

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: P888486

Luminaire Tested: **DPT5-6FO44-37V60-F-XX-UDD_4500K**

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: P888486
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_4500K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

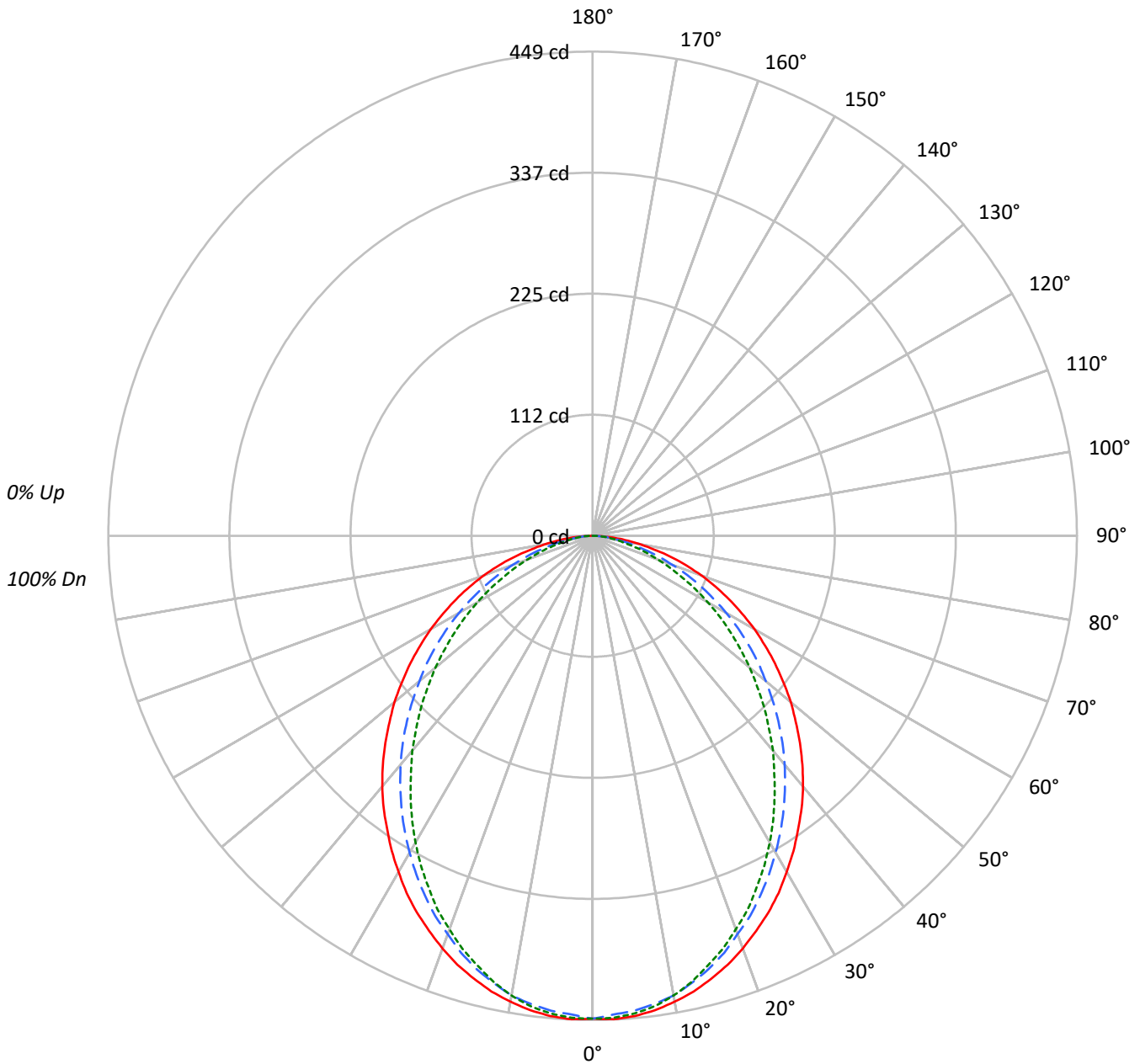
Lumens per Lamp: N/A
Luminaire Lumens: 1058.0 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 3.56' x H: 0')
CIE Type: Direct

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°	3462	3462	3462
5°	3470	3431	3451
10°	3444	3398	3398
15°	3403	3329	3302
20°	3350	3233	3195
25°	3288	3139	3070
30°	3213	3028	2932
35°	3134	2914	2777
40°	3062	2795	2625
45°	2973	2662	2459
50°	2884	2518	2286
55°	2781	2380	2103
60°	2678	2211	1903
65°	2555	2018	1676
70°	2416	1772	1444
75°	2222	1496	1204
80°	1959	1175	1011
85°	1650	967	905



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.1	4.0
10°-20°	117.8	11.1
20°-30°	170.8	16.1
30°-40°	194.6	18.4
40°-50°	189.6	17.9
50°-60°	159.6	15.1
60°-70°	111.8	10.6
70°-80°	57.3	5.4
80°-90°	14.3	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°	330.7	31.3
0°-40°	525.3	49.6
0°-60°	874.5	82.7
0°-90°	1058.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1058.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	448	448	448	448	448	
5°	447	446	442	445	445	42
15°	425	423	416	416	413	120
25°	386	380	368	364	360	177
35°	332	324	309	299	294	208
45°	272	262	244	230	225	210
55°	206	196	177	161	156	184
65°	140	128	110	97	92	138
75°	74	64	50	43	40	79
85°	19	12	11	10	10	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	447.8	447.8	447.8	447.8	447.8
2.5°	448.8	447.8	444.4	447.8	447.5
5°	447.1	445.8	442.1	445.4	444.7
7.5°	443.8	442.4	438.0	440.7	440.1
10°	438.7	437.7	432.9	434.0	432.9
12.5°	432.9	431.5	424.7	425.4	423.8
15°	425.2	423.1	416.0	415.6	412.6
17.5°	417.0	414.0	405.5	403.9	401.5
20°	407.2	403.9	393.0	391.3	388.3
22.5°	396.4	393.0	381.6	377.8	375.4
25°	385.5	380.4	368.0	363.6	359.9
27.5°	373.4	367.3	354.1	348.4	344.7
30°	359.9	353.5	339.2	331.5	328.4
32.5°	346.6	338.9	324.4	315.6	311.6
35°	332.1	324.0	308.8	299.0	294.2
37.5°	318.3	308.4	292.9	281.4	276.6
40°	303.4	293.2	277.0	264.1	260.1
42.5°	287.8	277.3	260.4	248.3	241.8
45°	271.9	262.2	243.5	230.0	224.9
47.5°	255.3	245.2	226.6	212.7	207.0
50°	239.8	228.6	209.4	195.2	190.1
52.5°	222.8	211.4	193.4	177.9	172.8
55°	206.3	195.5	176.6	161.4	156.0
57.5°	189.4	177.9	159.7	144.7	140.0
60°	173.2	161.4	143.0	128.2	123.1
62.5°	156.0	144.7	126.2	112.6	107.5
65°	139.7	128.2	110.3	96.7	91.6
67.5°	123.4	112.0	94.7	81.9	77.9
70°	106.9	95.4	78.4	67.9	63.9
72.5°	90.7	79.5	63.9	54.5	52.1
75°	74.4	64.2	50.1	42.7	40.3
77.5°	57.8	49.7	37.8	32.2	30.1
80°	44.0	35.9	26.4	23.3	22.7
82.5°	30.4	23.3	17.6	16.5	16.2
85°	18.6	12.5	10.9	10.5	10.2
87.5°	7.8	5.4	5.1	5.1	4.7
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)