

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: P888562

Luminaire Tested: **DPT5-6FO55-85V60-F-XX-UDD_4000K**

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: P888562
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_4000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

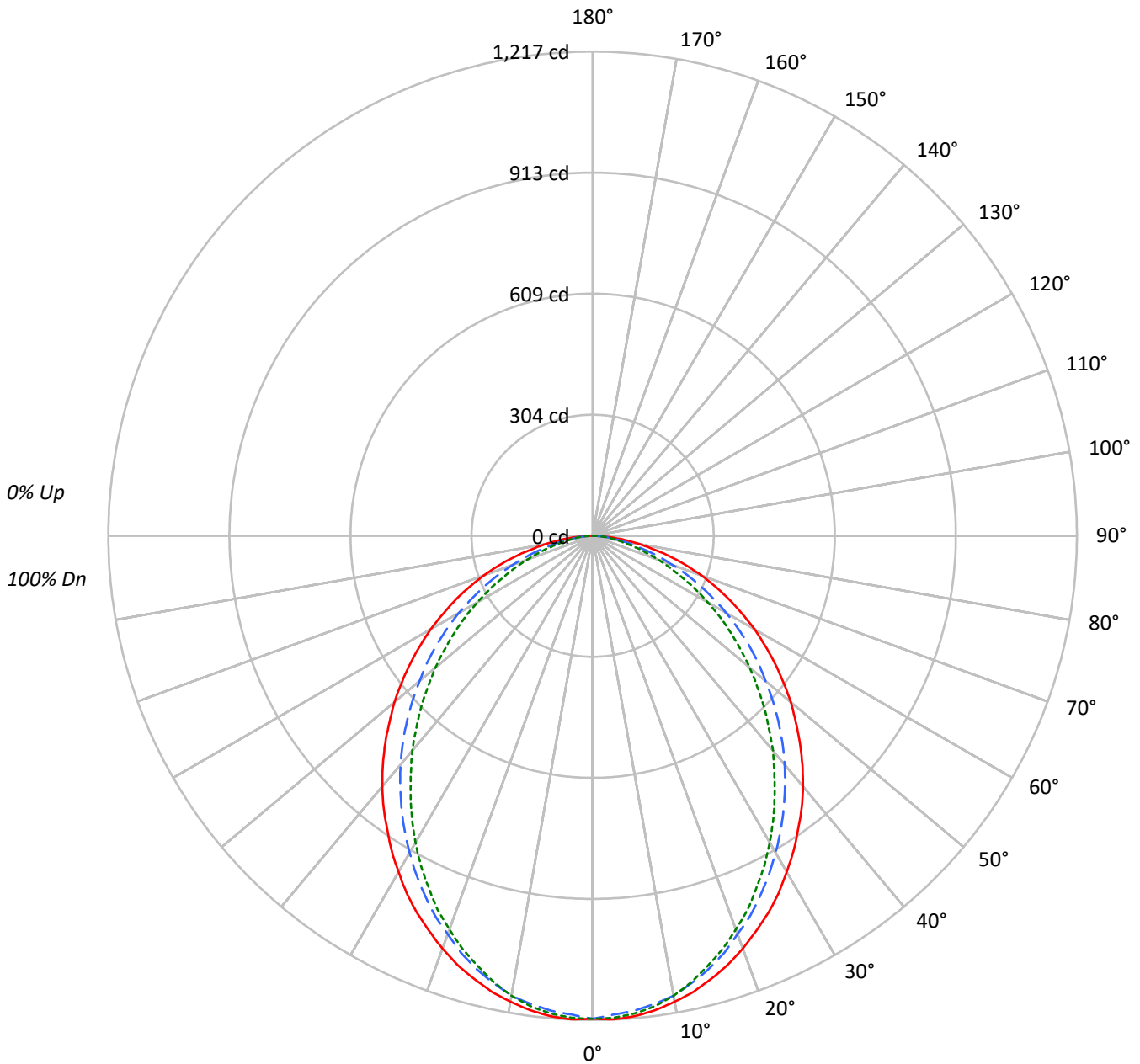
Lumens per Lamp: N/A
Luminaire Lumens: 2868.0 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

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: P888562

CATALOG NUMBER: DPT5-6FO55-85V60-F-XX-UDD_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P888562

CATALOG NUMBER: DPT5-6FO55-85V60-F-XX-UDD_4000K

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°	7753	7753	7753
5°	7770	7682	7728
10°	7711	7610	7610
15°	7621	7455	7396
20°	7502	7240	7154
25°	7364	7029	6874
30°	7194	6781	6565
35°	7020	6526	6218
40°	6857	6260	5878
45°	6657	5961	5507
50°	6458	5638	5120
55°	6228	5330	4708
60°	5995	4953	4262
65°	5723	4518	3752
70°	5411	3970	3236
75°	4977	3348	2694
80°	4384	2633	2265
85°	3686	2154	2022



TEST NUMBER: P888562

CATALOG NUMBER: DPT5-6FO55-85V60-F-XX-UDD_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.3	4.0
10°-20°	319.3	11.1
20°-30°	462.9	16.1
30°-40°	527.4	18.4
40°-50°	514.1	17.9
50°-60°	432.6	15.1
60°-70°	303.2	10.6
70°-80°	155.4	5.4
80°-90°	38.8	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°	896.5	31.3
0°-40°	1423.9	49.6
0°-60°	2370.6	82.7
0°-90°	2868.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2868.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1214	1214	1214	1214	1214	
5°	1212	1208	1198	1207	1206	115
15°	1153	1147	1128	1127	1119	325
25°	1045	1031	998	986	976	481
35°	900	878	837	811	798	564
45°	737	711	660	624	610	568
55°	559	530	479	437	423	500
65°	379	348	299	262	248	375
75°	202	174	136	116	109	213
85°	50	34	29	28	28	58
90°	0	0	0	0	0	



TEST NUMBER: P888562

CATALOG NUMBER: DPT5-6FO55-85V60-F-XX-UDD_4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1214.0	1214.0	1214.0	1214.0	1214.0
2.5°	1216.7	1214.0	1204.8	1214.0	1212.9
5°	1212.1	1208.5	1198.3	1207.3	1205.5
7.5°	1202.9	1199.2	1187.3	1194.6	1192.9
10°	1189.1	1186.4	1173.5	1176.4	1173.5
12.5°	1173.5	1169.7	1151.4	1153.3	1148.8
15°	1152.6	1147.0	1127.6	1126.7	1118.6
17.5°	1130.5	1122.3	1099.2	1094.7	1088.3
20°	1103.8	1094.7	1065.3	1060.7	1052.6
22.5°	1074.5	1065.3	1034.4	1024.2	1017.5
25°	1045.1	1031.3	997.5	985.6	975.5
27.5°	1012.3	995.6	959.9	944.4	934.4
30°	975.5	958.2	919.6	898.7	890.3
32.5°	939.6	918.7	879.3	855.5	844.6
35°	900.4	878.4	837.1	810.6	797.6
37.5°	862.8	836.1	793.9	762.9	749.8
40°	822.5	794.9	750.9	716.0	705.1
42.5°	780.1	751.7	705.8	673.0	655.5
45°	737.1	710.7	660.0	623.5	609.7
47.5°	692.0	664.8	614.1	576.7	561.1
50°	650.0	619.7	567.5	529.1	515.3
52.5°	604.1	573.1	524.3	482.2	468.4
55°	559.4	529.9	478.7	437.4	422.8
57.5°	513.4	482.2	432.8	392.4	379.6
60°	469.4	437.4	387.8	347.5	333.7
62.5°	422.8	392.4	342.0	305.3	291.5
65°	378.7	347.5	299.0	262.1	248.3
67.5°	334.5	303.6	256.6	221.9	211.1
70°	289.8	258.5	212.6	184.2	173.3
72.5°	245.8	215.5	173.3	147.6	141.3
75°	201.7	174.2	135.7	115.6	109.2
77.5°	156.6	134.7	102.6	87.2	81.6
80°	119.2	97.3	71.6	63.3	61.6
82.5°	82.5	63.3	47.8	44.7	44.0
85°	50.3	33.8	29.4	28.4	27.6
87.5°	21.3	14.6	13.8	13.8	12.8
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)