

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: P888250

Luminaire Tested: **DPT5-6FO55-127S40-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: P888250
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: DPT5-6FO55-127S40-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

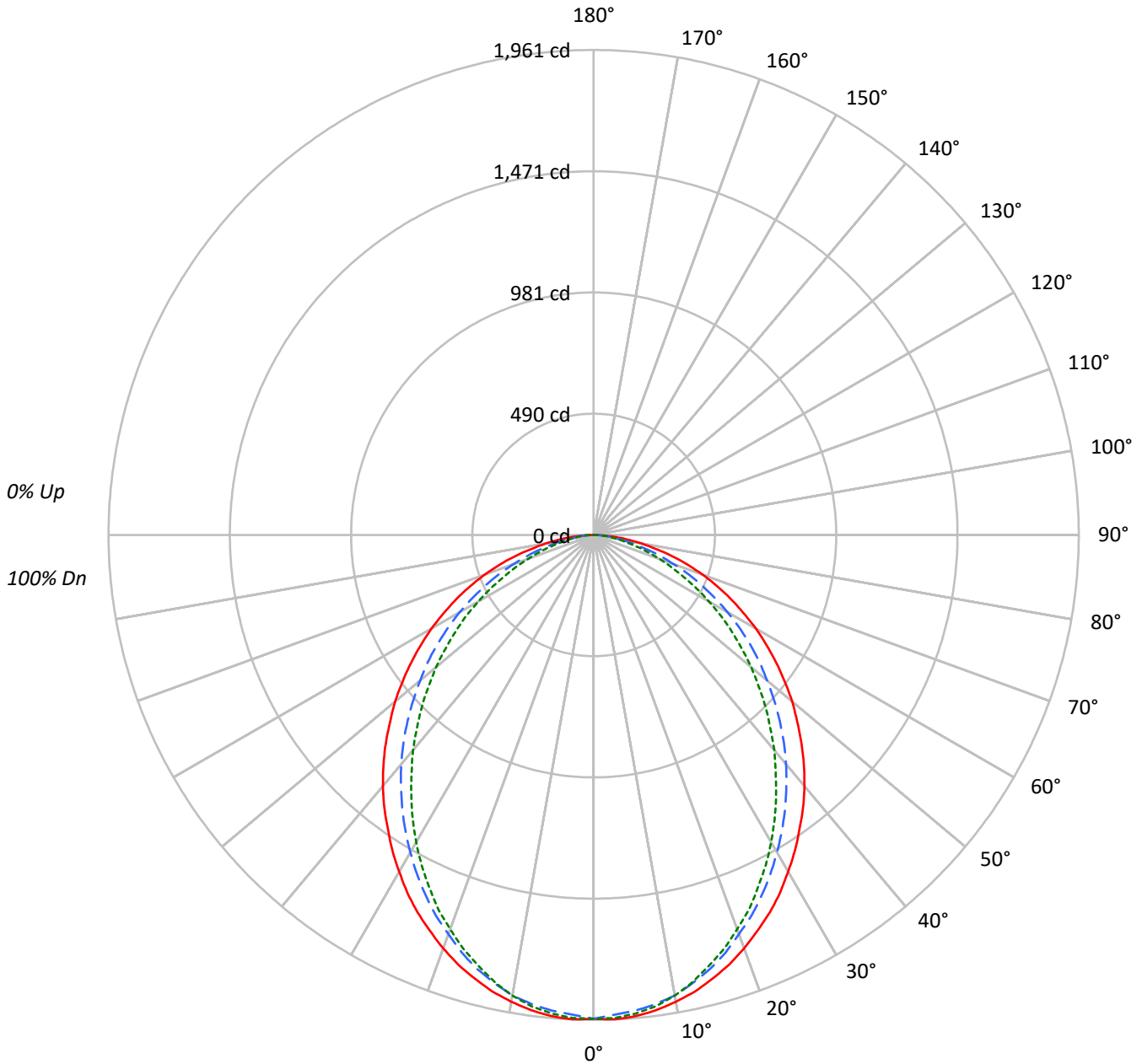
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4622.0 lumens
Efficiency: N/A
Efficacy: 102.7 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°	12494	12494	12494
5°	12523	12380	12454
10°	12428	12264	12264
15°	12281	12015	11918
20°	12089	11668	11528
25°	11868	11327	11078
30°	11593	10929	10581
35°	11312	10517	10021
40°	11050	10088	9473
45°	10729	9607	8874
50°	10407	9087	8251
55°	10037	8590	7587
60°	9662	7982	6868
65°	9224	7281	6048
70°	8720	6397	5215
75°	8022	5396	4343
80°	7065	4244	3648
85°	5943	3473	3253



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.1	4.0
10°-20°	514.5	11.1
20°-30°	746.1	16.1
30°-40°	850.0	18.4
40°-50°	828.5	17.9
50°-60°	697.2	15.1
60°-70°	488.6	10.6
70°-80°	250.5	5.4
80°-90°	62.5	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°	1444.7	31.3
0°-40°	2294.7	49.6
0°-60°	3820.4	82.7
0°-90°	4622.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4622.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1956	1956	1956	1956	1956	
5°	1953	1948	1931	1946	1943	185
15°	1858	1848	1817	1816	1803	524
25°	1684	1662	1608	1588	1572	775
35°	1451	1416	1349	1306	1285	909
45°	1188	1145	1064	1005	983	916
55°	902	854	772	705	681	806
65°	610	560	482	422	400	604
75°	325	281	219	186	176	344
85°	81	54	47	46	44	94
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1956.4	1956.4	1956.4	1956.4	1956.4
2.5°	1960.8	1956.4	1941.6	1956.4	1954.8
5°	1953.4	1947.6	1931.2	1945.7	1942.7
7.5°	1938.6	1932.6	1913.4	1925.2	1922.4
10°	1916.4	1912.0	1891.2	1895.8	1891.2
12.5°	1891.2	1885.1	1855.5	1858.6	1851.4
15°	1857.5	1848.4	1817.2	1815.8	1802.6
17.5°	1821.8	1808.7	1771.4	1764.3	1753.9
20°	1778.8	1764.3	1716.9	1709.5	1696.3
22.5°	1731.7	1716.9	1667.0	1650.5	1639.8
25°	1684.2	1662.0	1607.5	1588.3	1572.1
27.5°	1631.3	1604.5	1546.9	1522.0	1505.8
30°	1572.1	1544.2	1482.0	1448.3	1434.8
32.5°	1514.3	1480.6	1417.0	1378.6	1361.1
35°	1451.0	1415.6	1349.0	1306.3	1285.4
37.5°	1390.4	1347.4	1279.4	1229.5	1208.4
40°	1325.5	1281.1	1210.1	1153.9	1136.3
42.5°	1257.2	1211.4	1137.4	1084.5	1056.3
45°	1187.9	1145.4	1063.7	1004.8	982.6
47.5°	1115.2	1071.4	989.7	929.4	904.2
50°	1047.5	998.8	914.6	852.7	830.5
52.5°	973.5	923.7	845.0	777.0	754.8
55°	901.5	854.0	771.5	704.9	681.4
57.5°	827.5	777.0	697.5	632.3	611.8
60°	756.5	704.9	624.9	560.0	537.7
62.5°	681.4	632.3	551.2	492.0	469.8
65°	610.4	560.0	481.8	422.4	400.2
67.5°	539.1	489.2	413.6	357.7	340.1
70°	467.0	416.6	342.6	296.8	279.3
72.5°	396.0	347.3	279.3	237.9	227.8
75°	325.1	280.7	218.7	186.4	176.0
77.5°	252.4	217.1	165.3	140.6	131.6
80°	192.1	156.8	115.4	102.0	99.2
82.5°	132.9	102.0	77.0	72.1	71.0
85°	81.1	54.5	47.4	45.8	44.4
87.5°	34.3	23.6	22.2	22.2	20.6
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)