

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: P888248

Luminaire Tested: **DPT5-6FO55-127S30-A-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: P888248
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: DPT5-6FO55-127S30-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

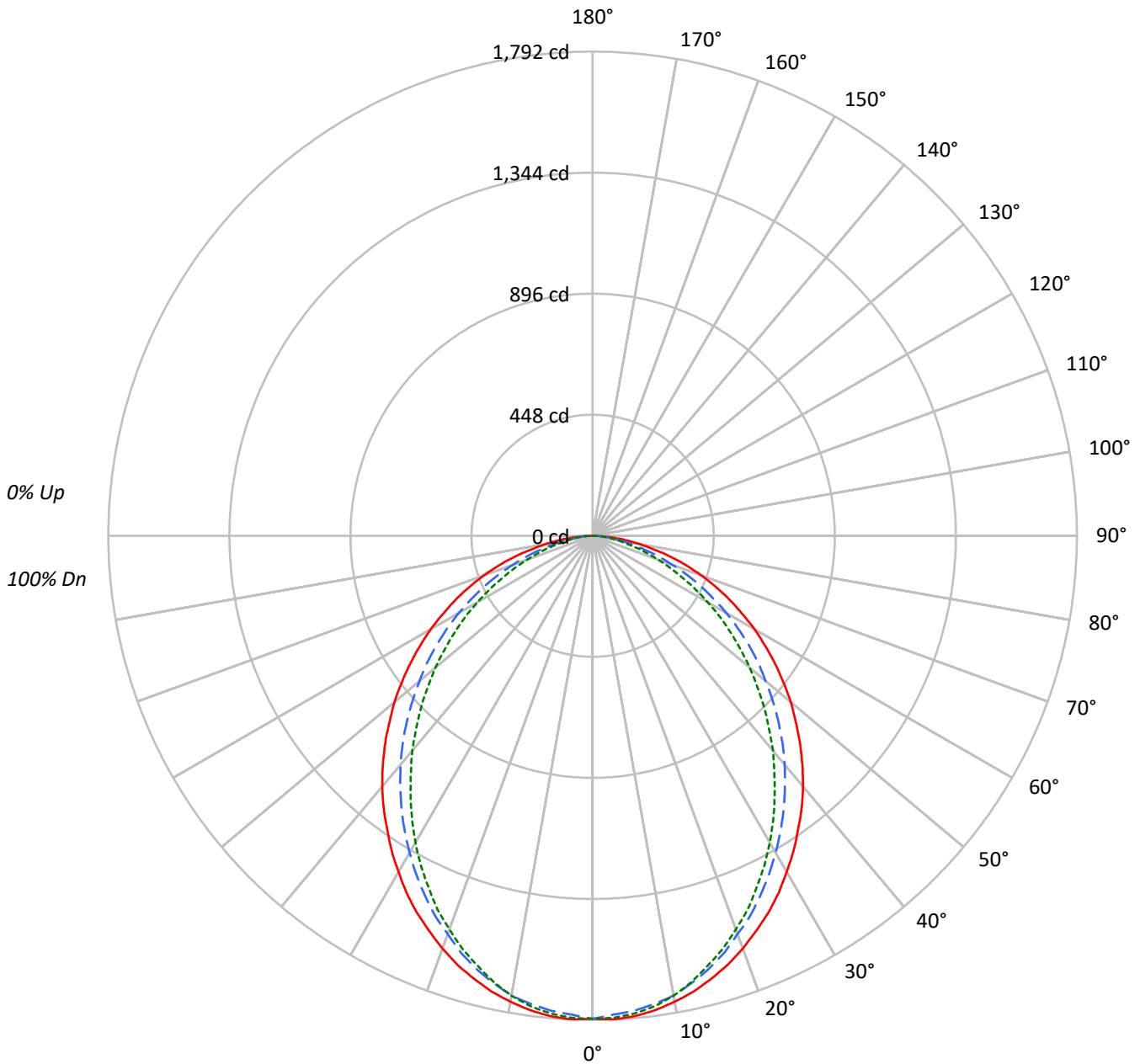
Lumens per Lamp: N/A
Luminaire Lumens: 4223.0 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

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°	11416	11416	11416
5°	11442	11312	11379
10°	11354	11205	11205
15°	11221	10977	10889
20°	11045	10660	10533
25°	10843	10349	10122
30°	10592	9985	9668
35°	10335	9610	9157
40°	10096	9217	8655
45°	9802	8778	8109
50°	9509	8303	7539
55°	9170	7848	6931
60°	8828	7293	6275
65°	8428	6652	5525
70°	7967	5844	4765
75°	7328	4930	3968
80°	6454	3876	3336
85°	5430	3173	2975



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.2	4.0
10°-20°	470.1	11.1
20°-30°	681.7	16.1
30°-40°	776.6	18.4
40°-50°	756.9	17.9
50°-60°	637.0	15.1
60°-70°	446.4	10.6
70°-80°	228.9	5.4
80°-90°	57.1	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°	1320.0	31.3
0°-40°	2096.6	49.6
0°-60°	3490.6	82.7
0°-90°	4223.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4223.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1788	1788	1788	1788	1788	
5°	1785	1780	1764	1778	1775	169
15°	1697	1689	1660	1659	1647	478
25°	1539	1519	1469	1451	1436	708
35°	1326	1293	1233	1194	1174	830
45°	1085	1046	972	918	898	837
55°	824	780	705	644	622	736
65°	558	512	440	386	366	552
75°	297	256	200	170	161	314
85°	74	50	43	42	41	86
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1787.5	1787.5	1787.5	1787.5	1787.5
2.5°	1791.5	1787.5	1774.0	1787.5	1786.0
5°	1784.8	1779.5	1764.5	1777.7	1775.0
7.5°	1771.2	1765.7	1748.2	1759.0	1756.5
10°	1750.9	1746.9	1727.9	1732.2	1727.9
12.5°	1727.9	1722.4	1695.4	1698.1	1691.6
15°	1697.1	1688.8	1660.3	1659.0	1647.0
17.5°	1664.6	1652.5	1618.5	1612.0	1602.4
20°	1625.2	1612.0	1568.6	1561.9	1549.9
22.5°	1582.2	1568.6	1523.1	1508.0	1498.3
25°	1538.8	1518.6	1468.7	1451.2	1436.4
27.5°	1490.5	1466.0	1413.4	1390.6	1375.8
30°	1436.4	1410.9	1354.0	1323.2	1311.0
32.5°	1383.6	1352.8	1294.7	1259.6	1243.6
35°	1325.7	1293.4	1232.6	1193.5	1174.5
37.5°	1270.4	1231.1	1169.0	1123.4	1104.1
40°	1211.0	1170.5	1105.6	1054.3	1038.2
42.5°	1148.7	1106.9	1039.3	990.9	965.1
45°	1085.3	1046.5	971.9	918.0	897.8
47.5°	1019.0	978.9	904.3	849.2	826.1
50°	957.1	912.5	835.7	779.1	758.8
52.5°	889.5	843.9	772.1	709.9	689.7
55°	823.6	780.3	704.9	644.1	622.5
57.5°	756.0	709.9	637.3	577.7	558.9
60°	691.2	644.1	571.0	511.6	491.3
62.5°	622.5	577.7	503.6	449.5	429.2
65°	557.7	511.6	440.2	385.9	365.6
67.5°	492.6	447.0	377.9	326.8	310.8
70°	426.7	380.6	313.0	271.2	255.2
72.5°	361.9	317.3	255.2	217.4	208.1
75°	297.0	256.4	199.8	170.3	160.8
77.5°	230.6	198.3	151.0	128.5	120.2
80°	175.5	143.2	105.4	93.2	90.7
82.5°	121.5	93.2	70.4	65.9	64.9
85°	74.1	49.8	43.3	41.8	40.6
87.5°	31.3	21.5	20.3	20.3	18.8
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)