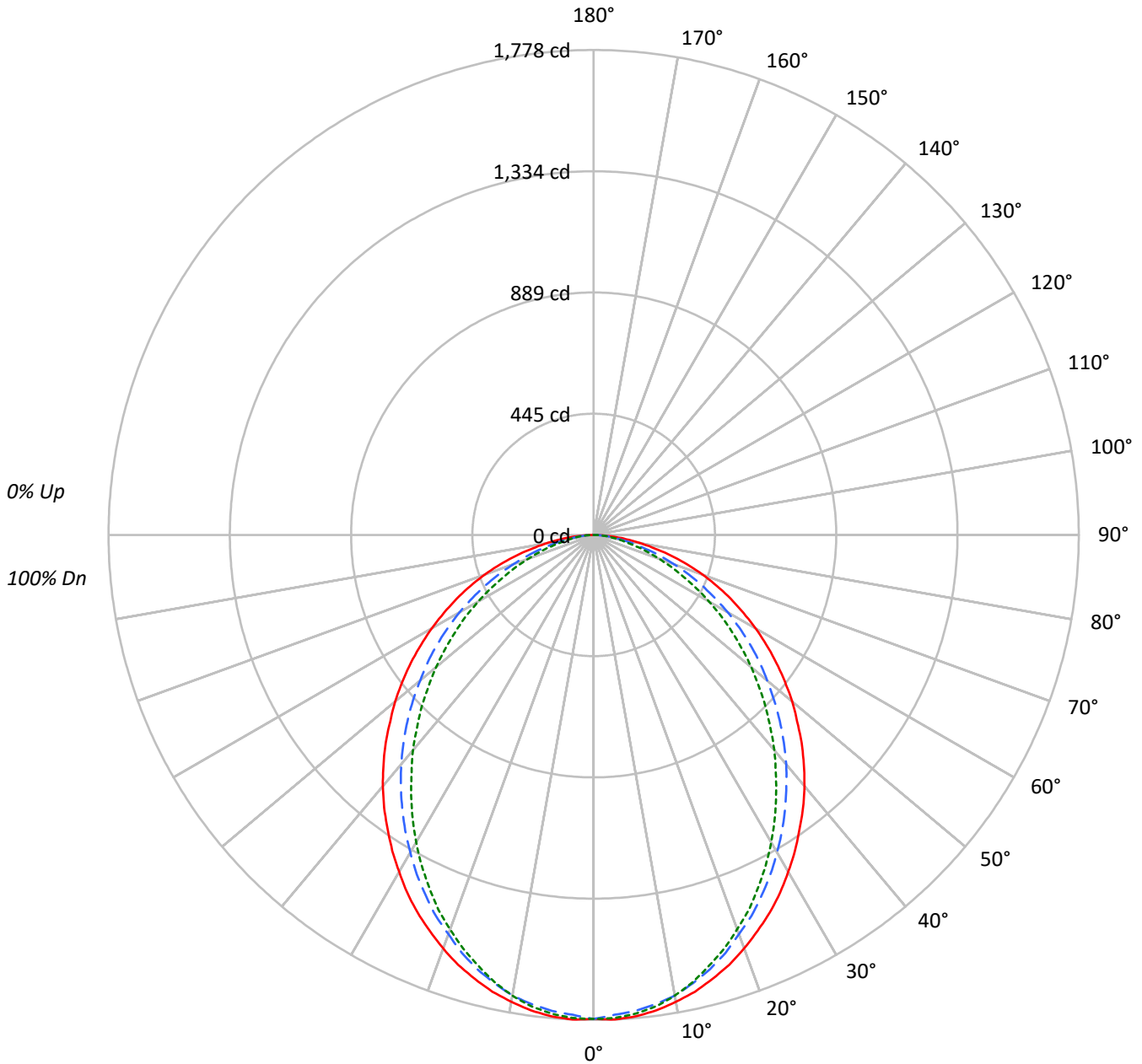
Lumens per Lamp: N/A
Luminaire Lumens: 4192.0 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

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					20					
RC	80					70					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°	11332	11332	11332
5°	11358	11228	11296
10°	11271	11123	11123
15°	11139	10897	10809
20°	10964	10582	10456
25°	10764	10273	10048
30°	10515	9912	9596
35°	10260	9539	9090
40°	10022	9150	8592
45°	9731	8714	8049
50°	9440	8241	7483
55°	9103	7792	6881
60°	8763	7240	6229
65°	8366	6604	5484
70°	7910	5801	4730
75°	7274	4895	3938
80°	6410	3851	3310
85°	5393	3151	2953



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.0	4.0
10°-20°	466.7	11.1
20°-30°	676.7	16.1
30°-40°	770.9	18.4
40°-50°	751.4	17.9
50°-60°	632.4	15.1
60°-70°	443.1	10.6
70°-80°	227.2	5.4
80°-90°	56.7	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°	1310.3	31.3
0°-40°	2081.2	49.6
0°-60°	3465.0	82.7
0°-90°	4192.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4192.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1774	1774	1774	1774	1774	
5°	1772	1766	1752	1765	1762	168
15°	1685	1676	1648	1647	1635	475
25°	1528	1507	1458	1440	1426	703
35°	1316	1284	1224	1185	1166	824
45°	1077	1039	965	911	891	831
55°	818	775	700	639	618	731
65°	554	508	437	383	363	548
75°	295	254	198	169	160	312
85°	74	50	43	42	40	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1774.4	1774.4	1774.4	1774.4	1774.4
2.5°	1778.4	1774.4	1761.0	1774.4	1772.9
5°	1771.7	1766.4	1751.5	1764.7	1762.0
7.5°	1758.2	1752.8	1735.4	1746.1	1743.6
10°	1738.1	1734.1	1715.2	1719.5	1715.2
12.5°	1715.2	1709.8	1682.9	1685.6	1679.2
15°	1684.7	1676.4	1648.1	1646.9	1634.9
17.5°	1652.3	1640.4	1606.6	1600.1	1590.7
20°	1613.3	1600.1	1557.1	1550.4	1538.5
22.5°	1570.6	1557.1	1511.9	1497.0	1487.3
25°	1527.5	1507.4	1457.9	1440.5	1425.9
27.5°	1479.6	1455.2	1403.0	1380.4	1365.7
30°	1425.9	1400.5	1344.1	1313.5	1301.3
32.5°	1373.4	1342.8	1285.2	1250.4	1234.5
35°	1316.0	1283.9	1223.5	1184.7	1165.9
37.5°	1261.1	1222.0	1160.4	1115.1	1096.0
40°	1202.1	1161.9	1097.5	1046.5	1030.6
42.5°	1140.3	1098.7	1031.6	983.6	958.0
45°	1077.4	1038.8	964.8	911.3	891.2
47.5°	1011.5	971.7	897.6	842.9	820.1
50°	950.1	905.8	829.5	773.3	753.2
52.5°	883.0	837.7	766.4	704.7	684.6
55°	817.6	774.6	699.8	639.4	618.0
57.5°	750.5	704.7	632.6	573.5	554.8
60°	686.1	639.4	566.8	507.9	487.7
62.5°	618.0	573.5	499.9	446.2	426.1
65°	553.6	507.9	437.0	383.1	362.9
67.5°	489.0	443.7	375.1	324.4	308.5
70°	423.6	377.8	310.7	269.2	253.3
72.5°	359.2	315.0	253.3	215.8	206.6
75°	294.8	254.5	198.4	169.0	159.6
77.5°	228.9	196.9	149.9	127.5	119.3
80°	174.3	142.2	104.7	92.5	90.0
82.5°	120.6	92.5	69.9	65.4	64.4
85°	73.6	49.5	43.0	41.5	40.3
87.5°	31.1	21.4	20.1	20.1	18.6
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)