

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: P888423

Luminaire Tested: **DPT5-6FO36-37S27-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: P888423
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: DPT5-6FO36-37S27-F-XX-UDD
Description: 5in Define Recessed Patient with Frosted Diffuse Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

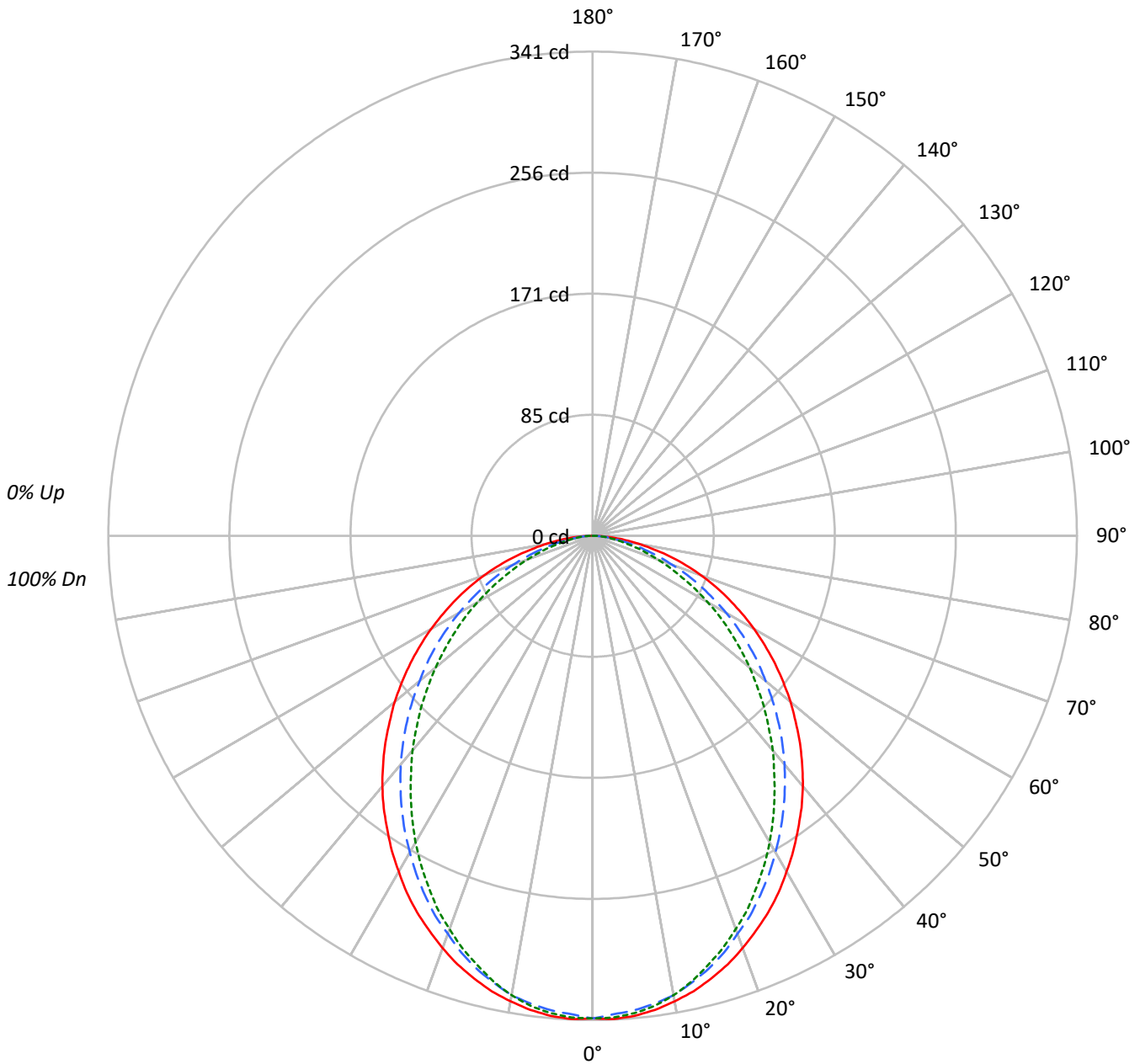
Lumens per Lamp: N/A
Luminaire Lumens: 803.0 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 0.39' x L: 2.9' x H: 0')
CIE Type: Direct

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°	3233	3233	3233
5°	3240	3203	3222
10°	3215	3173	3173
15°	3177	3108	3084
20°	3127	3019	2983
25°	3070	2931	2866
30°	2999	2828	2738
35°	2927	2721	2593
40°	2859	2610	2451
45°	2776	2486	2296
50°	2693	2351	2135
55°	2597	2222	1963
60°	2499	2066	1777
65°	2385	1884	1564
70°	2255	1655	1349
75°	2076	1396	1124
80°	1829	1095	942
85°	1539	895	840



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.0	4.0
10°-20°	89.4	11.1
20°-30°	129.6	16.1
30°-40°	147.7	18.4
40°-50°	143.9	17.9
50°-60°	121.1	15.1
60°-70°	84.9	10.6
70°-80°	43.5	5.4
80°-90°	10.9	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°	251.0	31.3
0°-40°	398.7	49.6
0°-60°	663.8	82.7
0°-90°	803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	803.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	340	340	340	340	340	
5°	339	338	336	338	338	32
15°	323	321	316	316	313	91
25°	293	289	279	276	273	135
35°	252	246	234	227	223	158
45°	206	199	185	175	171	159
55°	157	148	134	122	118	140
65°	106	97	84	73	70	105
75°	56	49	38	32	31	60
85°	14	10	8	8	8	16
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	339.9	339.9	339.9	339.9	339.9
2.5°	340.7	339.9	337.3	339.9	339.6
5°	339.4	338.4	335.5	338.0	337.5
7.5°	336.8	335.8	332.4	334.5	334.0
10°	332.9	332.2	328.6	329.4	328.6
12.5°	328.6	327.5	322.4	322.9	321.7
15°	322.7	321.1	315.7	315.5	313.2
17.5°	316.5	314.2	307.8	306.5	304.7
20°	309.0	306.5	298.3	297.0	294.7
22.5°	300.8	298.3	289.6	286.8	284.9
25°	292.6	288.8	279.3	275.9	273.1
27.5°	283.4	278.8	268.8	264.4	261.6
30°	273.1	268.3	257.5	251.6	249.3
32.5°	263.1	257.2	246.2	239.5	236.5
35°	252.1	245.9	234.4	226.9	223.3
37.5°	241.6	234.1	222.3	213.6	209.9
40°	230.3	222.6	210.2	200.5	197.4
42.5°	218.4	210.5	197.6	188.4	183.5
45°	206.4	199.0	184.8	174.6	170.7
47.5°	193.8	186.1	171.9	161.5	157.1
50°	182.0	173.5	158.9	148.1	144.3
52.5°	169.1	160.5	146.8	135.0	131.1
55°	156.6	148.4	134.0	122.5	118.4
57.5°	143.8	135.0	121.2	109.9	106.3
60°	131.4	122.5	108.6	97.3	93.4
62.5°	118.4	109.9	95.8	85.5	81.6
65°	106.0	97.3	83.7	73.4	69.5
67.5°	93.7	85.0	71.9	62.1	59.1
70°	81.1	72.4	59.5	51.6	48.5
72.5°	68.8	60.3	48.5	41.3	39.6
75°	56.5	48.8	38.0	32.4	30.6
77.5°	43.9	37.7	28.7	24.4	22.9
80°	33.4	27.2	20.0	17.7	17.2
82.5°	23.1	17.7	13.4	12.5	12.3
85°	14.1	9.5	8.2	8.0	7.7
87.5°	6.0	4.1	3.9	3.9	3.6
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)