

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: P888269

Luminaire Tested: **DPT5-6FO55-61S27-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: P888269
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: DPT5-6FO55-61S27-A-XX-UDD
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

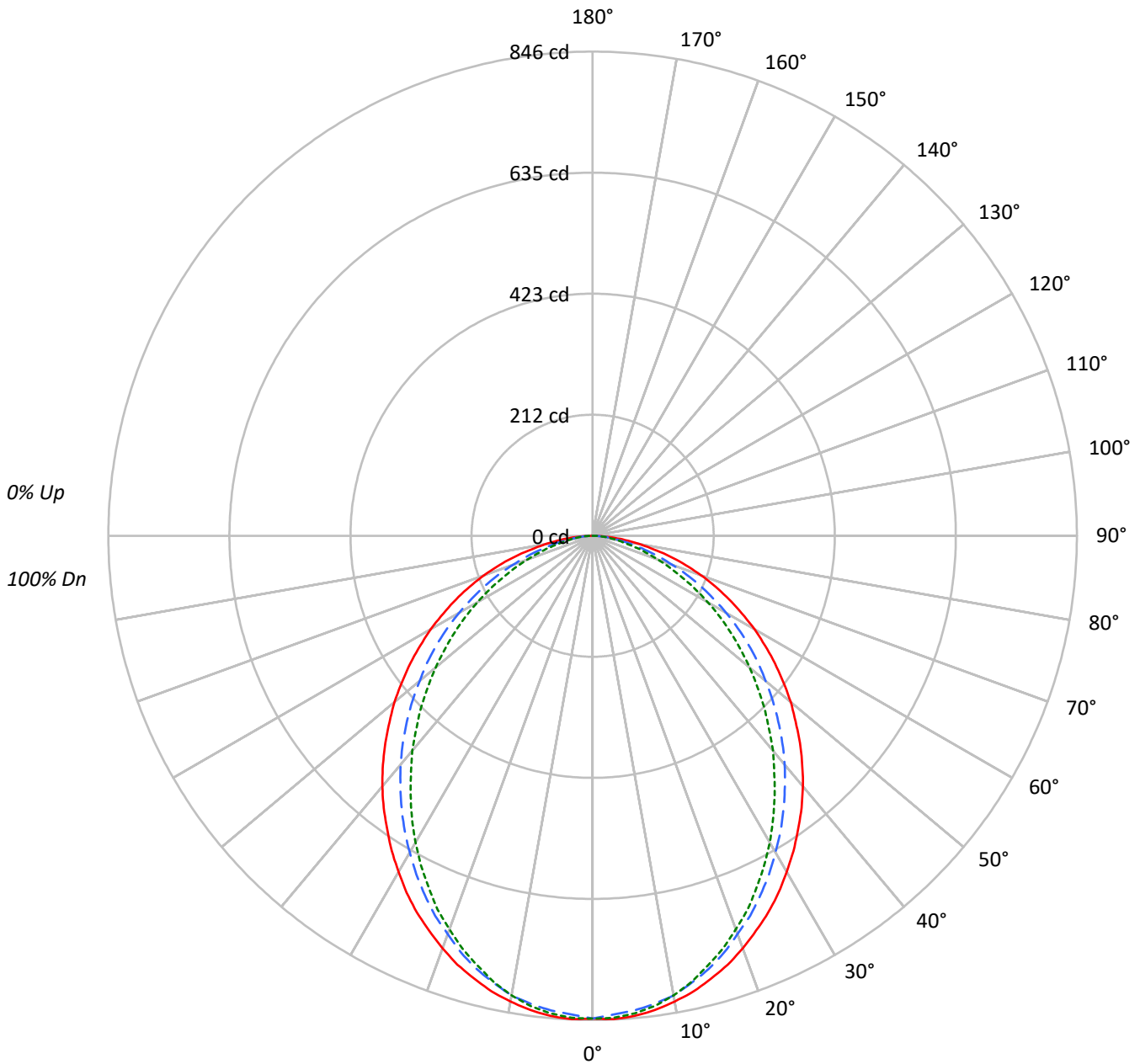
Lumens per Lamp: N/A
Luminaire Lumens: 1993.0 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 21.6
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°	5387	5387	5387
5°	5400	5338	5370
10°	5358	5288	5288
15°	5295	5181	5139
20°	5213	5031	4971
25°	5117	4884	4777
30°	4999	4712	4562
35°	4878	4535	4321
40°	4764	4350	4085
45°	4626	4143	3827
50°	4488	3918	3558
55°	4328	3704	3271
60°	4166	3442	2962
65°	3977	3140	2607
70°	3761	2758	2248
75°	3459	2327	1873
80°	3045	1832	1574
85°	2565	1495	1400



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.4	4.0
10°-20°	221.9	11.1
20°-30°	321.7	16.1
30°-40°	366.5	18.4
40°-50°	357.2	17.9
50°-60°	300.7	15.1
60°-70°	210.7	10.6
70°-80°	108.0	5.4
80°-90°	26.9	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°	623.0	31.3
0°-40°	989.5	49.6
0°-60°	1647.4	82.7
0°-90°	1993.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1993.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	844	844	844	844	844	
5°	842	840	833	839	838	80
15°	801	797	784	783	777	226
25°	726	717	693	685	678	334
35°	626	610	582	563	554	392
45°	512	494	459	433	424	395
55°	389	368	333	304	294	348
65°	263	241	208	182	172	261
75°	140	121	94	80	76	148
85°	35	24	20	20	19	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	843.6	843.6	843.6	843.6	843.6
2.5°	845.5	843.6	837.2	843.6	842.9
5°	842.3	839.8	832.7	839.0	837.7
7.5°	835.9	833.3	825.0	830.1	828.9
10°	826.3	824.5	815.5	817.5	815.5
12.5°	815.5	812.9	800.1	801.4	798.3
15°	800.9	797.0	783.6	783.0	777.3
17.5°	785.6	779.9	763.8	760.7	756.3
20°	767.0	760.7	740.3	737.1	731.4
22.5°	746.7	740.3	718.8	711.7	707.1
25°	726.2	716.7	693.1	684.9	677.9
27.5°	703.4	691.8	667.0	656.3	649.3
30°	677.9	665.8	639.0	624.5	618.7
32.5°	653.0	638.4	611.0	594.5	586.9
35°	625.7	610.4	581.7	563.3	554.3
37.5°	599.5	581.0	551.7	530.2	521.1
40°	571.5	552.4	521.8	497.6	490.0
42.5°	542.1	522.4	490.5	467.7	455.5
45°	512.2	493.9	458.7	433.3	423.7
47.5°	480.9	462.0	426.8	400.8	389.9
50°	451.7	430.7	394.4	367.7	358.1
52.5°	419.8	398.3	364.4	335.1	325.5
55°	388.7	368.3	332.7	304.0	293.8
57.5°	356.8	335.1	300.8	272.7	263.8
60°	326.2	304.0	269.5	241.4	231.9
62.5°	293.8	272.7	237.7	212.1	202.6
65°	263.2	241.4	207.8	182.1	172.5
67.5°	232.5	211.0	178.3	154.2	146.7
70°	201.4	179.6	147.7	128.0	120.4
72.5°	170.8	149.7	120.4	102.6	98.2
75°	140.2	121.0	94.3	80.4	75.9
77.5°	108.8	93.6	71.3	60.6	56.7
80°	82.8	67.6	49.8	44.0	42.8
82.5°	57.3	44.0	33.2	31.1	30.6
85°	35.0	23.5	20.4	19.7	19.1
87.5°	14.8	10.2	9.6	9.6	8.9
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)