

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: P888485

Luminaire Tested: **DPT5-6FO44-37V60-F-XX-UDD_4000K**

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: P888485
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_4000K
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

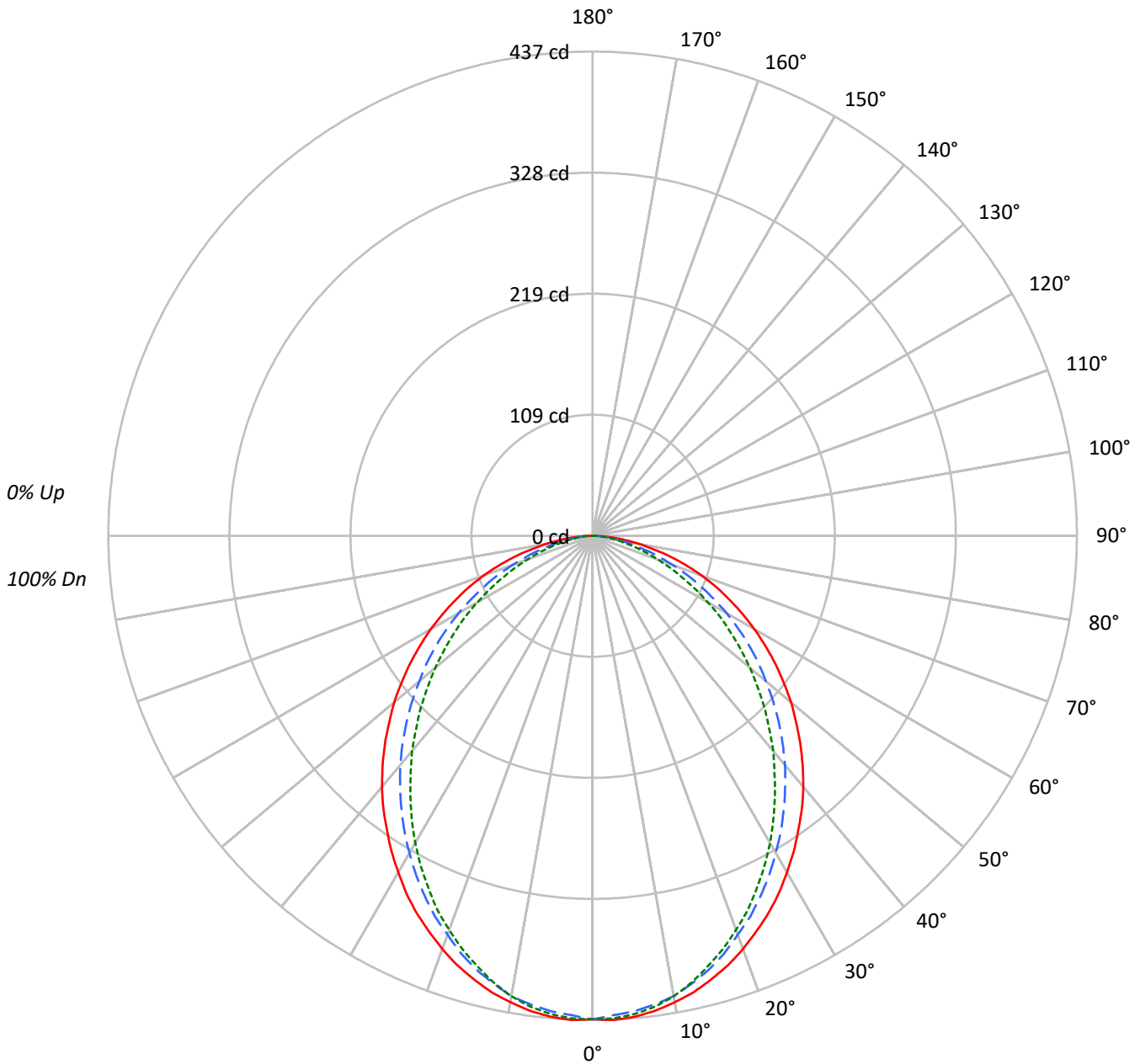
Lumens per Lamp: N/A
Luminaire Lumens: 1031.0 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 3.56' x H: 0')
CIE Type: Direct

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				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°	3374	3374	3374
5°	3381	3343	3363
10°	3356	3312	3312
15°	3316	3244	3218
20°	3264	3151	3113
25°	3205	3059	2991
30°	3131	2951	2857
35°	3055	2840	2706
40°	2984	2724	2558
45°	2897	2594	2397
50°	2811	2454	2227
55°	2710	2320	2049
60°	2608	2155	1855
65°	2491	1966	1634
70°	2355	1727	1408
75°	2166	1458	1174
80°	1910	1144	984
85°	1605	940	878



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.1	4.0
10°-20°	114.8	11.1
20°-30°	166.4	16.1
30°-40°	189.6	18.4
40°-50°	184.8	17.9
50°-60°	155.5	15.1
60°-70°	109.0	10.6
70°-80°	55.9	5.4
80°-90°	13.9	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°	322.3	31.3
0°-40°	511.9	49.6
0°-60°	852.2	82.7
0°-90°	1031.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1031.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	436	436	436	436	436	
5°	436	434	431	434	433	41
15°	414	412	405	405	402	117
25°	376	371	359	354	351	173
35°	324	316	301	291	287	203
45°	265	256	237	224	219	204
55°	201	190	172	157	152	180
65°	136	125	108	94	89	135
75°	72	63	49	42	39	77
85°	18	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°	436.4	436.4	436.4	436.4	436.4
2.5°	437.4	436.4	433.1	436.4	436.0
5°	435.7	434.4	430.8	434.0	433.3
7.5°	432.4	431.1	426.8	429.4	428.8
10°	427.5	426.5	421.9	422.9	421.9
12.5°	421.9	420.5	413.9	414.6	413.0
15°	414.3	412.3	405.3	405.0	402.1
17.5°	406.4	403.4	395.1	393.5	391.2
20°	396.8	393.5	383.0	381.3	378.4
22.5°	386.3	383.0	371.8	368.2	365.8
25°	375.7	370.7	358.6	354.3	350.7
27.5°	363.9	357.9	345.1	339.5	335.9
30°	350.7	344.5	330.6	323.1	320.1
32.5°	337.8	330.3	316.1	307.5	303.6
35°	323.7	315.8	300.9	291.4	286.7
37.5°	310.2	300.6	285.4	274.3	269.6
40°	295.7	285.8	269.9	257.4	253.5
42.5°	280.4	270.2	253.7	241.9	235.6
45°	265.0	255.5	237.3	224.1	219.2
47.5°	248.8	239.0	220.8	207.3	201.7
50°	233.7	222.8	204.0	190.2	185.2
52.5°	217.2	206.0	188.5	173.3	168.4
55°	201.1	190.5	172.1	157.2	152.0
57.5°	184.6	173.3	155.6	141.0	136.5
60°	168.7	157.2	139.4	124.9	120.0
62.5°	152.0	141.0	122.9	109.7	104.8
65°	136.2	124.9	107.5	94.2	89.3
67.5°	120.3	109.1	92.3	79.8	75.9
70°	104.2	92.9	76.4	66.2	62.3
72.5°	88.3	77.5	62.3	53.1	50.8
75°	72.5	62.6	48.8	41.6	39.3
77.5°	56.3	48.4	36.9	31.4	29.3
80°	42.9	35.0	25.7	22.7	22.1
82.5°	29.7	22.7	17.2	16.1	15.8
85°	18.1	12.2	10.6	10.2	9.9
87.5°	7.6	5.3	5.0	5.0	4.6
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)