

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: P888560

Luminaire Tested: **DPT5-6FO55-85V60-F-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: P888560
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-F-XX-UDD_3000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

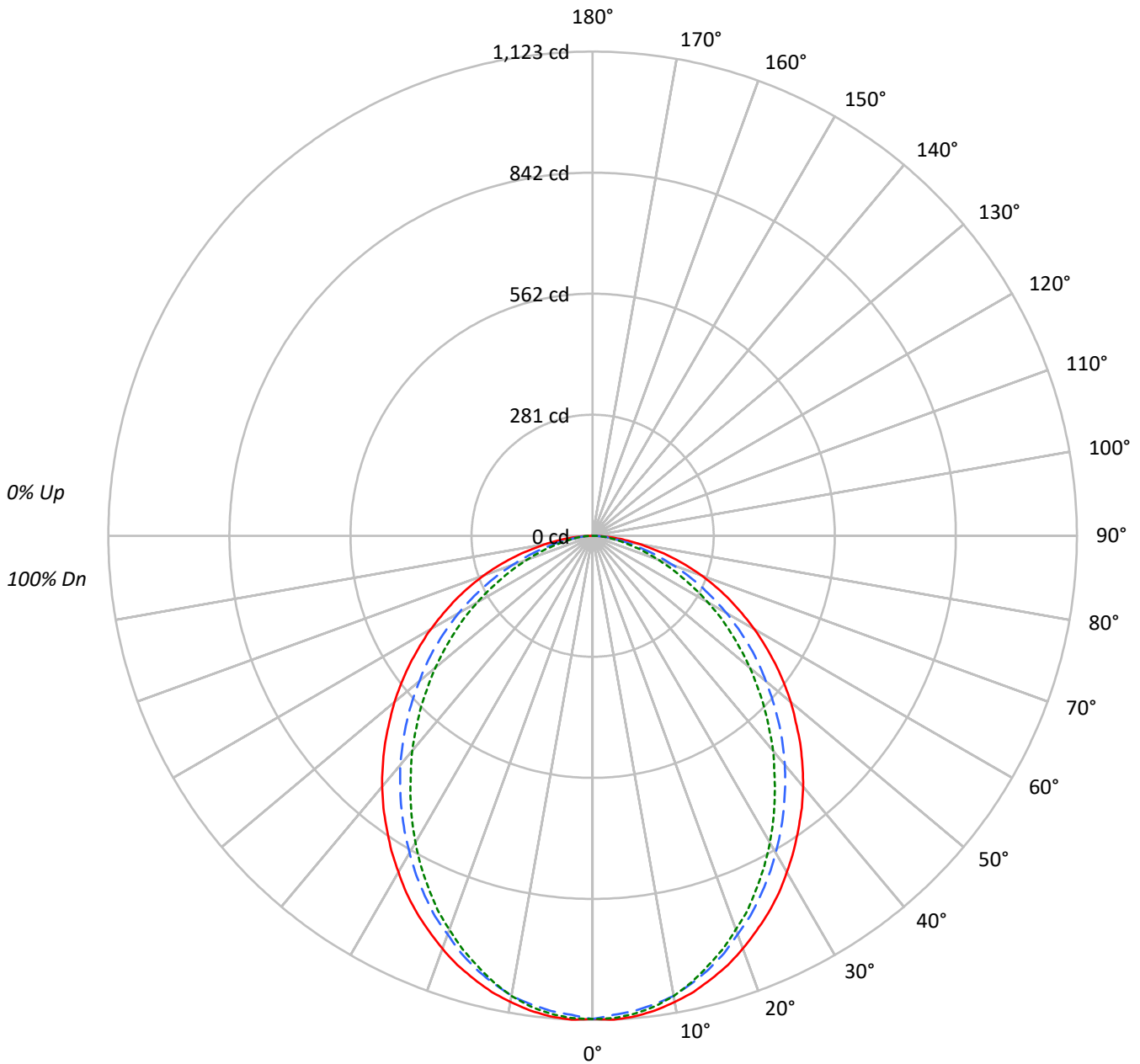
Lumens per Lamp: N/A
Luminaire Lumens: 2648.0 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P888560

CATALOG NUMBER: DPT5-6FO55-85V60-F-XX-UDD_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P888560

CATALOG NUMBER: DPT5-6FO55-85V60-F-XX-UDD_3000K

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°	7158	7158	7158
5°	7174	7093	7135
10°	7120	7026	7026
15°	7036	6883	6828
20°	6926	6685	6605
25°	6799	6490	6347
30°	6642	6261	6062
35°	6481	6026	5741
40°	6331	5780	5427
45°	6146	5504	5084
50°	5962	5206	4727
55°	5751	4921	4347
60°	5536	4573	3935
65°	5284	4172	3465
70°	4997	3665	2988
75°	4594	3092	2487
80°	4049	2431	2089
85°	3407	1993	1861



TEST NUMBER: P888560

CATALOG NUMBER: DPT5-6FO55-85V60-F-XX-UDD_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.5	4.0
10°-20°	294.8	11.1
20°-30°	427.4	16.1
30°-40°	487.0	18.4
40°-50°	474.6	17.9
50°-60°	399.5	15.1
60°-70°	279.9	10.6
70°-80°	143.5	5.4
80°-90°	35.8	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°	827.7	31.3
0°-40°	1314.7	49.6
0°-60°	2188.8	82.7
0°-90°	2648.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2648.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1121	1121	1121	1121	1121	
5°	1119	1116	1106	1115	1113	106
15°	1064	1059	1041	1040	1033	300
25°	965	952	921	910	901	444
35°	831	811	773	748	736	521
45°	680	656	609	576	563	525
55°	516	489	442	404	390	462
65°	350	321	276	242	229	346
75°	186	161	125	107	101	197
85°	46	31	27	26	25	54
90°	0	0	0	0	0	



TEST NUMBER: P888560

CATALOG NUMBER: DPT5-6FO55-85V60-F-XX-UDD_3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1120.8	1120.8	1120.8	1120.8	1120.8
2.5°	1123.4	1120.8	1112.4	1120.8	1119.9
5°	1119.1	1115.8	1106.4	1114.7	1113.0
7.5°	1110.6	1107.2	1096.2	1102.9	1101.4
10°	1097.9	1095.4	1083.5	1086.1	1083.5
12.5°	1083.5	1080.0	1063.1	1064.8	1060.7
15°	1064.2	1059.0	1041.1	1040.3	1032.8
17.5°	1043.7	1036.2	1014.9	1010.8	1004.8
20°	1019.1	1010.8	983.6	979.4	971.8
22.5°	992.1	983.6	955.0	945.6	939.5
25°	964.9	952.2	921.0	910.0	900.7
27.5°	934.6	919.2	886.2	872.0	862.7
30°	900.7	884.7	849.0	829.7	822.0
32.5°	867.6	848.2	811.8	789.8	779.8
35°	831.3	811.0	772.9	748.4	736.4
37.5°	796.6	771.9	733.0	704.4	692.3
40°	759.4	733.9	693.3	661.1	651.0
42.5°	720.3	694.1	651.7	621.3	605.2
45°	680.5	656.2	609.4	575.7	562.9
47.5°	638.9	613.8	567.0	532.5	518.0
50°	600.1	572.2	524.0	488.5	475.8
52.5°	557.8	529.2	484.1	445.2	432.4
55°	516.5	489.3	442.0	403.9	390.4
57.5°	474.1	445.2	399.6	362.3	350.5
60°	433.4	403.9	358.0	320.8	308.1
62.5°	390.4	362.3	315.8	281.9	269.1
65°	349.7	320.8	276.1	242.0	229.3
67.5°	308.9	280.3	237.0	204.9	194.9
70°	267.6	238.7	196.3	170.1	160.0
72.5°	226.9	199.0	160.0	136.3	130.5
75°	186.2	160.8	125.3	106.8	100.8
77.5°	144.6	124.4	94.7	80.6	75.4
80°	110.1	89.8	66.1	58.4	56.8
82.5°	76.2	58.4	44.1	41.3	40.7
85°	46.5	31.2	27.2	26.2	25.4
87.5°	19.6	13.5	12.7	12.7	11.8
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)