

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: P888137

Luminaire Tested: **DPT5-6FO36-127S27-A-XX-UDD**

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: P888137
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: DPT5-6FO36-127S27-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

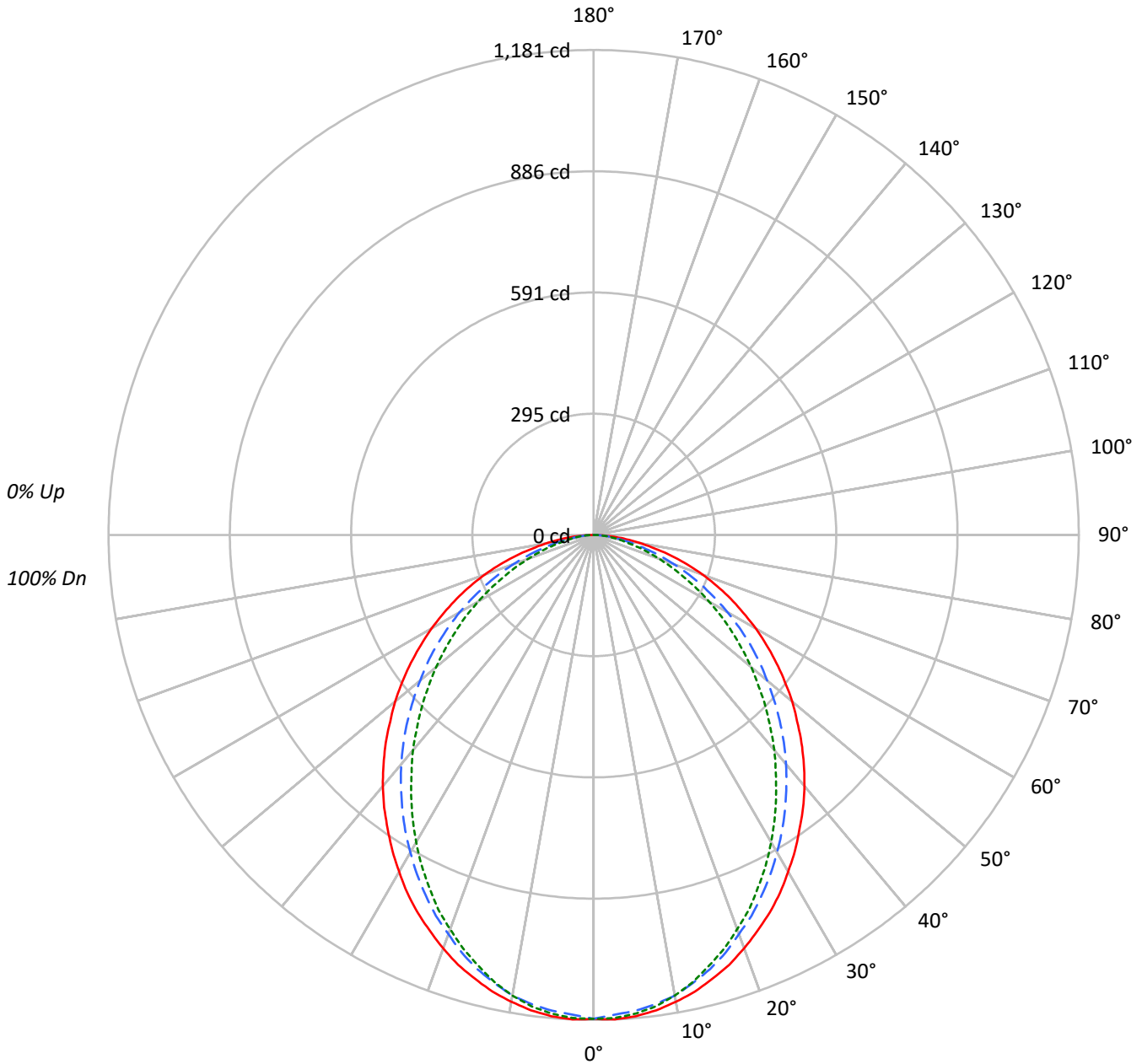
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2784.0 lumens
Efficiency: N/A
Efficacy: 92.8 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

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Luminous Intensity Polar Plot





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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°	11207	11207	11207
5°	11233	11105	11172
10°	11147	11001	11001
15°	11016	10776	10691
20°	10844	10466	10341
25°	10646	10161	9938
30°	10400	9802	9491
35°	10147	9434	8990
40°	9912	9049	8498
45°	9623	8617	7960
50°	9336	8151	7401
55°	9004	7705	6805
60°	8666	7160	6161
65°	8275	6531	5423
70°	7822	5739	4677
75°	7195	4839	3895
80°	6337	3806	3275
85°	5336	3121	2914



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.9	4.0
10°-20°	309.9	11.1
20°-30°	449.4	16.1
30°-40°	512.0	18.4
40°-50°	499.0	17.9
50°-60°	420.0	15.1
60°-70°	294.3	10.6
70°-80°	150.9	5.4
80°-90°	37.6	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°	870.2	31.3
0°-40°	1382.2	49.6
0°-60°	2301.2	82.7
0°-90°	2784.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2784.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1178	1178	1178	1178	1178	
5°	1177	1173	1163	1172	1170	112
15°	1119	1113	1094	1094	1086	315
25°	1014	1001	968	957	947	467
35°	874	853	813	787	774	547
45°	716	690	641	605	592	552
55°	543	514	465	425	410	485
65°	368	337	290	254	241	364
75°	196	169	132	112	106	207
85°	49	33	29	28	27	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1178.4	1178.4	1178.4	1178.4	1178.4
2.5°	1181.1	1178.4	1169.5	1178.4	1177.4
5°	1176.6	1173.1	1163.2	1172.0	1170.2
7.5°	1167.7	1164.0	1152.5	1159.6	1157.9
10°	1154.3	1151.7	1139.1	1141.9	1139.1
12.5°	1139.1	1135.5	1117.7	1119.5	1115.2
15°	1118.8	1113.4	1094.5	1093.7	1085.8
17.5°	1097.4	1089.4	1067.0	1062.7	1056.4
20°	1071.4	1062.7	1034.1	1029.7	1021.7
22.5°	1043.0	1034.1	1004.1	994.2	987.7
25°	1014.5	1001.1	968.3	956.7	947.0
27.5°	982.6	966.4	931.8	916.7	907.0
30°	947.0	930.1	892.6	872.3	864.2
32.5°	912.1	891.8	853.5	830.4	819.8
35°	874.0	852.7	812.6	786.8	774.3
37.5°	837.5	811.6	770.6	740.6	727.9
40°	798.4	771.6	728.9	695.0	684.5
42.5°	757.3	729.7	685.1	653.3	636.3
45°	715.5	689.9	640.7	605.2	591.8
47.5°	671.8	645.3	596.1	559.8	544.6
50°	631.0	601.6	550.9	513.6	500.2
52.5°	586.4	556.4	509.0	468.0	454.7
55°	543.0	514.4	464.7	424.6	410.4
57.5°	498.4	468.0	420.2	380.9	368.5
60°	455.6	424.6	376.4	337.3	323.9
62.5°	410.4	380.9	332.0	296.3	283.0
65°	367.7	337.3	290.2	254.4	241.0
67.5°	324.7	294.7	249.1	215.4	204.9
70°	281.3	250.9	206.4	178.8	168.2
72.5°	238.6	209.2	168.2	143.3	137.2
75°	195.8	169.1	131.7	112.3	106.0
77.5°	152.0	130.8	99.5	84.7	79.2
80°	115.7	94.4	69.5	61.4	59.8
82.5°	80.1	61.4	46.4	43.4	42.8
85°	48.9	32.9	28.6	27.6	26.7
87.5°	20.6	14.2	13.4	13.4	12.4
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)