

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: P888284

Luminaire Tested: **DPT5-6FO55-85V60-A-XX-UDD_2700K**

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: P888284
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: DPT5-6FO55-85V60-A-XX-UDD_2700K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

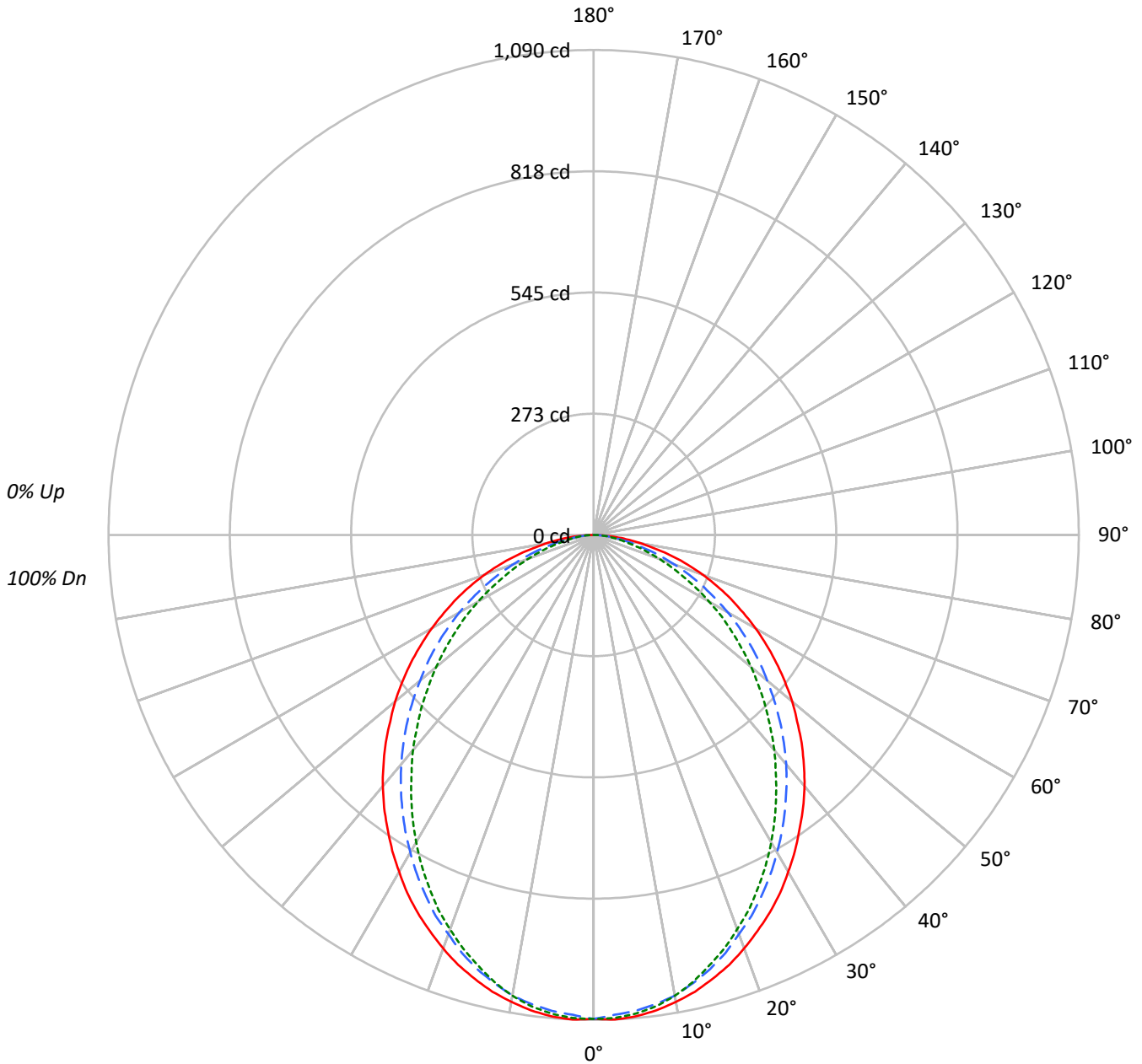
Lumens per Lamp: N/A
Luminaire Lumens: 2570.0 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 30.1
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°	6947	6947	6947
5°	6963	6884	6925
10°	6910	6819	6819
15°	6828	6680	6627
20°	6722	6488	6410
25°	6599	6298	6160
30°	6447	6076	5883
35°	6290	5848	5573
40°	6144	5609	5267
45°	5965	5342	4935
50°	5787	5053	4588
55°	5580	4777	4219
60°	5372	4438	3819
65°	5129	4048	3362
70°	4849	3557	2900
75°	4459	3000	2413
80°	3928	2361	2030
85°	3305	1934	1810



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.4	4.0
10°-20°	286.1	11.1
20°-30°	414.8	16.1
30°-40°	472.6	18.4
40°-50°	460.7	17.9
50°-60°	387.7	15.1
60°-70°	271.7	10.6
70°-80°	139.3	5.4
80°-90°	34.7	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°	803.3	31.3
0°-40°	1275.9	49.6
0°-60°	2124.3	82.7
0°-90°	2570.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2570.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1088	1088	1088	1088	1088	
5°	1086	1083	1074	1082	1080	103
15°	1033	1028	1010	1010	1002	291
25°	936	924	894	883	874	431
35°	807	787	750	726	715	505
45°	660	637	592	559	546	509
55°	501	475	429	392	379	448
65°	339	311	268	235	222	336
75°	181	156	122	104	98	191
85°	45	30	26	26	25	52
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1087.8	1087.8	1087.8	1087.8	1087.8
2.5°	1090.3	1087.8	1079.6	1087.8	1086.9
5°	1086.2	1083.0	1073.8	1081.9	1080.2
7.5°	1077.9	1074.6	1063.9	1070.5	1068.9
10°	1065.6	1063.1	1051.6	1054.1	1051.6
12.5°	1051.6	1048.2	1031.7	1033.4	1029.5
15°	1032.8	1027.8	1010.4	1009.6	1002.3
17.5°	1013.0	1005.7	985.0	981.0	975.2
20°	989.1	981.0	954.6	950.5	943.2
22.5°	962.9	954.6	926.9	917.8	911.8
25°	936.5	924.2	893.8	883.2	874.2
27.5°	907.1	892.1	860.1	846.3	837.3
30°	874.2	858.6	824.0	805.3	797.8
32.5°	842.0	823.3	787.9	766.6	756.8
35°	806.8	787.1	750.1	726.3	714.8
37.5°	773.1	749.2	711.4	683.7	671.9
40°	737.0	712.3	672.8	641.6	631.8
42.5°	699.1	673.6	632.5	603.0	587.3
45°	660.5	636.9	591.5	558.7	546.4
47.5°	620.1	595.7	550.3	516.8	502.8
50°	582.5	555.3	508.6	474.1	461.8
52.5°	541.3	513.6	469.8	432.1	419.7
55°	501.2	474.9	429.0	392.0	378.9
57.5°	460.1	432.1	387.9	351.6	340.2
60°	420.6	392.0	347.5	311.4	299.0
62.5°	378.9	351.6	306.5	273.6	261.2
65°	339.4	311.4	267.9	234.8	222.5
67.5°	299.8	272.0	230.0	198.9	189.1
70°	259.7	231.6	190.5	165.0	155.3
72.5°	220.2	193.1	155.3	132.3	126.6
75°	180.7	156.1	121.6	103.6	97.8
77.5°	140.4	120.7	91.9	78.2	73.2
80°	106.8	87.2	64.2	56.7	55.2
82.5°	73.9	56.7	42.8	40.1	39.5
85°	45.1	30.3	26.4	25.5	24.7
87.5°	19.0	13.1	12.3	12.3	11.4
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)