

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: P888433

Luminaire Tested: **DPT5-6FO36-37V60-F-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: P888433
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-F-XX-UDD_6500K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

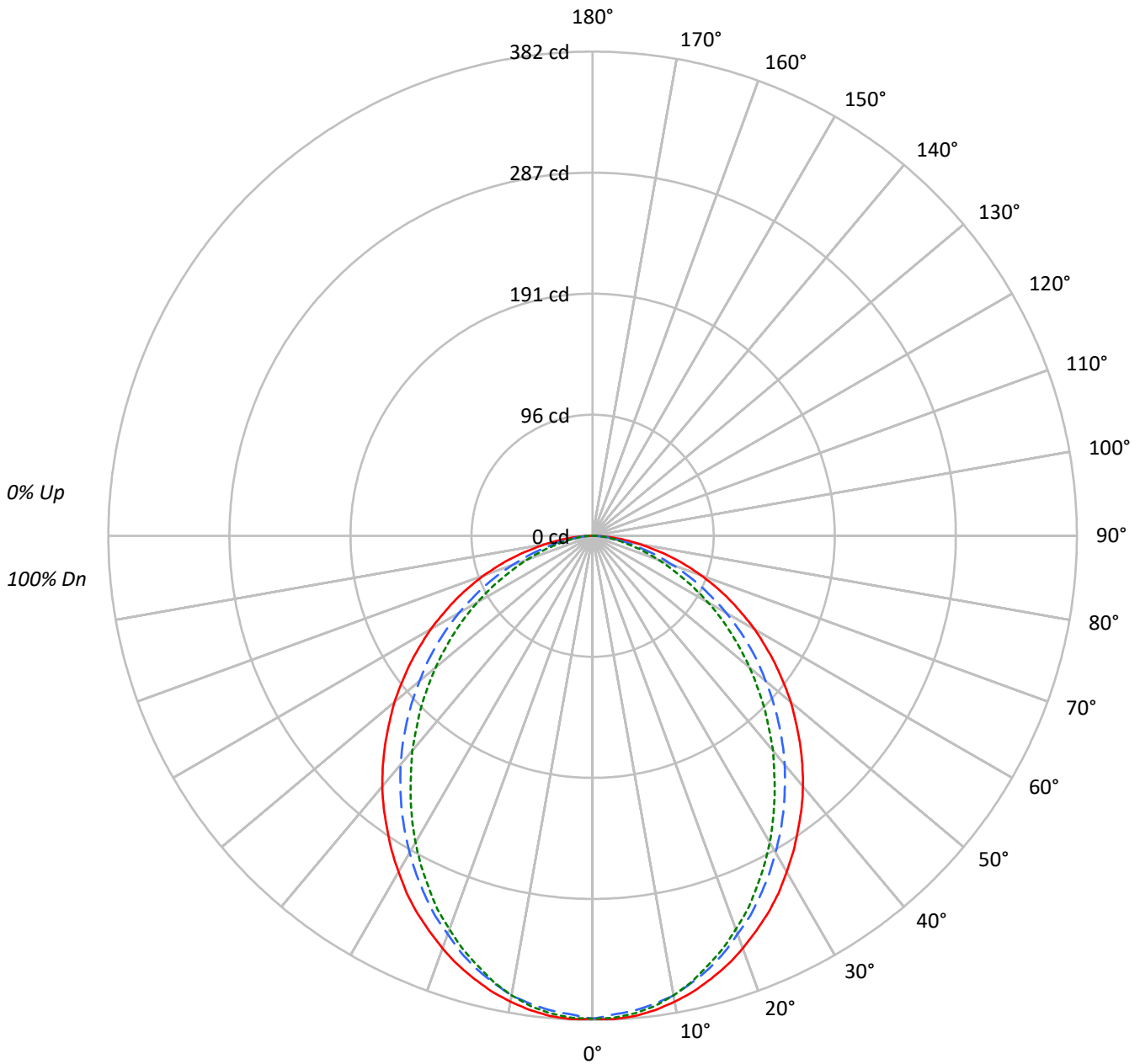
Lumens per Lamp: N/A
Luminaire Lumens: 900.0 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

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°	3624	3624	3624
5°	3632	3590	3612
10°	3604	3556	3556
15°	3561	3484	3456
20°	3506	3383	3343
25°	3442	3285	3212
30°	3362	3169	3068
35°	3280	3050	2906
40°	3204	2925	2747
45°	3111	2785	2573
50°	3018	2635	2392
55°	2910	2490	2200
60°	2802	2315	1992
65°	2676	2111	1753
70°	2528	1855	1513
75°	2326	1565	1260
80°	2048	1232	1057
85°	1724	1004	938



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.9	4.0
10°-20°	100.2	11.1
20°-30°	145.3	16.1
30°-40°	165.5	18.4
40°-50°	161.3	17.9
50°-60°	135.8	15.1
60°-70°	95.1	10.6
70°-80°	48.8	5.4
80°-90°	12.2	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°	281.3	31.3
0°-40°	446.8	49.6
0°-60°	743.9	82.7
0°-90°	900.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	900.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	381	381	381	381	381	
5°	380	379	376	379	378	36
15°	362	360	354	354	351	102
25°	328	324	313	309	306	151
35°	282	276	263	254	250	177
45°	231	223	207	196	191	178
55°	176	166	150	137	133	157
65°	119	109	94	82	78	118
75°	63	55	43	36	34	67
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°	381.0	381.0	381.0	381.0	381.0
2.5°	381.8	381.0	378.1	381.0	380.6
5°	380.4	379.2	376.0	378.9	378.3
7.5°	377.5	376.3	372.6	374.9	374.3
10°	373.2	372.3	368.2	369.2	368.2
12.5°	368.2	367.1	361.3	361.9	360.5
15°	361.7	359.9	353.8	353.6	351.0
17.5°	354.7	352.2	344.9	343.5	341.5
20°	346.4	343.5	334.3	332.9	330.3
22.5°	337.2	334.3	324.6	321.4	319.3
25°	328.0	323.6	313.0	309.3	306.1
27.5°	317.7	312.4	301.2	296.4	293.2
30°	306.1	300.7	288.6	282.0	279.4
32.5°	294.9	288.3	275.9	268.4	265.0
35°	282.5	275.7	262.7	254.4	250.3
37.5°	270.7	262.4	249.1	239.4	235.3
40°	258.1	249.4	235.6	224.7	221.3
42.5°	244.8	235.9	221.5	211.2	205.7
45°	231.3	223.0	207.1	195.7	191.3
47.5°	217.2	208.6	192.7	181.0	176.1
50°	204.0	194.5	178.1	166.0	161.7
52.5°	189.6	179.9	164.5	151.3	147.0
55°	175.5	166.3	150.2	137.3	132.7
57.5°	161.1	151.3	135.8	123.1	119.1
60°	147.3	137.3	121.7	109.0	104.7
62.5°	132.7	123.1	107.3	95.8	91.5
65°	118.9	109.0	93.8	82.2	77.9
67.5°	105.0	95.3	80.5	69.6	66.2
70°	90.9	81.1	66.7	57.8	54.4
72.5°	77.1	67.6	54.4	46.3	44.4
75°	63.3	54.7	42.6	36.3	34.3
77.5°	49.2	42.3	32.2	27.4	25.6
80°	37.4	30.5	22.5	19.9	19.3
82.5°	25.9	19.9	15.0	14.0	13.8
85°	15.8	10.6	9.2	8.9	8.6
87.5°	6.7	4.6	4.3	4.3	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)