

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: P888252

Luminaire Tested: **DPT5-6FO55-127V60-A-XX-UDD_3000K**

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: P888252
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_3000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

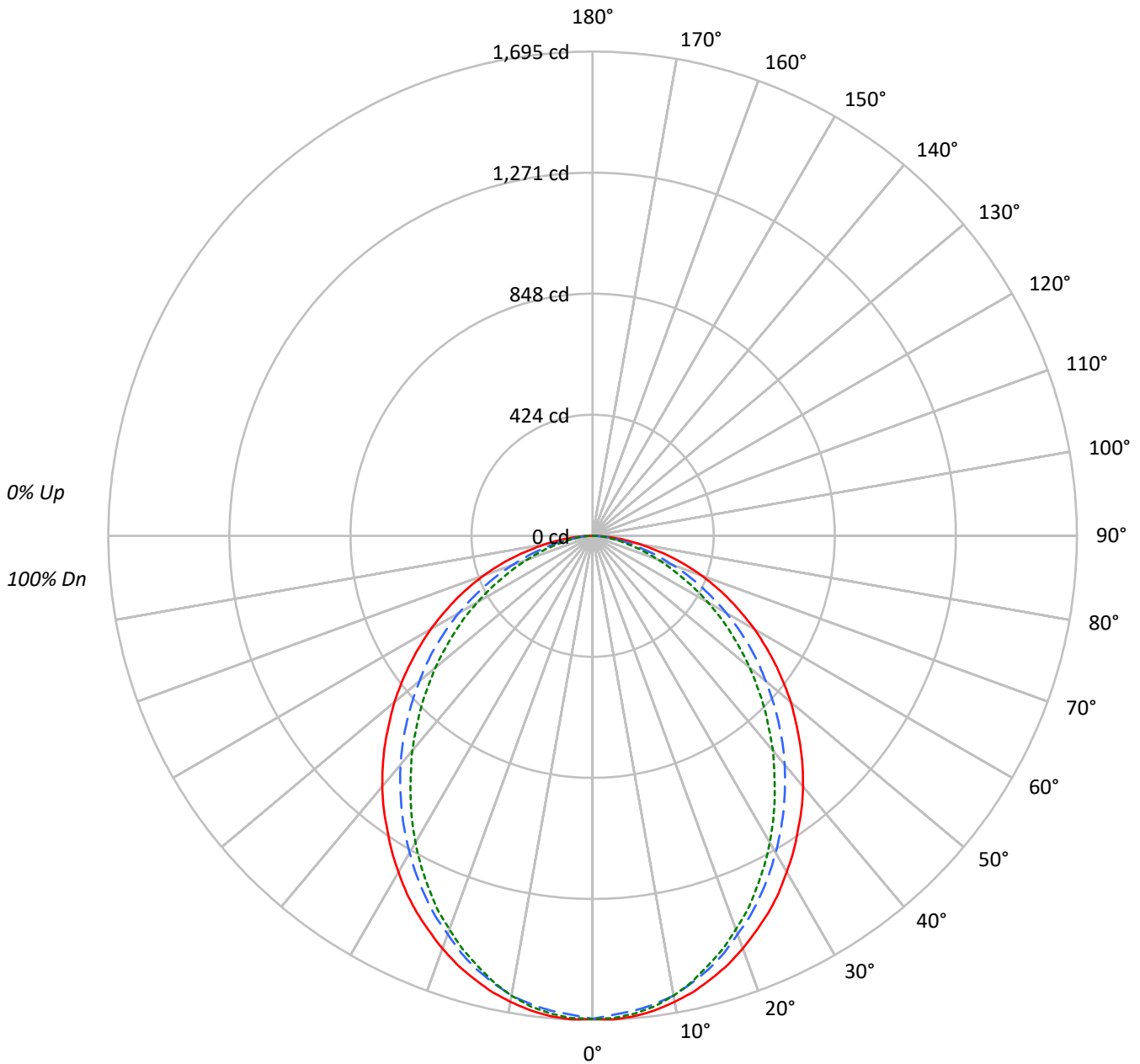
Lumens per Lamp: N/A
Luminaire Lumens: 3995.0 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

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°	10799	10799	10799
5°	10824	10701	10765
10°	10741	10600	10600
15°	10615	10385	10302
20°	10449	10086	9965
25°	10258	9790	9576
30°	10021	9446	9146
35°	9778	9090	8662
40°	9551	8719	8188
45°	9273	8304	7671
50°	8995	7854	7132
55°	8676	7425	6557
60°	8351	6898	5937
65°	7973	6294	5227
70°	7538	5529	4507
75°	6934	4664	3753
80°	6109	3667	3155
85°	5137	3004	2814



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.1	4.0
10°-20°	444.7	11.1
20°-30°	644.9	16.1
30°-40°	734.7	18.4
40°-50°	716.1	17.9
50°-60°	602.7	15.1
60°-70°	422.3	10.6
70°-80°	216.5	5.4
80°-90°	54.0	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°	1248.7	31.3
0°-40°	1983.4	49.6
0°-60°	3302.2	82.7
0°-90°	3995.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3995.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1691	1691	1691	1691	1691	
5°	1688	1683	1669	1682	1679	160
15°	1606	1598	1571	1570	1558	453
25°	1456	1437	1389	1373	1359	670
35°	1254	1224	1166	1129	1111	785
45°	1027	990	919	868	849	792
55°	779	738	667	609	589	697
65°	528	484	416	365	346	522
75°	281	243	189	161	152	297
85°	70	47	41	40	38	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1691.0	1691.0	1691.0	1691.0	1691.0
2.5°	1694.8	1691.0	1678.2	1691.0	1689.6
5°	1688.4	1683.4	1669.2	1681.8	1679.2
7.5°	1675.6	1670.4	1653.8	1664.0	1661.6
10°	1656.4	1652.6	1634.6	1638.6	1634.6
12.5°	1634.6	1629.4	1603.8	1606.4	1600.3
15°	1605.5	1597.7	1570.7	1569.5	1558.1
17.5°	1574.7	1563.3	1531.1	1524.9	1515.9
20°	1537.5	1524.9	1484.0	1477.6	1466.2
22.5°	1496.7	1484.0	1440.8	1426.6	1417.4
25°	1455.8	1436.6	1389.4	1372.8	1358.9
27.5°	1410.0	1386.8	1337.1	1315.5	1301.5
30°	1358.9	1334.7	1280.9	1251.8	1240.2
32.5°	1308.9	1279.7	1224.8	1191.6	1176.5
35°	1254.2	1223.6	1166.0	1129.1	1111.1
37.5°	1201.8	1164.6	1105.9	1062.7	1044.5
40°	1145.7	1107.3	1045.9	997.4	982.2
42.5°	1086.7	1047.1	983.1	937.4	913.0
45°	1026.7	990.0	919.4	868.5	849.3
47.5°	964.0	926.0	855.5	803.3	781.5
50°	905.4	863.3	790.5	737.0	717.8
52.5°	841.5	798.4	730.4	671.6	652.4
55°	779.2	738.2	666.9	609.3	588.9
57.5°	715.2	671.6	602.9	546.5	528.8
60°	653.8	609.3	540.1	484.0	464.8
62.5°	588.9	546.5	476.4	425.2	406.0
65°	527.6	484.0	416.5	365.1	345.9
67.5°	466.0	422.9	357.5	309.2	294.0
70°	403.7	360.1	296.1	256.6	241.4
72.5°	342.3	300.2	241.4	205.6	196.9
75°	281.0	242.6	189.0	161.1	152.1
77.5°	218.2	187.6	142.9	121.5	113.7
80°	166.1	135.5	99.7	88.1	85.8
82.5°	114.9	88.1	66.6	62.3	61.4
85°	70.1	47.1	41.0	39.6	38.4
87.5°	29.6	20.4	19.2	19.2	17.8
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)