

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: P888145

Luminaire Tested: **DPT5-6FO36-127V60-A-XX-UDD_4500K**

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: P888145
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-A-XX-UDD_4500K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

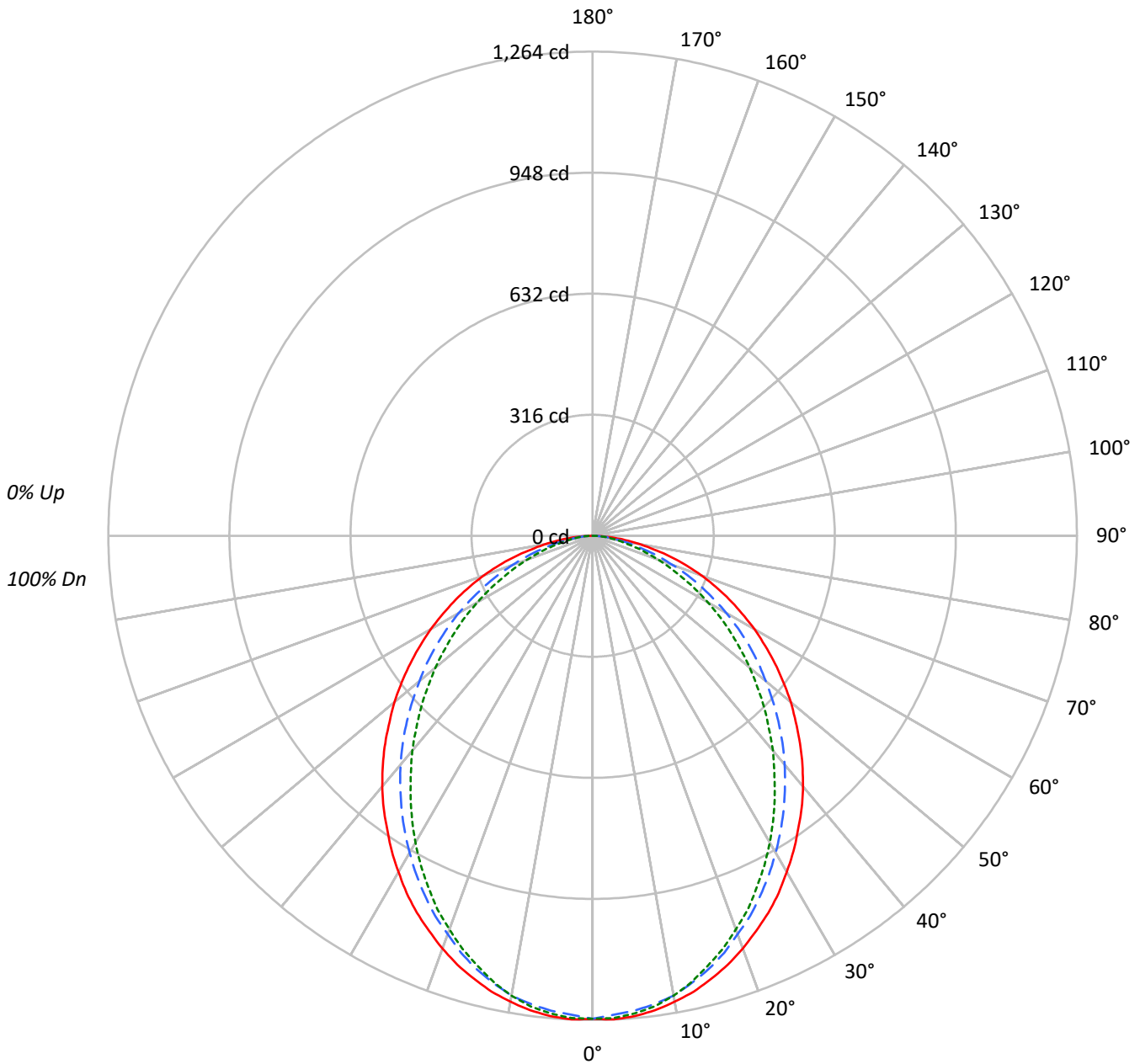
Lumens per Lamp: N/A
Luminaire Lumens: 2979.0 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

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: P888145

CATALOG NUMBER: DPT5-6FO36-127V60-A-XX-UDD_4500K

Luminous Intensity Polar Plot





TEST NUMBER: P888145

CATALOG NUMBER: DPT5-6FO36-127V60-A-XX-UDD_4500K

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°	11993	11993	11993
5°	12020	11883	11954
10°	11929	11771	11771
15°	11788	11532	11439
20°	11604	11200	11065
25°	11391	10873	10633
30°	11128	10490	10156
35°	10858	10095	9619
40°	10606	9683	9093
45°	10297	9221	8518
50°	9990	8722	7920
55°	9634	8246	7282
60°	9275	7662	6593
65°	8853	6990	5804
70°	8370	6140	5005
75°	7698	5181	4167
80°	6780	4075	3500
85°	5707	3339	3121



TEST NUMBER: P888145

CATALOG NUMBER: DPT5-6FO36-127V60-A-XX-UDD_4500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.7	4.0
10°-20°	331.6	11.1
20°-30°	480.9	16.1
30°-40°	547.9	18.4
40°-50°	534.0	17.9
50°-60°	449.4	15.1
60°-70°	314.9	10.6
70°-80°	161.4	5.4
80°-90°	40.3	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°	931.2	31.3
0°-40°	1479.0	49.6
0°-60°	2462.4	82.7
0°-90°	2979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2979.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1261	1261	1261	1261	1261	
5°	1259	1255	1245	1254	1252	119
15°	1197	1191	1171	1170	1162	338
25°	1086	1071	1036	1024	1013	500
35°	935	912	870	842	828	586
45°	766	738	686	648	633	590
55°	581	550	497	454	439	519
65°	393	361	311	272	258	390
75°	210	181	141	120	113	221
85°	52	35	31	30	29	60
90°	0	0	0	0	0	



TEST NUMBER: P888145

CATALOG NUMBER: DPT5-6FO36-127V60-A-XX-UDD_4500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1261.0	1261.0	1261.0	1261.0	1261.0
2.5°	1263.8	1261.0	1251.4	1261.0	1259.9
5°	1259.0	1255.3	1244.7	1254.1	1252.1
7.5°	1249.5	1245.6	1233.2	1240.8	1239.0
10°	1235.2	1232.3	1218.9	1221.9	1218.9
12.5°	1218.9	1215.0	1195.9	1197.9	1193.3
15°	1197.2	1191.3	1171.2	1170.3	1161.8
17.5°	1174.2	1165.7	1141.7	1137.1	1130.4
20°	1146.5	1137.1	1106.6	1101.8	1093.3
22.5°	1116.1	1106.6	1074.4	1063.8	1056.9
25°	1085.5	1071.2	1036.1	1023.7	1013.3
27.5°	1051.4	1034.1	997.0	981.0	970.5
30°	1013.3	995.3	955.2	933.4	924.8
32.5°	976.0	954.3	913.3	888.6	877.3
35°	935.2	912.4	869.5	841.9	828.5
37.5°	896.2	868.4	824.6	792.5	778.9
40°	854.3	825.7	779.9	743.7	732.4
42.5°	810.3	780.8	733.1	699.0	680.8
45°	765.6	738.2	685.6	647.6	633.3
47.5°	718.8	690.5	637.9	599.0	582.8
50°	675.2	643.7	589.5	549.6	535.3
52.5°	627.5	595.3	544.6	500.8	486.5
55°	581.0	550.5	497.3	454.4	439.2
57.5°	533.3	500.8	449.6	407.5	394.3
60°	487.6	454.4	402.8	360.9	346.6
62.5°	439.2	407.5	355.2	317.1	302.8
65°	393.4	360.9	310.6	272.2	257.9
67.5°	347.5	315.3	266.6	230.5	219.2
70°	301.0	268.5	220.8	191.3	180.0
72.5°	255.3	223.8	180.0	153.3	146.8
75°	209.5	180.9	141.0	120.1	113.4
77.5°	162.7	139.9	106.5	90.6	84.8
80°	123.8	101.0	74.4	65.7	63.9
82.5°	85.7	65.7	49.6	46.5	45.8
85°	52.3	35.2	30.6	29.5	28.6
87.5°	22.1	15.2	14.3	14.3	13.2
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)