

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: P888523

Luminaire Tested: **DPT5-6FO55-127S30-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: P888523
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-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

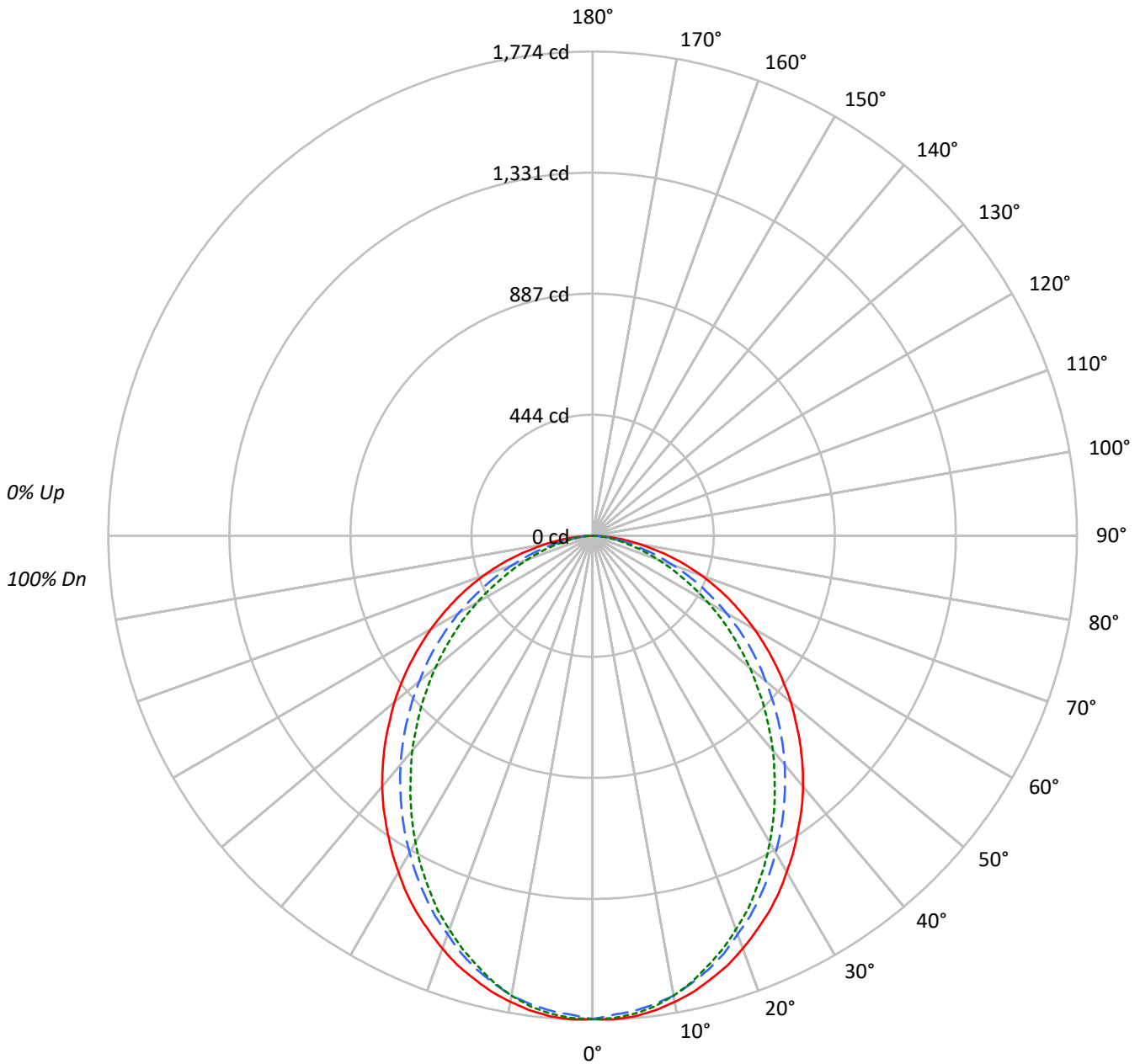
Lumens per Lamp: N/A
Luminaire Lumens: 4182.0 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

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°	11305	11305	11305
5°	11330	11201	11269
10°	11244	11096	11096
15°	11111	10871	10784
20°	10938	10557	10431
25°	10738	10249	10024
30°	10490	9888	9573
35°	10236	9516	9068
40°	9998	9128	8572
45°	9707	8693	8029
50°	9417	8221	7465
55°	9081	7773	6864
60°	8743	7222	6215
65°	8346	6589	5472
70°	7891	5788	4718
75°	7257	4883	3928
80°	6392	3840	3303
85°	5378	3143	2946



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.6	4.0
10°-20°	465.5	11.1
20°-30°	675.0	16.1
30°-40°	769.1	18.4
40°-50°	749.6	17.9
50°-60°	630.9	15.1
60°-70°	442.1	10.6
70°-80°	226.7	5.4
80°-90°	56.5	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°	1307.2	31.3
0°-40°	2076.3	49.6
0°-60°	3456.7	82.7
0°-90°	4182.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4182.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1770	1770	1770	1770	1770	
5°	1767	1762	1747	1760	1758	168
15°	1681	1672	1644	1643	1631	474
25°	1524	1504	1454	1437	1422	701
35°	1313	1281	1221	1182	1163	822
45°	1075	1036	962	909	889	829
55°	816	773	698	638	616	729
65°	552	507	436	382	362	547
75°	294	254	198	169	159	311
85°	73	49	43	41	40	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1770.2	1770.2	1770.2	1770.2	1770.2
2.5°	1774.1	1770.2	1756.8	1770.2	1768.7
5°	1767.4	1762.2	1747.3	1760.5	1757.8
7.5°	1754.0	1748.6	1731.2	1741.9	1739.4
10°	1733.9	1730.0	1711.1	1715.4	1711.1
12.5°	1711.1	1705.7	1678.9	1681.6	1675.2
15°	1680.6	1672.4	1644.2	1642.9	1631.0
17.5°	1648.4	1636.5	1602.8	1596.3	1586.9
20°	1609.5	1596.3	1553.4	1546.7	1534.8
22.5°	1566.8	1553.4	1508.3	1493.4	1483.7
25°	1523.9	1503.8	1454.5	1437.1	1422.5
27.5°	1476.0	1451.7	1399.7	1377.1	1362.5
30°	1422.5	1397.2	1340.9	1310.4	1298.2
32.5°	1370.1	1339.6	1282.1	1247.4	1231.5
35°	1312.9	1280.9	1220.6	1181.9	1163.1
37.5°	1258.1	1219.1	1157.6	1112.5	1093.4
40°	1199.3	1159.1	1094.9	1044.0	1028.2
42.5°	1137.5	1096.1	1029.2	981.3	955.8
45°	1074.8	1036.4	962.5	909.1	889.0
47.5°	1009.1	969.4	895.5	840.9	818.1
50°	947.8	903.7	827.5	771.5	751.4
52.5°	880.9	835.7	764.6	703.1	683.0
55°	815.6	772.7	698.1	637.8	616.5
57.5°	748.7	703.1	631.1	572.1	553.5
60°	684.5	637.8	565.4	506.6	486.6
62.5°	616.5	572.1	498.7	445.1	425.1
65°	552.3	506.6	436.0	382.2	362.1
67.5°	487.8	442.7	374.2	323.6	307.8
70°	422.6	376.9	310.0	268.6	252.7
72.5°	358.3	314.2	252.7	215.3	206.1
75°	294.1	253.9	197.9	168.6	159.2
77.5°	228.4	196.4	149.5	127.2	119.0
80°	173.8	141.9	104.4	92.3	89.8
82.5°	120.3	92.3	69.7	65.2	64.2
85°	73.4	49.4	42.9	41.4	40.2
87.5°	31.0	21.3	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)