

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: P888413

Luminaire Tested: **DPT5-6FO36-127S30-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: P888413
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: DPT5-6FO36-127S30-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

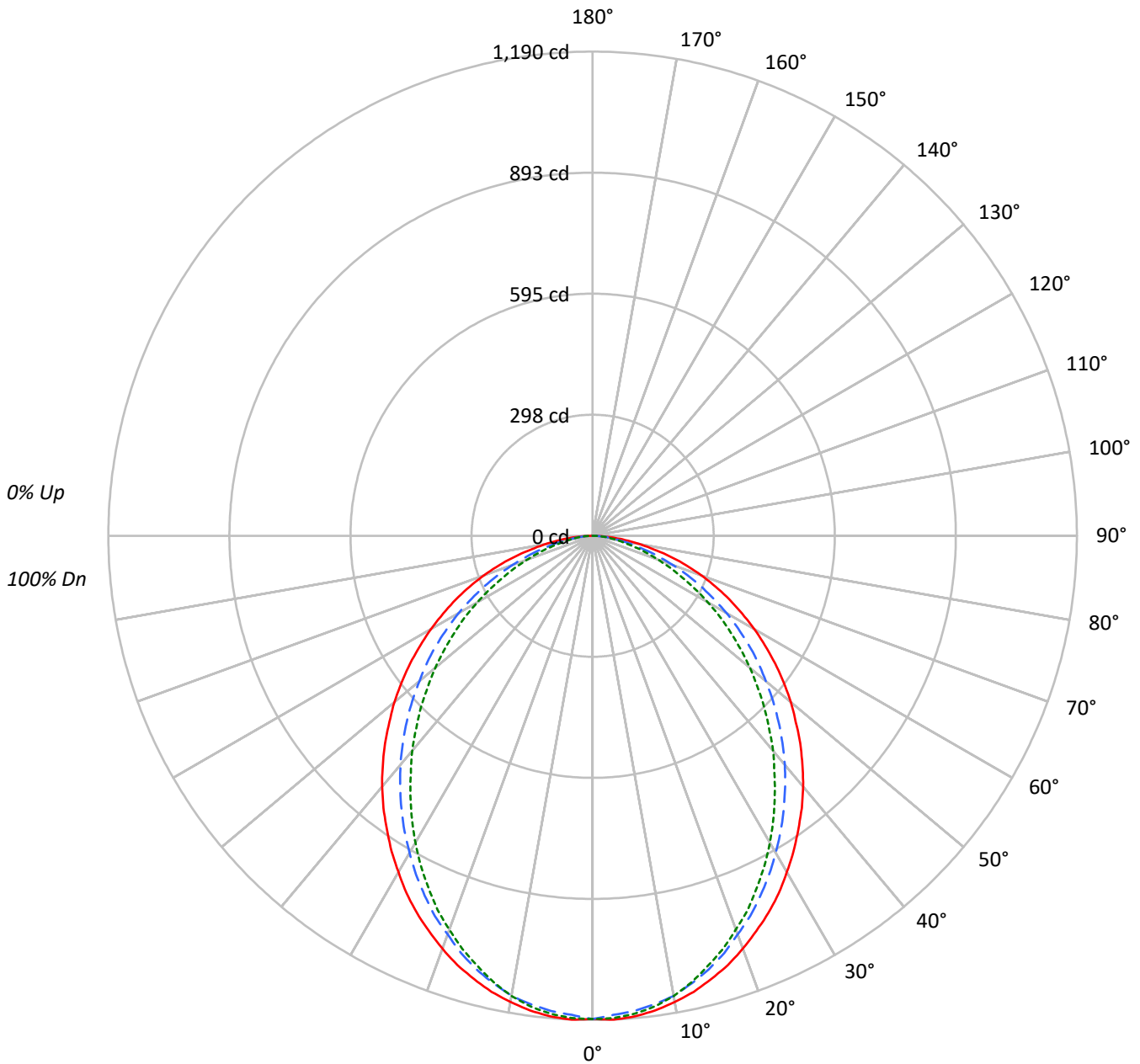
Lumens per Lamp: N/A
Luminaire Lumens: 2806.0 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

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

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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°	11296	11296	11296
5°	11322	11193	11260
10°	11235	11088	11088
15°	11103	10862	10776
20°	10930	10549	10423
25°	10730	10241	10015
30°	10481	9880	9566
35°	10227	9509	9061
40°	9990	9120	8565
45°	9700	8686	8023
50°	9410	8216	7460
55°	9075	7767	6860
60°	8734	7217	6210
65°	8340	6582	5466
70°	7883	5784	4716
75°	7250	4880	3924
80°	6386	3839	3297
85°	5380	3143	2946



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.8	4.0
10°-20°	312.4	11.1
20°-30°	452.9	16.1
30°-40°	516.0	18.4
40°-50°	503.0	17.9
50°-60°	423.3	15.1
60°-70°	296.6	10.6
70°-80°	152.1	5.4
80°-90°	37.9	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°	877.1	31.3
0°-40°	1393.1	49.6
0°-60°	2319.4	82.7
0°-90°	2806.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2806.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1188	1188	1188	1188	1188	
5°	1186	1182	1172	1181	1179	112
15°	1128	1122	1103	1102	1094	318
25°	1022	1009	976	964	954	471
35°	881	859	819	793	780	552
45°	721	695	646	610	596	556
55°	547	518	468	428	414	489
65°	371	340	292	256	243	367
75°	197	170	133	113	107	209
85°	49	33	29	28	27	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1187.7	1187.7	1187.7	1187.7	1187.7
2.5°	1190.4	1187.7	1178.7	1187.7	1186.7
5°	1185.9	1182.4	1172.4	1181.2	1179.4
7.5°	1176.9	1173.2	1161.6	1168.8	1167.1
10°	1163.4	1160.8	1148.1	1150.9	1148.1
12.5°	1148.1	1144.5	1126.5	1128.3	1124.0
15°	1127.7	1122.2	1103.2	1102.4	1094.4
17.5°	1106.0	1098.0	1075.4	1071.1	1064.8
20°	1079.9	1071.1	1042.3	1037.8	1029.8
22.5°	1051.3	1042.3	1012.0	1002.0	995.5
25°	1022.5	1009.0	975.9	964.3	954.4
27.5°	990.4	974.1	939.1	924.0	914.2
30°	954.4	937.5	899.7	879.2	871.1
32.5°	919.3	898.9	860.3	837.0	826.3
35°	880.9	859.4	819.0	793.0	780.4
37.5°	844.1	818.0	776.7	746.4	733.6
40°	804.7	777.7	734.6	700.5	689.9
42.5°	763.3	735.5	690.5	658.4	641.3
45°	721.2	695.4	645.8	610.0	596.5
47.5°	677.1	650.4	600.9	564.2	548.9
50°	636.0	606.3	555.3	517.7	504.2
52.5°	591.0	560.7	513.0	471.7	458.3
55°	547.3	518.5	468.4	428.0	413.7
57.5°	502.3	471.7	423.5	383.9	371.4
60°	459.2	428.0	379.4	339.9	326.5
62.5°	413.7	383.9	334.6	298.7	285.2
65°	370.6	339.9	292.5	256.4	242.9
67.5°	327.3	297.0	251.1	217.1	206.5
70°	283.5	252.9	208.0	180.2	169.6
72.5°	240.4	210.8	169.6	144.4	138.3
75°	197.3	170.4	132.8	113.1	106.8
77.5°	153.2	131.8	100.3	85.4	79.9
80°	116.6	95.2	70.1	61.9	60.2
82.5°	80.7	61.9	46.8	43.8	43.1
85°	49.3	33.1	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)