

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: P888158

Luminaire Tested: **DPT5-6FO36-37V60-A-XX-UDD_6500K**

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: P888158
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: DPT5-6FO36-37V60-A-XX-UDD_6500K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

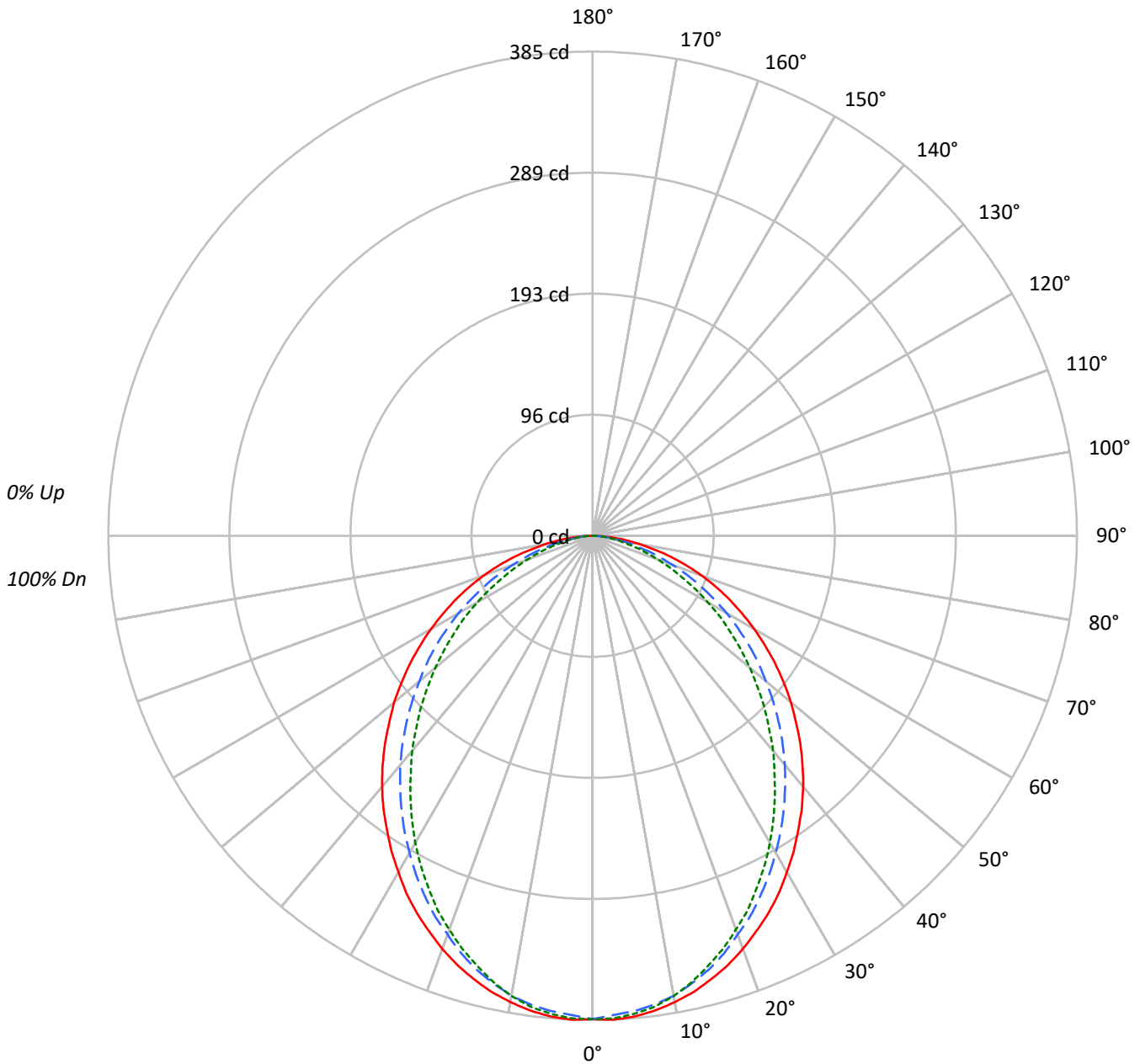
Lumens per Lamp: N/A
Luminaire Lumens: 908.0 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 8.7
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°	3655	3655	3655
5°	3663	3622	3643
10°	3636	3588	3588
15°	3593	3515	3486
20°	3536	3414	3372
25°	3472	3314	3240
30°	3391	3197	3096
35°	3309	3077	2932
40°	3233	2951	2771
45°	3139	2811	2596
50°	3045	2659	2413
55°	2937	2514	2220
60°	2827	2336	2009
65°	2698	2131	1769
70°	2553	1871	1527
75°	2348	1580	1271
80°	2065	1243	1068
85°	1735	1015	949



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.2	4.0
10°-20°	101.1	11.1
20°-30°	146.6	16.1
30°-40°	167.0	18.4
40°-50°	162.8	17.9
50°-60°	137.0	15.1
60°-70°	96.0	10.6
70°-80°	49.2	5.4
80°-90°	12.3	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°	283.8	31.3
0°-40°	450.8	49.6
0°-60°	750.5	82.7
0°-90°	908.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	908.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	384	384	384	384	384	
5°	384	383	379	382	382	36
15°	365	363	357	357	354	103
25°	331	326	316	312	309	152
35°	285	278	265	257	252	178
45°	233	225	209	197	193	180
55°	177	168	152	138	134	158
65°	120	110	95	83	79	119
75°	64	55	43	37	35	68
85°	16	11	9	9	9	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	384.3	384.3	384.3	384.3	384.3
2.5°	385.2	384.3	381.4	384.3	384.0
5°	383.7	382.6	379.4	382.2	381.6
7.5°	380.8	379.7	375.9	378.2	377.7
10°	376.5	375.6	371.5	372.4	371.5
12.5°	371.5	370.3	364.5	365.1	363.7
15°	364.9	363.1	357.0	356.7	354.1
17.5°	357.9	355.3	348.0	346.6	344.5
20°	349.4	346.6	337.3	335.8	333.2
22.5°	340.2	337.3	327.5	324.2	322.1
25°	330.9	326.5	315.8	312.0	308.8
27.5°	320.5	315.2	303.9	299.0	295.8
30°	308.8	303.4	291.1	284.5	281.9
32.5°	297.5	290.9	278.4	270.8	267.4
35°	285.0	278.1	265.0	256.6	252.5
37.5°	273.2	264.7	251.3	241.5	237.4
40°	260.4	251.7	237.7	226.7	223.2
42.5°	247.0	238.0	223.5	213.1	207.5
45°	233.4	225.0	209.0	197.4	193.0
47.5°	219.1	210.5	194.4	182.6	177.6
50°	205.8	196.2	179.7	167.5	163.1
52.5°	191.3	181.5	166.0	152.6	148.3
55°	177.1	167.8	151.6	138.5	133.9
57.5°	162.6	152.6	137.0	124.2	120.2
60°	148.6	138.5	122.8	110.0	105.6
62.5°	133.9	124.2	108.3	96.6	92.3
65°	119.9	110.0	94.7	83.0	78.6
67.5°	105.9	96.1	81.3	70.3	66.8
70°	91.8	81.8	67.3	58.3	54.9
72.5°	77.8	68.2	54.9	46.7	44.7
75°	63.9	55.1	43.0	36.6	34.6
77.5°	49.6	42.6	32.5	27.6	25.8
80°	37.7	30.8	22.7	20.0	19.5
82.5°	26.1	20.0	15.1	14.2	13.9
85°	15.9	10.7	9.3	9.0	8.7
87.5°	6.7	4.6	4.4	4.4	4.0
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)