

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: P888143

Luminaire Tested: **DPT5-6FO36-127V60-A-XX-UDD_3500K**

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: P888143
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_3500K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

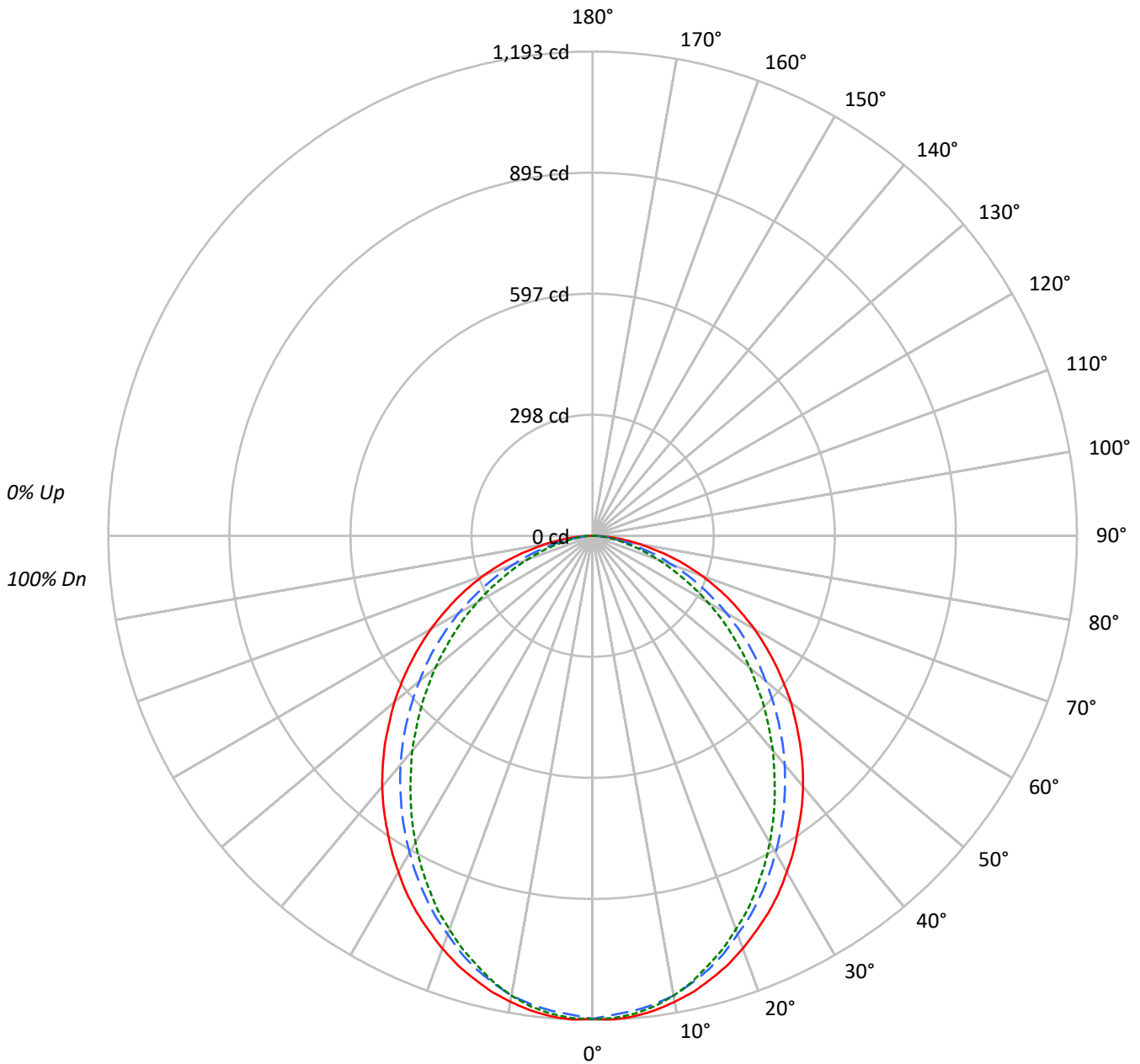
Lumens per Lamp: N/A
Luminaire Lumens: 2812.0 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

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: P888143

CATALOG NUMBER: DPT5-6FO36-127V60-A-XX-UDD_3500K

Luminous Intensity Polar Plot





TEST NUMBER: P888143

CATALOG NUMBER: DPT5-6FO36-127V60-A-XX-UDD_3500K

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°	11320	11320	11320
5°	11346	11217	11283
10°	11259	11112	11112
15°	11127	10886	10798
20°	10953	10571	10445
25°	10753	10263	10037
30°	10504	9901	9586
35°	10250	9529	9080
40°	10012	9140	8583
45°	9720	8705	8040
50°	9429	8232	7476
55°	9093	7783	6873
60°	8754	7232	6224
65°	8358	6596	5480
70°	7900	5795	4724
75°	7268	4891	3935
80°	6403	3845	3308
85°	5391	3143	2946



TEST NUMBER: P888143

CATALOG NUMBER: DPT5-6FO36-127V60-A-XX-UDD_3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.0	4.0
10°-20°	313.0	11.1
20°-30°	453.9	16.1
30°-40°	517.1	18.4
40°-50°	504.0	17.9
50°-60°	424.2	15.1
60°-70°	297.2	10.6
70°-80°	152.4	5.4
80°-90°	38.0	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°	879.0	31.3
0°-40°	1396.1	49.6
0°-60°	2324.3	82.7
0°-90°	2812.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2812.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1190	1190	1190	1190	1190	
5°	1188	1185	1175	1184	1182	113
15°	1130	1125	1106	1105	1097	319
25°	1025	1011	978	966	956	472
35°	883	861	821	795	782	553
45°	723	697	647	611	598	557
55°	548	520	469	429	414	490
65°	371	341	293	257	244	368
75°	198	171	133	113	107	209
85°	49	33	29	28	27	57
90°	0	0	0	0	0	



TEST NUMBER: P888143

CATALOG NUMBER: DPT5-6FO36-127V60-A-XX-UDD_3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1190.3	1190.3	1190.3	1190.3	1190.3
2.5°	1192.9	1190.3	1181.3	1190.3	1189.3
5°	1188.4	1184.9	1174.9	1183.8	1181.9
7.5°	1179.4	1175.8	1164.1	1171.3	1169.6
10°	1165.9	1163.2	1150.6	1153.4	1150.6
12.5°	1150.6	1146.9	1128.9	1130.7	1126.4
15°	1130.1	1124.6	1105.6	1104.7	1096.7
17.5°	1108.4	1100.4	1077.7	1073.4	1067.0
20°	1082.2	1073.4	1044.5	1040.0	1032.0
22.5°	1053.5	1044.5	1014.2	1004.2	997.7
25°	1024.7	1011.2	978.0	966.3	956.5
27.5°	992.5	976.2	941.1	926.0	916.1
30°	956.5	939.5	901.6	881.1	872.9
32.5°	921.3	900.8	862.1	838.8	828.1
35°	882.8	861.3	820.7	794.7	782.1
37.5°	845.9	819.7	778.4	748.0	735.2
40°	806.4	779.4	736.2	702.0	691.3
42.5°	764.9	737.0	692.0	659.8	642.7
45°	722.7	696.8	647.2	611.3	597.8
47.5°	678.5	651.8	602.1	565.4	550.1
50°	637.3	607.6	556.4	518.8	505.3
52.5°	592.3	561.9	514.1	472.7	459.2
55°	548.4	519.6	469.4	428.9	414.5
57.5°	503.4	472.7	424.4	384.7	372.2
60°	460.2	428.9	380.2	340.7	327.2
62.5°	414.5	384.7	335.3	299.3	285.8
65°	371.4	340.7	293.1	257.0	243.5
67.5°	328.0	297.6	251.6	217.6	206.9
70°	284.1	253.5	208.4	180.6	169.9
72.5°	241.0	211.3	169.9	144.7	138.6
75°	197.8	170.8	133.1	113.4	107.1
77.5°	153.6	132.1	100.6	85.5	80.0
80°	116.9	95.4	70.2	62.0	60.4
82.5°	80.9	62.0	46.9	43.9	43.2
85°	49.4	33.2	28.8	27.8	27.0
87.5°	20.8	14.3	13.5	13.5	12.5
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)