

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: P888285

Luminaire Tested: **DPT5-6FO55-85V60-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: P888285
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_3000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

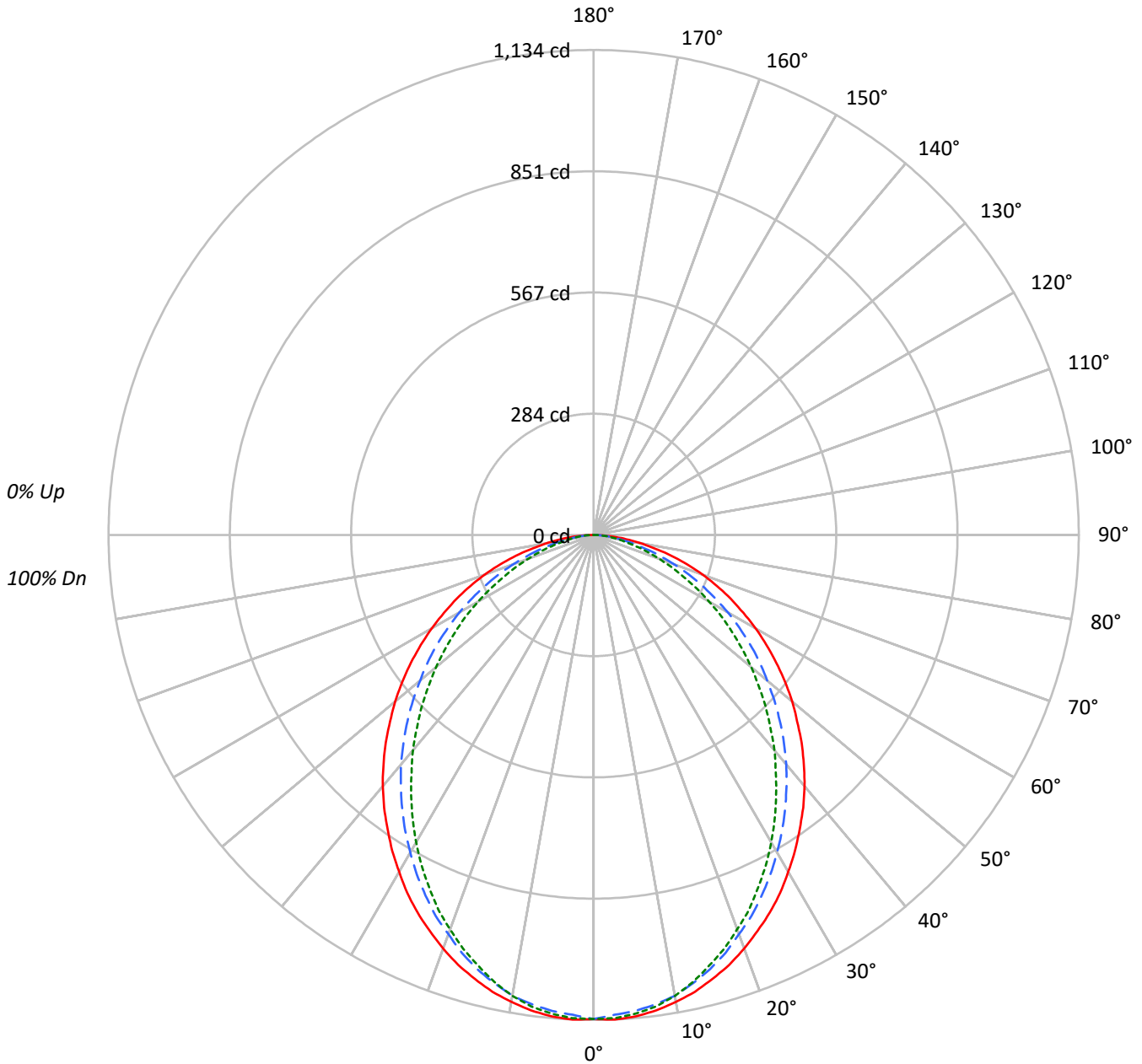
Lumens per Lamp: N/A
Luminaire Lumens: 2674.0 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	7229	7229	7229
5°	7245	7163	7205
10°	7190	7095	7095
15°	7105	6951	6895
20°	6994	6751	6670
25°	6866	6553	6409
30°	6707	6323	6121
35°	6545	6085	5798
40°	6393	5837	5481
45°	6207	5558	5134
50°	6021	5257	4774
55°	5806	4970	4389
60°	5589	4617	3974
65°	5336	4213	3498
70°	5045	3701	3017
75°	4641	3121	2512
80°	4090	2457	2111
85°	3437	2008	1883



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.5	4.0
10°-20°	297.7	11.1
20°-30°	431.6	16.1
30°-40°	491.8	18.4
40°-50°	479.3	17.9
50°-60°	403.4	15.1
60°-70°	282.7	10.6
70°-80°	144.9	5.4
80°-90°	36.1	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°	835.8	31.3
0°-40°	1327.6	49.6
0°-60°	2210.3	82.7
0°-90°	2674.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2674.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1132	1132	1132	1132	1132	
5°	1130	1127	1117	1126	1124	107
15°	1075	1069	1051	1050	1043	303
25°	974	962	930	919	910	448
35°	840	819	780	756	744	526
45°	687	663	615	581	568	530
55°	522	494	446	408	394	466
65°	353	324	279	244	232	350
75°	188	162	126	108	102	199
85°	47	32	27	26	26	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1131.9	1131.9	1131.9	1131.9	1131.9
2.5°	1134.4	1131.9	1123.3	1131.9	1130.9
5°	1130.1	1126.8	1117.3	1125.7	1123.9
7.5°	1121.5	1118.1	1107.0	1113.8	1112.2
10°	1108.7	1106.2	1094.1	1096.8	1094.1
12.5°	1094.1	1090.6	1073.5	1075.2	1071.1
15°	1074.6	1069.4	1051.3	1050.5	1042.9
17.5°	1054.0	1046.4	1024.8	1020.7	1014.7
20°	1029.1	1020.7	993.3	989.0	981.4
22.5°	1001.8	993.3	964.4	954.9	948.7
25°	974.4	961.5	930.0	918.9	909.5
27.5°	943.8	928.3	895.0	880.5	871.2
30°	909.5	893.4	857.4	837.9	830.1
32.5°	876.1	856.6	819.8	797.6	787.4
35°	839.5	819.0	780.5	755.7	743.7
37.5°	804.4	779.5	740.2	711.3	699.1
40°	766.8	741.1	700.1	667.6	657.4
42.5°	727.3	700.9	658.1	627.4	611.1
45°	687.2	662.7	615.4	581.3	568.5
47.5°	645.2	619.8	572.6	537.7	523.1
50°	606.0	577.8	529.1	493.3	480.5
52.5°	563.2	534.4	488.9	449.5	436.7
55°	521.5	494.1	446.4	407.8	394.2
57.5°	478.7	449.5	403.6	365.8	353.9
60°	437.6	407.8	361.5	324.0	311.1
62.5°	394.2	365.8	318.9	284.6	271.8
65°	353.1	324.0	278.8	244.4	231.5
67.5°	311.9	283.0	239.3	206.9	196.8
70°	270.2	241.0	198.2	171.7	161.6
72.5°	229.1	200.9	161.6	137.6	131.8
75°	188.1	162.4	126.5	107.8	101.8
77.5°	146.0	125.6	95.6	81.3	76.1
80°	111.2	90.7	66.8	59.0	57.4
82.5°	76.9	59.0	44.6	41.7	41.1
85°	46.9	31.6	27.4	26.5	25.7
87.5°	19.8	13.6	12.8	12.8	11.9
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)