

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: P888263

Luminaire Tested: **DPT5-6FO55-37V60-A-XX-UDD_3000K**

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: P888263
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: DPT5-6FO55-37V60-A-XX-UDD_3000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

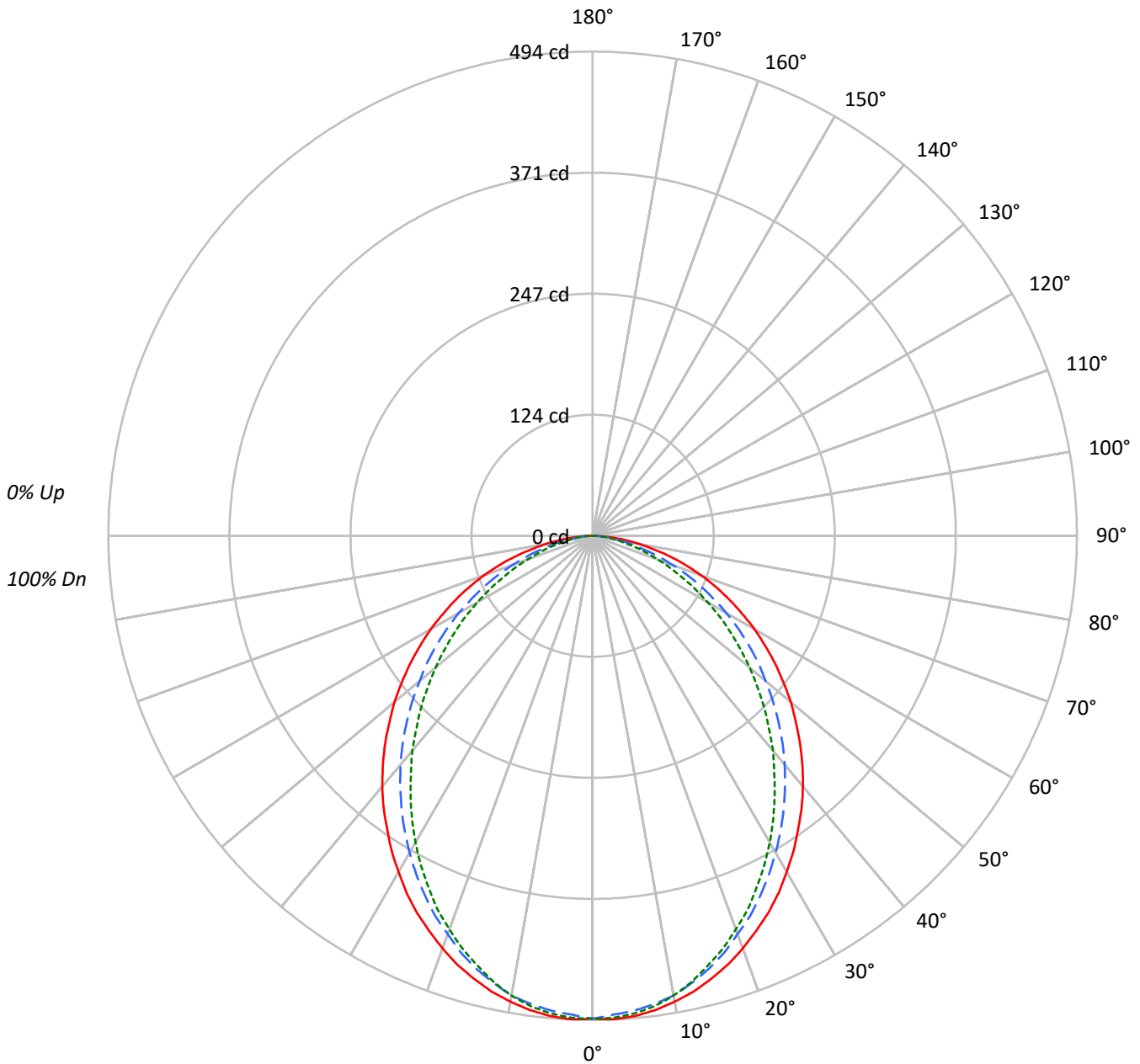
Lumens per Lamp: N/A
Luminaire Lumens: 1164.0 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 4.31' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 13.1
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				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				100
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85				85
2	100	92	86	80	98	90	84	79	87	82	78	84	79	76	81	77	74	72				72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61				61
4	84	73	64	58	82	71	64	57	69	62	57	67	61	56	64	59	55	53				53
5	78	65	57	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46				46
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41				41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36				36
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33				33
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29				29
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3147	3147	3147
5°	3153	3118	3136
10°	3130	3089	3089
15°	3093	3025	3002
20°	3045	2939	2903
25°	2989	2852	2790
30°	2919	2752	2664
35°	2849	2648	2524
40°	2783	2540	2386
45°	2702	2420	2235
50°	2621	2288	2077
55°	2527	2163	1911
60°	2433	2010	1729
65°	2323	1833	1523
70°	2196	1611	1313
75°	2021	1360	1093
80°	1780	1070	919
85°	1495	872	821



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.4	4.0
10°-20°	129.6	11.1
20°-30°	187.9	16.1
30°-40°	214.1	18.4
40°-50°	208.6	17.9
50°-60°	175.6	15.1
60°-70°	123.0	10.6
70°-80°	63.1	5.4
80°-90°	15.7	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°	363.8	31.3
0°-40°	577.9	49.6
0°-60°	962.1	82.7
0°-90°	1164.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1164.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	493	493	493	493	493	
5°	492	490	486	490	489	47
15°	468	466	458	457	454	132
25°	424	419	405	400	396	195
35°	365	356	340	329	324	229
45°	299	288	268	253	248	231
55°	227	215	194	178	172	203
65°	154	141	121	106	101	152
75°	82	71	55	47	44	87
85°	20	14	12	12	11	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	492.7	492.7	492.7	492.7	492.7
2.5°	493.8	492.7	489.0	492.7	492.3
5°	491.9	490.5	486.3	490.0	489.2
7.5°	488.2	486.7	481.9	484.8	484.1
10°	482.6	481.5	476.3	477.4	476.3
12.5°	476.3	474.8	467.3	468.1	466.3
15°	467.8	465.5	457.6	457.3	454.0
17.5°	458.8	455.5	446.1	444.3	441.7
20°	448.0	444.3	432.4	430.5	427.2
22.5°	436.1	432.4	419.8	415.7	413.0
25°	424.2	418.6	404.8	400.0	395.9
27.5°	410.8	404.1	389.6	383.3	379.2
30°	395.9	388.9	373.2	364.7	361.3
32.5°	381.4	372.9	356.9	347.2	342.8
35°	365.4	356.5	339.7	329.0	323.7
37.5°	350.2	339.3	322.2	309.6	304.3
40°	333.8	322.6	304.7	290.6	286.2
42.5°	316.6	305.1	286.5	273.1	266.0
45°	299.2	288.5	267.9	253.0	247.5
47.5°	280.9	269.8	249.2	234.1	227.7
50°	263.8	251.5	230.3	214.7	209.1
52.5°	245.2	232.6	212.8	195.7	190.1
55°	227.0	215.1	194.3	177.5	171.6
57.5°	208.4	195.7	175.7	159.2	154.1
60°	190.5	177.5	157.4	141.0	135.4
62.5°	171.6	159.2	138.8	123.9	118.3
65°	153.7	141.0	121.3	106.4	100.8
67.5°	135.8	123.2	104.2	90.1	85.7
70°	117.6	104.9	86.3	74.8	70.3
72.5°	99.7	87.5	70.3	59.9	57.4
75°	81.9	70.7	55.1	46.9	44.3
77.5°	63.6	54.7	41.6	35.4	33.1
80°	48.4	39.5	29.1	25.7	25.0
82.5°	33.5	25.7	19.4	18.2	17.9
85°	20.4	13.7	11.9	11.5	11.2
87.5°	8.6	5.9	5.6	5.6	5.2
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)