

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: P888479

Luminaire Tested: **DPT5-6FO44-37S30-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: P888479
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: DPT5-6FO44-37S30-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

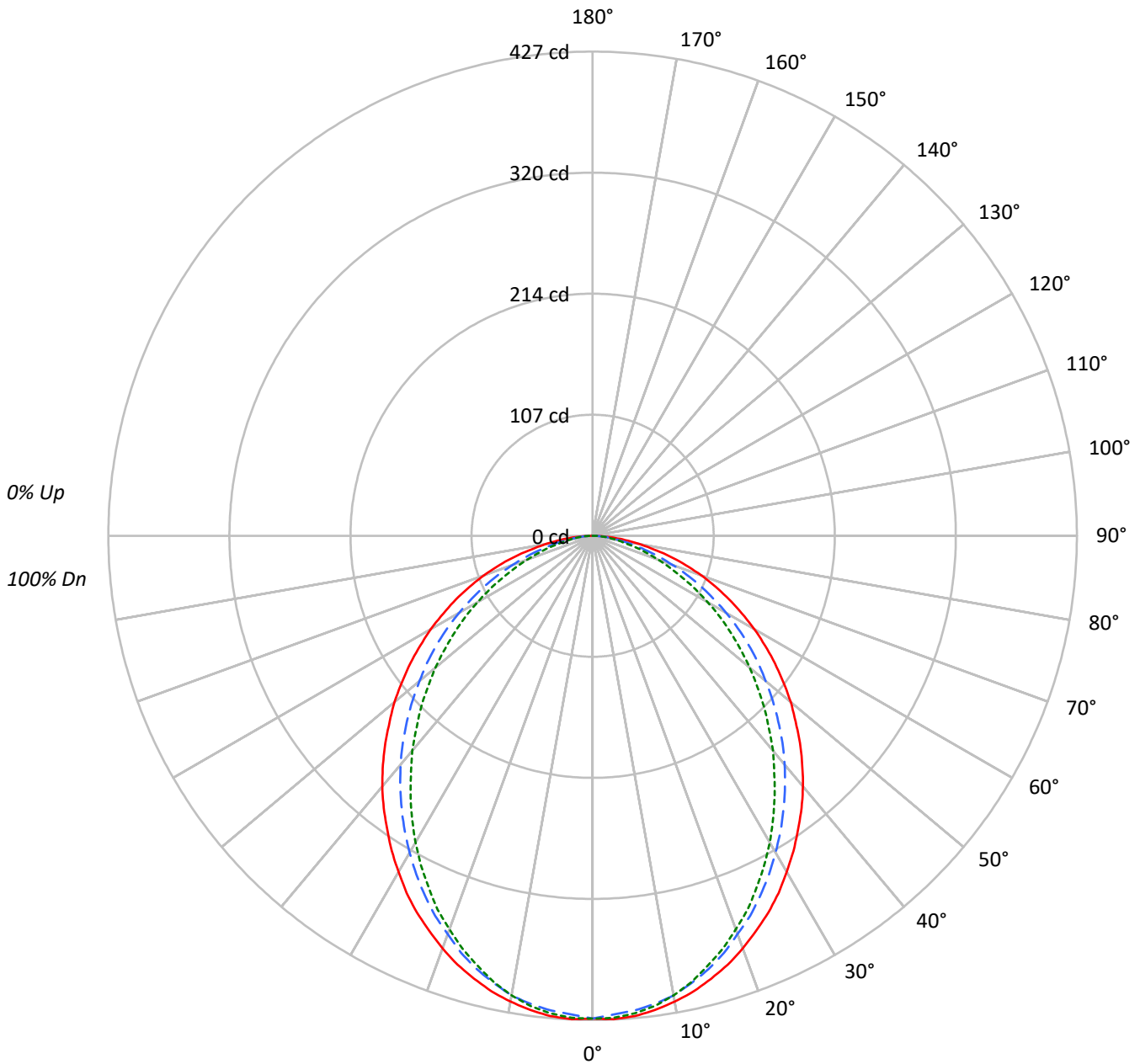
Lumens per Lamp: N/A
Luminaire Lumens: 1006.0 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 3.56' x H: 0')
CIE Type: Direct

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°	3292	3292	3292
5°	3300	3262	3281
10°	3274	3231	3231
15°	3236	3165	3141
20°	3185	3074	3037
25°	3127	2985	2919
30°	3055	2880	2788
35°	2980	2771	2641
40°	2911	2658	2496
45°	2826	2531	2339
50°	2742	2395	2174
55°	2644	2263	1999
60°	2545	2103	1809
65°	2431	1919	1593
70°	2299	1686	1374
75°	2115	1422	1144
80°	1861	1117	962
85°	1570	914	860



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.1	4.0
10°-20°	112.0	11.1
20°-30°	162.4	16.1
30°-40°	185.0	18.4
40°-50°	180.3	17.9
50°-60°	151.7	15.1
60°-70°	106.3	10.6
70°-80°	54.5	5.4
80°-90°	13.6	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°	314.5	31.3
0°-40°	499.5	49.6
0°-60°	831.5	82.7
0°-90°	1006.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1006.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	426	426	426	426	426	
5°	425	424	420	424	423	40
15°	404	402	396	395	392	114
25°	367	362	350	346	342	169
35°	316	308	294	284	280	198
45°	258	249	232	219	214	199
55°	196	186	168	153	148	175
65°	133	122	105	92	87	132
75°	71	61	48	41	38	75
85°	18	12	10	10	10	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	425.8	425.8	425.8	425.8	425.8
2.5°	426.8	425.8	422.6	425.8	425.5
5°	425.2	423.9	420.3	423.5	422.8
7.5°	421.9	420.6	416.5	419.0	418.4
10°	417.1	416.2	411.6	412.6	411.6
12.5°	411.6	410.3	403.9	404.5	403.0
15°	404.3	402.3	395.5	395.2	392.4
17.5°	396.5	393.7	385.6	384.0	381.7
20°	387.2	384.0	373.7	372.1	369.2
22.5°	376.9	373.7	362.8	359.2	356.9
25°	366.6	361.7	349.9	345.7	342.2
27.5°	355.1	349.2	336.7	331.3	327.7
30°	342.2	336.1	322.6	315.2	312.3
32.5°	329.6	322.3	308.4	300.1	296.2
35°	315.8	308.1	293.6	284.3	279.8
37.5°	302.6	293.3	278.5	267.6	263.0
40°	288.5	278.8	263.4	251.1	247.3
42.5°	273.6	263.7	247.6	236.1	229.9
45°	258.5	249.3	231.5	218.7	213.9
47.5°	242.7	233.2	215.4	202.3	196.8
50°	228.0	217.4	199.1	185.6	180.8
52.5°	211.9	201.0	183.9	169.1	164.3
55°	196.2	185.9	167.9	153.4	148.3
57.5°	180.1	169.1	151.8	137.6	133.2
60°	164.6	153.4	136.0	121.9	117.0
62.5°	148.3	137.6	120.0	107.1	102.2
65°	132.9	121.9	104.9	91.9	87.1
67.5°	117.3	106.5	90.0	77.9	74.0
70°	101.7	90.7	74.6	64.6	60.8
72.5°	86.2	75.6	60.8	51.8	49.6
75°	70.8	61.1	47.6	40.6	38.3
77.5°	54.9	47.2	36.0	30.6	28.6
80°	41.8	34.1	25.1	22.2	21.6
82.5°	28.9	22.2	16.8	15.7	15.5
85°	17.7	11.9	10.3	10.0	9.7
87.5°	7.5	5.1	4.8	4.8	4.5
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)