

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: P888417

Luminaire Tested: **DPT5-6FO36-127V60-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: P888417
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: DPT5-6FO36-127V60-F-XX-UDD_3000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

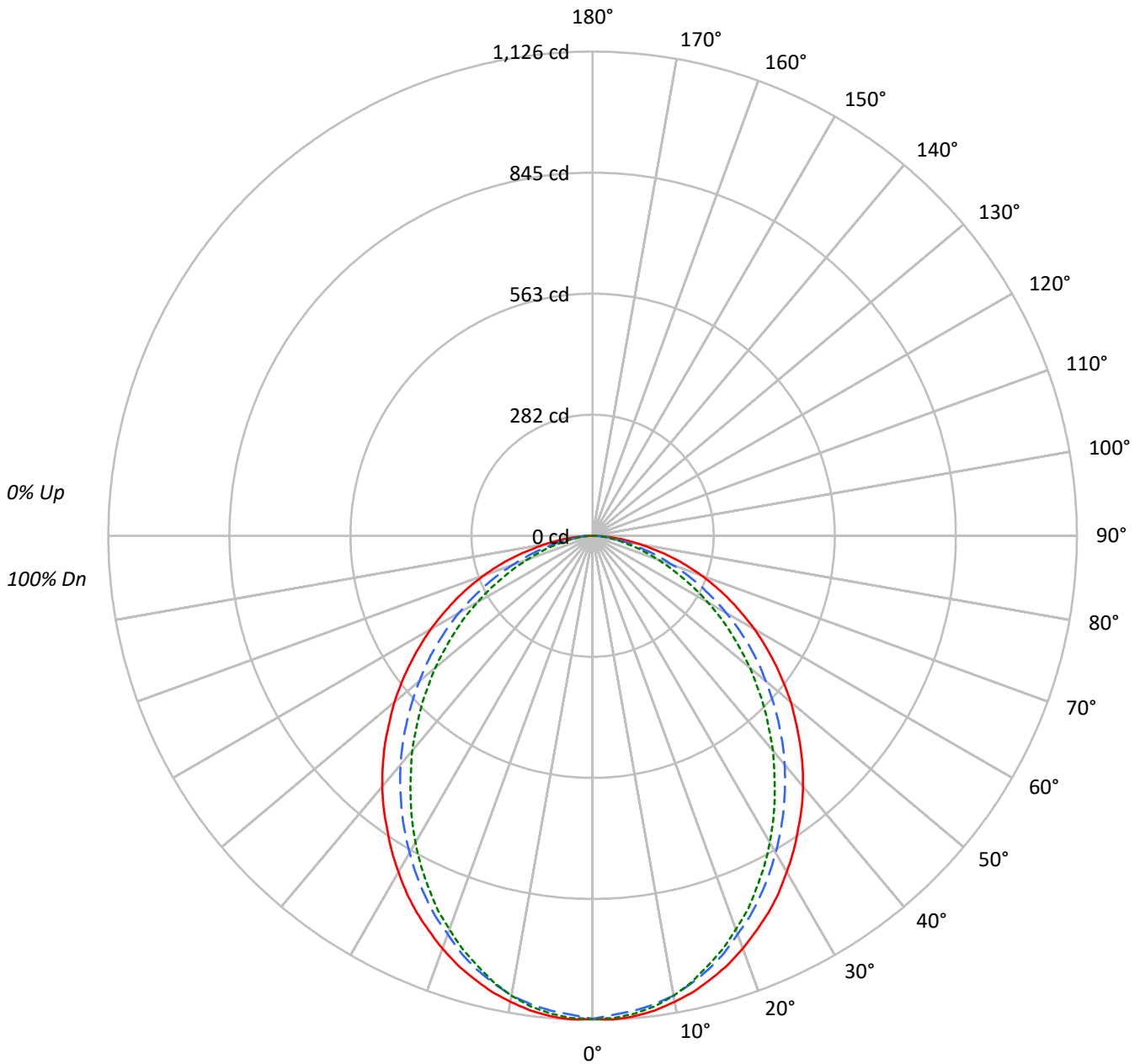
Lumens per Lamp: N/A
Luminaire Lumens: 2654.0 lumens
Efficiency: N/A
Efficacy: 88.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

Input Watts (W): 30
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: P888417

CATALOG NUMBER: DPT5-6FO36-127V60-F-XX-UDD_3000K

Luminous Intensity Polar Plot





TEST NUMBER: P888417

CATALOG NUMBER: DPT5-6FO36-127V60-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°	10684	10684	10684
5°	10709	10587	10650
10°	10627	10487	10487
15°	10502	10273	10192
20°	10338	9977	9858
25°	10148	9686	9473
30°	9913	9346	9048
35°	9674	8993	8570
40°	9449	8626	8101
45°	9174	8215	7588
50°	8900	7771	7056
55°	8582	7345	6487
60°	8263	6825	5874
65°	7888	6227	5171
70°	7458	5470	4460
75°	6860	4615	3711
80°	6041	3631	3122
85°	5085	2968	2783



TEST NUMBER: P888417

CATALOG NUMBER: DPT5-6FO36-127V60-F-XX-UDD_3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.7	4.0
10°-20°	295.4	11.1
20°-30°	428.4	16.1
30°-40°	488.1	18.4
40°-50°	475.7	17.9
50°-60°	400.4	15.1
60°-70°	280.6	10.6
70°-80°	143.8	5.4
80°-90°	35.9	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°	829.6	31.3
0°-40°	1317.7	49.6
0°-60°	2193.7	82.7
0°-90°	2654.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2654.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1123	1123	1123	1123	1123	
5°	1122	1118	1109	1117	1116	106
15°	1067	1061	1043	1043	1035	301
25°	967	954	923	912	903	445
35°	833	813	775	750	738	522
45°	682	658	611	577	564	526
55°	518	490	443	405	391	463
65°	350	322	277	242	230	347
75°	187	161	126	107	101	197
85°	47	31	27	26	26	54
90°	0	0	0	0	0	



TEST NUMBER: P888417

CATALOG NUMBER: DPT5-6FO36-127V60-F-XX-UDD_3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1123.4	1123.4	1123.4	1123.4	1123.4
2.5°	1125.9	1123.4	1114.9	1123.4	1122.4
5°	1121.7	1118.3	1108.9	1117.2	1115.5
7.5°	1113.2	1109.7	1098.7	1105.4	1103.9
10°	1100.4	1097.9	1085.9	1088.6	1085.9
12.5°	1085.9	1082.5	1065.5	1067.2	1063.1
15°	1066.6	1061.4	1043.4	1042.6	1035.1
17.5°	1046.1	1038.6	1017.2	1013.1	1007.1
20°	1021.4	1013.1	985.8	981.6	974.0
22.5°	994.3	985.8	957.2	947.7	941.6
25°	967.1	954.4	923.0	912.0	902.7
27.5°	936.7	921.3	888.3	873.9	864.7
30°	902.7	886.7	851.0	831.6	823.9
32.5°	869.5	850.2	813.7	791.6	781.6
35°	833.2	812.9	774.6	750.1	738.1
37.5°	798.4	773.7	734.7	706.0	693.9
40°	761.1	735.6	694.8	662.6	652.5
42.5°	721.9	695.6	653.1	622.8	606.5
45°	682.1	657.7	610.8	577.0	564.2
47.5°	640.4	615.2	568.3	533.7	519.2
50°	601.5	573.5	525.2	489.6	476.9
52.5°	559.0	530.4	485.2	446.2	433.4
55°	517.6	490.4	443.0	404.8	391.2
57.5°	475.1	446.2	400.5	363.1	351.3
60°	434.4	404.8	358.8	321.5	308.8
62.5°	391.2	363.1	316.5	282.5	269.8
65°	350.5	321.5	276.7	242.5	229.8
67.5°	309.6	280.9	237.5	205.4	195.3
70°	268.2	239.2	196.7	170.4	160.4
72.5°	227.4	199.4	160.4	136.6	130.8
75°	186.7	161.2	125.6	107.0	101.0
77.5°	144.9	124.6	94.9	80.7	75.5
80°	110.3	90.0	66.3	58.5	57.0
82.5°	76.3	58.5	44.2	41.4	40.8
85°	46.6	31.3	27.2	26.3	25.5
87.5°	19.7	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)