

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: P888480

Luminaire Tested: **DPT5-6FO44-37S35-F-XX-UDD**

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: P888480
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: DPT5-6FO44-37S35-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

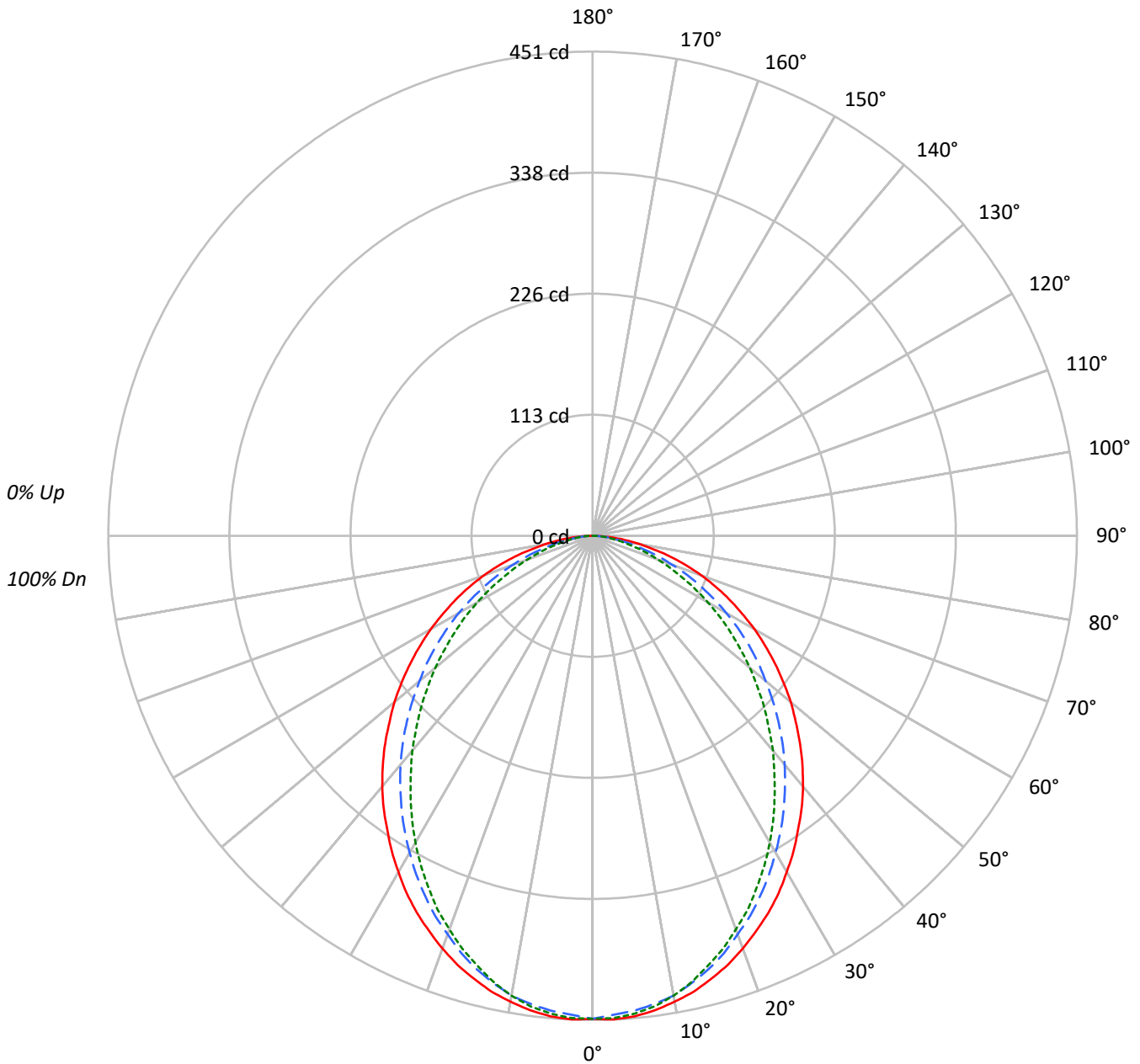
Lumens per Lamp: N/A
Luminaire Lumens: 1063.0 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 3.56' x H: 0')
CIE Type: Direct

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				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°	3478	3478	3478
5°	3487	3446	3467
10°	3460	3414	3414
15°	3419	3345	3318
20°	3366	3249	3209
25°	3305	3154	3084
30°	3228	3042	2946
35°	3149	2928	2790
40°	3076	2809	2637
45°	2987	2674	2471
50°	2897	2529	2297
55°	2794	2391	2112
60°	2690	2222	1913
65°	2568	2027	1683
70°	2428	1781	1451
75°	2234	1502	1210
80°	1968	1180	1015
85°	1659	967	905



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	4.0
10°-20°	118.3	11.1
20°-30°	171.6	16.1
30°-40°	195.5	18.4
40°-50°	190.5	17.9
50°-60°	160.3	15.1
60°-70°	112.4	10.6
70°-80°	57.6	5.4
80°-90°	14.4	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°	332.3	31.3
0°-40°	527.8	49.6
0°-60°	878.6	82.7
0°-90°	1063.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1063.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	450	450	450	450	450	
5°	449	448	444	448	447	43
15°	427	425	418	418	415	120
25°	387	382	370	365	362	178
35°	334	326	310	300	296	209
45°	273	263	245	231	226	211
55°	207	196	177	162	157	185
65°	140	129	111	97	92	139
75°	75	64	50	43	40	79
85°	19	12	11	10	10	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	449.9	449.9	449.9	449.9	449.9
2.5°	451.0	449.9	446.5	449.9	449.6
5°	449.3	447.9	444.1	447.5	446.8
7.5°	445.8	444.5	440.0	442.8	442.1
10°	440.7	439.7	434.9	436.0	434.9
12.5°	434.9	433.6	426.7	427.4	425.8
15°	427.2	425.1	417.9	417.6	414.6
17.5°	419.0	416.0	407.4	405.8	403.4
20°	409.1	405.8	394.9	393.2	390.1
22.5°	398.3	394.9	383.4	379.6	377.1
25°	387.4	382.2	369.7	365.3	361.6
27.5°	375.2	369.0	355.8	350.0	346.3
30°	361.6	355.1	340.8	333.1	330.0
32.5°	348.3	340.5	325.9	317.1	313.0
35°	333.7	325.6	310.3	300.4	295.6
37.5°	319.8	309.9	294.2	282.8	277.9
40°	304.8	294.6	278.3	265.4	261.3
42.5°	289.1	278.6	261.6	249.4	242.9
45°	273.2	263.4	244.6	231.1	226.0
47.5°	256.5	246.4	227.6	213.8	208.0
50°	240.9	229.7	210.3	196.1	191.0
52.5°	223.9	212.4	194.3	178.7	173.6
55°	207.3	196.4	177.4	162.1	156.7
57.5°	190.3	178.7	160.4	145.4	140.7
60°	174.0	162.1	143.7	128.8	123.7
62.5°	156.7	145.4	126.8	113.1	108.0
65°	140.4	128.8	110.8	97.1	92.0
67.5°	124.0	112.5	95.1	82.3	78.2
70°	107.4	95.8	78.8	68.3	64.2
72.5°	91.1	79.9	64.2	54.7	52.4
75°	74.8	64.5	50.3	42.9	40.5
77.5°	58.1	49.9	38.0	32.3	30.3
80°	44.2	36.1	26.5	23.4	22.8
82.5°	30.6	23.4	17.7	16.6	16.3
85°	18.7	12.5	10.9	10.5	10.2
87.5°	7.9	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)