

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: P888139

Luminaire Tested: **DPT5-6FO36-127S35-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: P888139
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: DPT5-6FO36-127S35-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

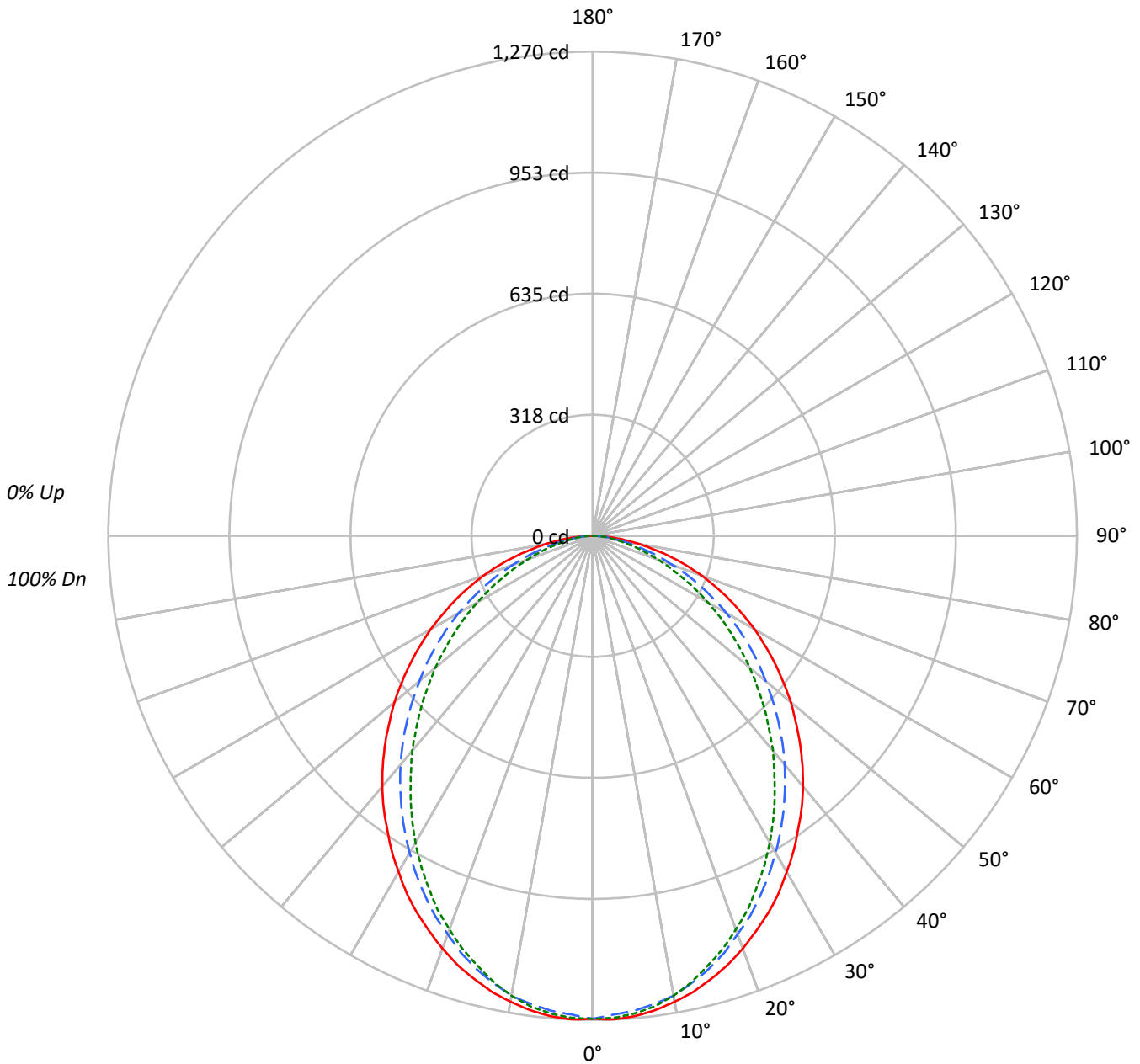
Lumens per Lamp: N/A
Luminaire Lumens: 2993.0 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

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°	12049	12049	12049
5°	12076	11938	12010
10°	11985	11826	11826
15°	11843	11586	11493
20°	11658	11252	11117
25°	11444	10923	10683
30°	11180	10539	10203
35°	10909	10143	9664
40°	10656	9729	9135
45°	10346	9264	8558
50°	10036	8764	7957
55°	9678	8284	7316
60°	9318	7698	6623
65°	8896	7021	5831
70°	8409	6170	5030
75°	7735	5203	4185
80°	6813	4091	3516
85°	5729	3350	3143



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.2	4.0
10°-20°	333.2	11.1
20°-30°	483.1	16.1
30°-40°	550.4	18.4
40°-50°	536.5	17.9
50°-60°	451.5	15.1
60°-70°	316.4	10.6
70°-80°	162.2	5.4
80°-90°	40.5	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°	935.5	31.3
0°-40°	1486.0	49.6
0°-60°	2473.9	82.7
0°-90°	2993.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2993.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1267	1267	1267	1267	1267	
5°	1265	1261	1250	1260	1258	120
15°	1203	1197	1177	1176	1167	339
25°	1091	1076	1041	1028	1018	502
35°	940	917	874	846	832	588
45°	769	742	689	651	636	593
55°	584	553	500	456	441	522
65°	395	363	312	274	259	391
75°	210	182	142	121	114	222
85°	52	35	31	30	29	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1266.9	1266.9	1266.9	1266.9	1266.9
2.5°	1269.7	1266.9	1257.3	1266.9	1265.8
5°	1264.9	1261.2	1250.5	1260.0	1258.0
7.5°	1255.3	1251.4	1239.0	1246.6	1244.9
10°	1241.0	1238.1	1224.6	1227.7	1224.6
12.5°	1224.6	1220.7	1201.6	1203.5	1198.9
15°	1202.8	1196.9	1176.7	1175.8	1167.3
17.5°	1179.7	1171.2	1147.1	1142.5	1135.7
20°	1151.9	1142.5	1111.8	1107.0	1098.4
22.5°	1121.3	1111.8	1079.5	1068.8	1061.9
25°	1090.6	1076.3	1040.9	1028.5	1018.0
27.5°	1056.4	1039.0	1001.7	985.6	975.1
30°	1018.0	999.9	959.7	937.8	929.1
32.5°	980.6	958.8	917.6	892.7	881.4
35°	939.6	916.7	873.6	845.9	832.4
37.5°	900.4	872.5	828.5	796.2	782.5
40°	858.3	829.6	783.6	747.2	735.8
42.5°	814.1	784.5	736.6	702.3	684.0
45°	769.2	741.7	688.8	650.7	636.3
47.5°	722.2	693.8	640.9	601.8	585.5
50°	678.3	646.7	592.3	552.2	537.8
52.5°	630.4	598.1	547.2	503.2	488.8
55°	583.7	553.0	499.6	456.5	441.2
57.5°	535.8	503.2	451.7	409.5	396.1
60°	489.9	456.5	404.7	362.6	348.2
62.5°	441.2	409.5	356.9	318.6	304.2
65°	395.3	362.6	312.0	273.5	259.1
67.5°	349.1	316.8	267.8	231.6	220.3
70°	302.4	269.8	221.9	192.2	180.9
72.5°	256.5	224.9	180.9	154.1	147.5
75°	210.5	181.7	141.6	120.7	113.9
77.5°	163.5	140.6	107.0	91.0	85.2
80°	124.4	101.5	74.7	66.0	64.2
82.5°	86.1	66.0	49.9	46.7	46.0
85°	52.5	35.3	30.7	29.6	28.8
87.5°	22.2	15.3	14.4	14.4	13.3
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)