

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: P888550

Luminaire Tested: **DPT5-6FO55-61V60-F-XX-UDD_3500K**

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: P888550
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: DPT5-6FO55-61V60-F-XX-UDD_3500K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

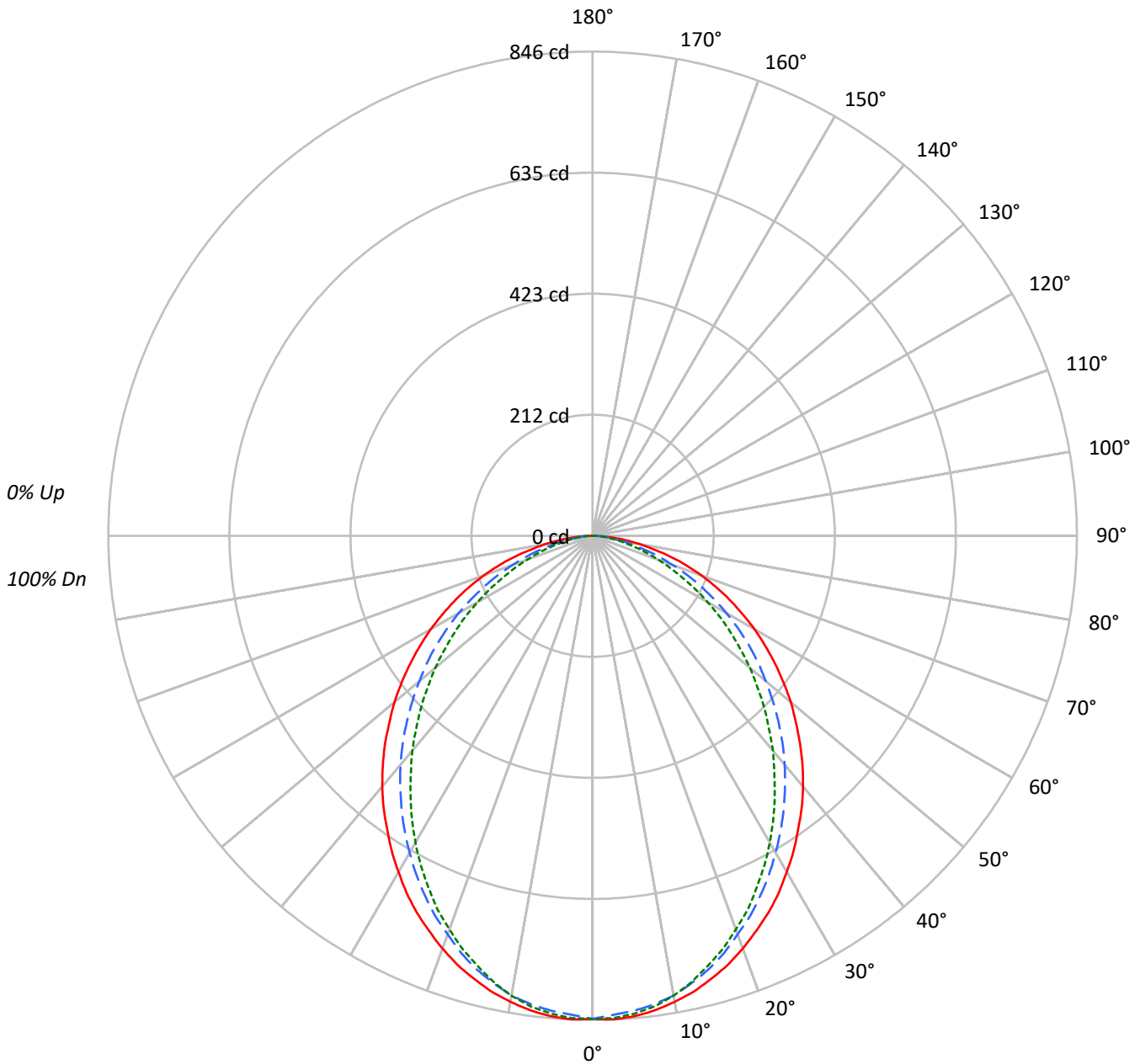
Lumens per Lamp: N/A
Luminaire Lumens: 1994.0 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 4.31' x H: 0')
CIE Type: Direct

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					20					
RC	80					70					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°	5390	5390	5390
5°	5402	5341	5373
10°	5362	5291	5291
15°	5298	5183	5142
20°	5215	5034	4973
25°	5120	4887	4779
30°	5001	4714	4565
35°	4880	4537	4324
40°	4767	4352	4087
45°	4629	4145	3828
50°	4490	3920	3560
55°	4330	3707	3273
60°	4169	3443	2963
65°	3979	3142	2608
70°	3762	2760	2250
75°	3459	2329	1873
80°	3049	1832	1574
85°	2565	1502	1407



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.4	4.0
10°-20°	222.0	11.1
20°-30°	321.9	16.1
30°-40°	366.7	18.4
40°-50°	357.4	17.9
50°-60°	300.8	15.1
60°-70°	210.8	10.6
70°-80°	108.1	5.4
80°-90°	27.0	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°	623.3	31.3
0°-40°	990.0	49.6
0°-60°	1648.2	82.7
0°-90°	1994.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1994.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	844	844	844	844	844	
5°	843	840	833	839	838	80
15°	801	797	784	783	778	226
25°	727	717	694	685	678	334
35°	626	611	582	564	555	392
45°	512	494	459	434	424	395
55°	389	368	333	304	294	348
65°	263	242	208	182	173	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°	844.0	844.0	844.0	844.0	844.0
2.5°	845.9	844.0	837.6	844.0	843.3
5°	842.7	840.2	833.1	839.4	838.1
7.5°	836.3	833.7	825.5	830.5	829.4
10°	826.8	824.9	815.9	817.9	815.9
12.5°	815.9	813.3	800.5	801.8	798.7
15°	801.3	797.4	784.0	783.4	777.7
17.5°	786.0	780.3	764.2	761.1	756.6
20°	767.4	761.1	740.7	737.5	731.8
22.5°	747.1	740.7	719.2	712.1	707.4
25°	726.6	717.0	693.5	685.2	678.2
27.5°	703.8	692.2	667.4	656.6	649.6
30°	678.2	666.2	639.3	624.8	619.0
32.5°	653.3	638.7	611.3	594.8	587.2
35°	626.0	610.7	582.0	563.5	554.6
37.5°	599.8	581.3	552.0	530.4	521.3
40°	571.8	552.7	522.0	497.8	490.2
42.5°	542.4	522.6	490.7	467.9	455.7
45°	512.5	494.1	458.9	433.5	423.9
47.5°	481.1	462.2	427.0	401.0	390.1
50°	451.9	430.9	394.6	367.9	358.3
52.5°	420.0	398.5	364.5	335.2	325.6
55°	388.9	368.4	332.9	304.1	294.0
57.5°	357.0	335.2	300.9	272.8	263.9
60°	326.4	304.1	269.6	241.6	232.0
62.5°	294.0	272.8	237.8	212.2	202.7
65°	263.3	241.6	207.9	182.2	172.6
67.5°	232.6	211.1	178.4	154.3	146.7
70°	201.5	179.7	147.8	128.1	120.5
72.5°	170.9	149.8	120.5	102.6	98.3
75°	140.2	121.1	94.4	80.4	75.9
77.5°	108.9	93.6	71.3	60.7	56.8
80°	82.9	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	20.5	19.7	19.2
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)