

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: P888483

Luminaire Tested: **DPT5-6FO44-37V60-F-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: P888483
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: DPT5-6FO44-37V60-F-XX-UDD_3000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

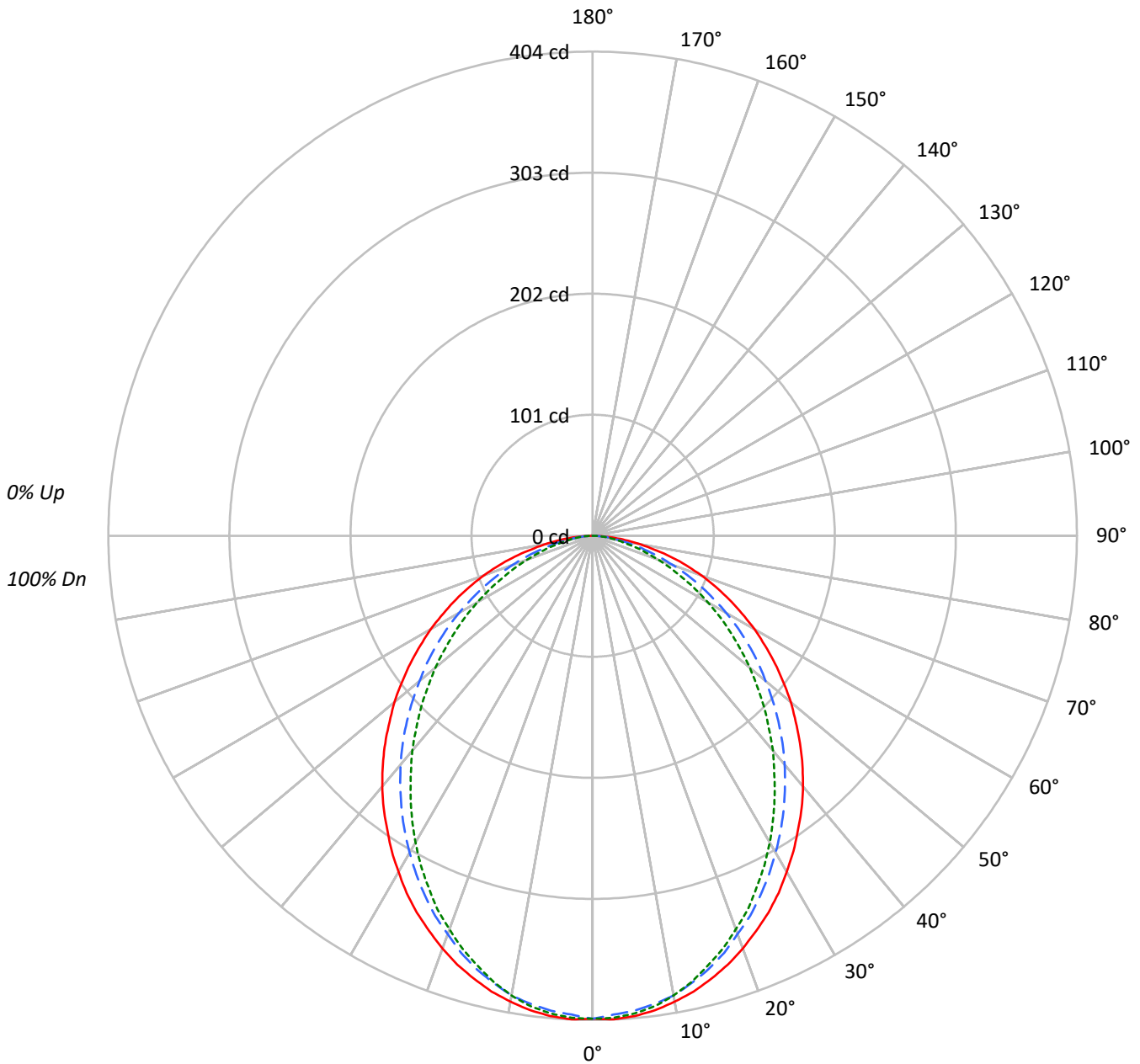
Lumens per Lamp: N/A
Luminaire Lumens: 952.0 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 3.56' x H: 0')
CIE Type: Direct

Input Watts (W): 10.8
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°	3116	3116	3116
5°	3122	3087	3105
10°	3098	3058	3058
15°	3062	2996	2972
20°	3014	2909	2874
25°	2959	2824	2762
30°	2890	2724	2638
35°	2821	2623	2499
40°	2755	2515	2362
45°	2675	2395	2213
50°	2595	2266	2058
55°	2503	2142	1891
60°	2409	1990	1713
65°	2299	1815	1507
70°	2174	1596	1300
75°	2001	1344	1081
80°	1763	1060	908
85°	1481	869	807



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.9	4.0
10°-20°	106.0	11.1
20°-30°	153.7	16.1
30°-40°	175.1	18.4
40°-50°	170.6	17.9
50°-60°	143.6	15.1
60°-70°	100.6	10.6
70°-80°	51.6	5.4
80°-90°	12.9	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°	297.6	31.3
0°-40°	472.7	49.6
0°-60°	786.9	82.7
0°-90°	952.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	952.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	403	403	403	403	403	
5°	402	401	398	401	400	38
15°	383	381	374	374	371	108
25°	347	342	331	327	324	160
35°	299	292	278	269	265	187
45°	245	236	219	207	202	189
55°	186	176	159	145	140	166
65°	126	115	99	87	82	124
75°	67	58	45	38	36	71
85°	17	11	10	9	9	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	403.0	403.0	403.0	403.0	403.0
2.5°	403.9	403.0	399.9	403.0	402.6
5°	402.3	401.2	397.8	400.8	400.1
7.5°	399.3	398.1	394.1	396.5	396.0
10°	394.7	393.8	389.5	390.5	389.5
12.5°	389.5	388.3	382.2	382.8	381.3
15°	382.6	380.7	374.3	374.0	371.3
17.5°	375.2	372.5	364.9	363.4	361.2
20°	366.4	363.4	353.6	352.1	349.4
22.5°	356.7	353.6	343.3	340.0	337.8
25°	346.9	342.3	331.1	327.1	323.8
27.5°	336.0	330.5	318.6	313.5	310.2
30°	323.8	318.1	305.2	298.3	295.5
32.5°	311.9	305.0	291.9	284.0	280.3
35°	298.9	291.6	277.9	269.1	264.8
37.5°	286.4	277.5	263.5	253.2	248.9
40°	273.0	263.9	249.2	237.7	234.1
42.5°	259.0	249.5	234.3	223.4	217.6
45°	244.7	235.9	219.1	207.0	202.4
47.5°	229.7	220.7	203.9	191.4	186.2
50°	215.8	205.7	188.4	175.6	171.1
52.5°	200.5	190.2	174.0	160.0	155.5
55°	185.7	175.9	158.9	145.2	140.3
57.5°	170.4	160.0	143.7	130.2	126.0
60°	155.8	145.2	128.7	115.3	110.8
62.5°	140.3	130.2	113.5	101.3	96.8
65°	125.7	115.3	99.2	87.0	82.4
67.5°	111.0	100.8	85.2	73.7	70.1
70°	96.2	85.8	70.6	61.1	57.5
72.5°	81.6	71.5	57.5	49.0	46.9
75°	67.0	57.8	45.0	38.4	36.2
77.5°	52.0	44.7	34.0	29.0	27.1
80°	39.6	32.3	23.8	21.0	20.4
82.5°	27.4	21.0	15.9	14.8	14.6
85°	16.7	11.2	9.8	9.4	9.1
87.5°	7.1	4.9	4.6	4.6	4.2
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)