

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: P888194

Luminaire Tested: **DPT5-6FO44-127S35-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: P888194
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: DPT5-6FO44-127S35-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

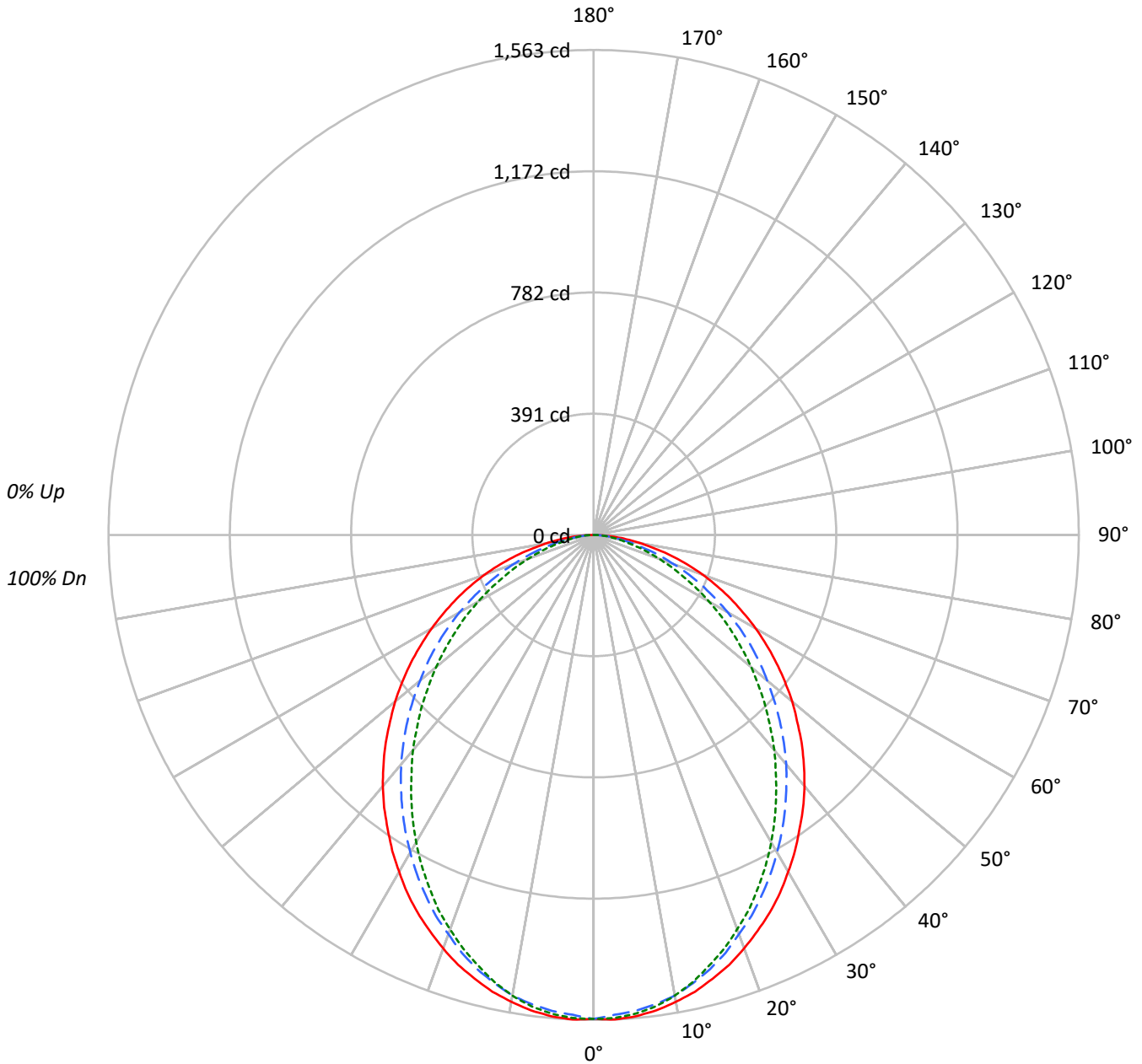
Lumens per Lamp: N/A
Luminaire Lumens: 3685.0 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 3.56' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 37
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°	12058	12058	12058
5°	12086	11949	12020
10°	11994	11836	11836
15°	11852	11595	11503
20°	11667	11261	11126
25°	11454	10932	10691
30°	11189	10547	10211
35°	10917	10150	9673
40°	10665	9737	9143
45°	10355	9272	8565
50°	10045	8770	7963
55°	9687	8290	7321
60°	9325	7703	6628
65°	8901	7028	5835
70°	8417	6173	5034
75°	7742	5209	4191
80°	6820	4096	3522
85°	5739	3353	3140



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.8	4.0
10°-20°	410.2	11.1
20°-30°	594.8	16.1
30°-40°	677.7	18.4
40°-50°	660.5	17.9
50°-60°	555.9	15.1
60°-70°	389.5	10.6
70°-80°	199.7	5.4
80°-90°	49.8	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°	1151.8	31.3
0°-40°	1829.5	49.6
0°-60°	3045.9	82.7
0°-90°	3685.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3685.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1560	1560	1560	1560	1560	
5°	1557	1553	1540	1551	1549	148
15°	1481	1474	1449	1448	1437	418
25°	1343	1325	1282	1266	1253	618
35°	1157	1129	1076	1042	1025	724
45°	947	913	848	801	783	730
55°	719	681	615	562	543	643
65°	487	446	384	337	319	482
75°	259	224	174	149	140	274
85°	65	44	38	36	35	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1559.8	1559.8	1559.8	1559.8	1559.8
2.5°	1563.3	1559.8	1548.0	1559.8	1558.5
5°	1557.4	1552.8	1539.7	1551.3	1548.9
7.5°	1545.6	1540.8	1525.5	1534.9	1532.7
10°	1527.9	1524.4	1507.8	1511.5	1507.8
12.5°	1507.8	1503.0	1479.4	1481.8	1476.1
15°	1480.9	1473.7	1448.8	1447.7	1437.2
17.5°	1452.5	1442.0	1412.3	1406.6	1398.3
20°	1418.2	1406.6	1368.8	1362.9	1352.4
22.5°	1380.6	1368.8	1329.0	1315.9	1307.4
25°	1342.8	1325.1	1281.6	1266.3	1253.4
27.5°	1300.6	1279.2	1233.3	1213.4	1200.5
30°	1253.4	1231.1	1181.5	1154.7	1143.9
32.5°	1207.3	1180.4	1129.7	1099.1	1085.2
35°	1156.8	1128.6	1075.5	1041.5	1024.9
37.5°	1108.5	1074.2	1020.0	980.3	963.4
40°	1056.8	1021.4	964.8	920.0	906.0
42.5°	1002.3	965.9	906.9	864.7	842.2
45°	947.1	913.2	848.1	801.1	783.4
47.5°	889.2	854.2	789.1	741.0	720.9
50°	835.2	796.3	729.2	679.8	662.1
52.5°	776.2	736.4	673.7	619.5	601.8
55°	718.7	680.9	615.1	562.0	543.2
57.5°	659.7	619.5	556.1	504.1	487.7
60°	603.1	562.0	498.2	446.4	428.7
62.5°	543.2	504.1	439.4	392.2	374.5
65°	486.6	446.4	384.2	336.7	319.0
67.5°	429.8	390.1	329.7	285.2	271.2
70°	372.4	332.1	273.1	236.7	222.7
72.5°	315.8	276.9	222.7	189.7	181.6
75°	259.2	223.8	174.4	148.6	140.3
77.5°	201.3	173.1	131.8	112.1	104.9
80°	153.2	125.0	92.0	81.3	79.1
82.5°	106.0	81.3	61.4	57.5	56.6
85°	64.7	43.5	37.8	36.5	35.4
87.5°	27.3	18.8	17.7	17.7	16.4
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)