

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: P888412

Luminaire Tested: **DPT5-6FO36-127S27-F-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: P888412
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-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

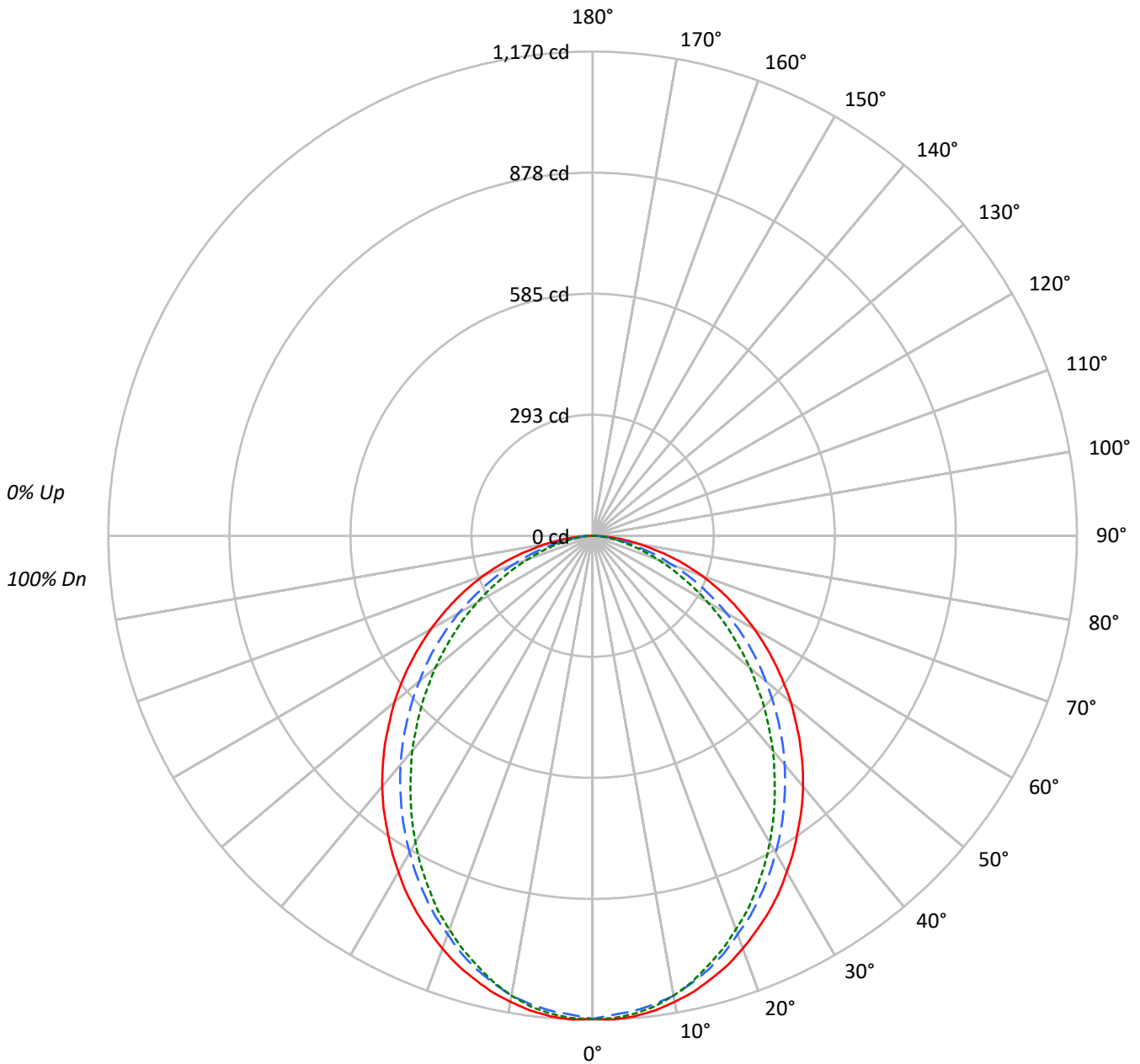
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2758.0 lumens
Efficiency: N/A
Efficacy: 91.9 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: P888412
CATALOG NUMBER: DPT5-6FO36-127S27-F-XX-UDD

Luminous Intensity Polar Plot





TEST NUMBER: P888412

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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°	11103	11103	11103
5°	11128	11002	11067
10°	11043	10898	10898
15°	10913	10676	10591
20°	10742	10369	10244
25°	10546	10066	9844
30°	10302	9711	9403
35°	10052	9346	8905
40°	9819	8965	8419
45°	9533	8537	7886
50°	9249	8076	7333
55°	8919	7634	6742
60°	8586	7093	6104
65°	8196	6470	5374
70°	7750	5684	4635
75°	7129	4795	3858
80°	6277	3774	3242
85°	5281	3088	2892



TEST NUMBER: P888412

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	4.0
10°-20°	307.0	11.1
20°-30°	445.2	16.1
30°-40°	507.2	18.4
40°-50°	494.4	17.9
50°-60°	416.1	15.1
60°-70°	291.5	10.6
70°-80°	149.5	5.4
80°-90°	37.3	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°	862.1	31.3
0°-40°	1369.3	49.6
0°-60°	2279.7	82.7
0°-90°	2758.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2758.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1167	1167	1167	1167	1167	
5°	1166	1162	1152	1161	1159	111
15°	1108	1103	1084	1084	1076	312
25°	1005	992	959	948	938	463
35°	866	845	805	780	767	542
45°	709	684	635	600	586	547
55°	538	510	460	421	407	481
65°	364	334	288	252	239	361
75°	194	168	130	111	105	205
85°	48	32	28	27	26	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1167.4	1167.4	1167.4	1167.4	1167.4
2.5°	1170.0	1167.4	1158.6	1167.4	1166.4
5°	1165.6	1162.2	1152.4	1161.0	1159.2
7.5°	1156.8	1153.2	1141.7	1148.8	1147.1
10°	1143.5	1140.9	1128.5	1131.3	1128.5
12.5°	1128.5	1124.9	1107.2	1109.0	1104.8
15°	1108.4	1103.0	1084.3	1083.5	1075.7
17.5°	1087.1	1079.3	1057.0	1052.8	1046.5
20°	1061.4	1052.8	1024.5	1020.0	1012.2
22.5°	1033.3	1024.5	994.7	984.9	978.5
25°	1005.0	991.8	959.2	947.8	938.1
27.5°	973.4	957.4	923.1	908.2	898.5
30°	938.1	921.4	884.3	864.2	856.2
32.5°	903.6	883.5	845.5	822.6	812.2
35°	865.8	844.7	805.0	779.5	767.0
37.5°	829.7	804.0	763.4	733.7	721.1
40°	790.9	764.4	722.1	688.5	678.1
42.5°	750.2	722.9	678.7	647.2	630.3
45°	708.8	683.5	634.7	599.6	586.3
47.5°	665.5	639.3	590.6	554.6	539.5
50°	625.1	596.0	545.8	508.8	495.6
52.5°	580.9	551.2	504.2	463.7	450.4
55°	537.9	509.6	460.4	420.6	406.6
57.5°	493.8	463.7	416.2	377.3	365.0
60°	451.4	420.6	372.9	334.1	320.9
62.5°	406.6	377.3	328.9	293.6	280.3
65°	364.2	334.1	287.5	252.0	238.8
67.5°	321.7	291.9	246.8	213.4	203.0
70°	278.7	248.6	204.4	177.1	166.7
72.5°	236.3	207.2	166.7	142.0	135.9
75°	194.0	167.5	130.5	111.2	105.0
77.5°	150.6	129.5	98.6	83.9	78.5
80°	114.6	93.5	68.9	60.8	59.2
82.5°	79.3	60.8	46.0	43.0	42.4
85°	48.4	32.5	28.3	27.3	26.5
87.5°	20.4	14.1	13.2	13.2	12.3
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)