

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: P888167

Luminaire Tested: **DPT5-6FO36-61V60-A-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: P888167
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: DPT5-6FO36-61V60-A-XX-UDD_4500K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

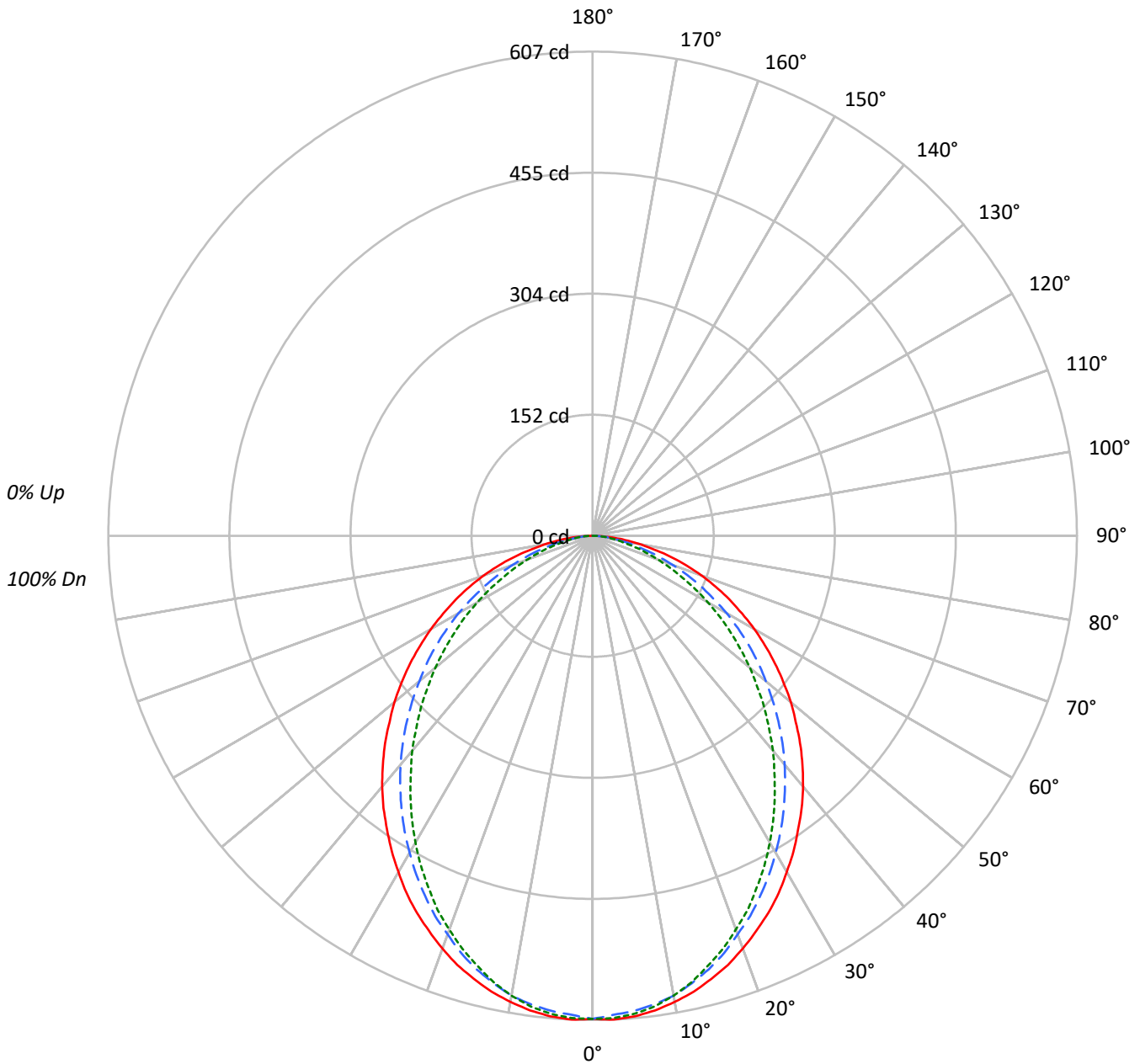
Lumens per Lamp: N/A
Luminaire Lumens: 1431.0 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 14.4
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°	5761	5761	5761
5°	5774	5708	5742
10°	5730	5654	5654
15°	5662	5539	5495
20°	5574	5379	5316
25°	5471	5223	5107
30°	5345	5038	4878
35°	5215	4850	4621
40°	5095	4651	4368
45°	4947	4429	4091
50°	4798	4190	3804
55°	4628	3961	3499
60°	4455	3681	3167
65°	4253	3358	2788
70°	4021	2950	2405
75°	3697	2488	2003
80°	3259	1955	1681
85°	2739	1604	1495



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.0	4.0
10°-20°	159.3	11.1
20°-30°	231.0	16.1
30°-40°	263.2	18.4
40°-50°	256.5	17.9
50°-60°	215.9	15.1
60°-70°	151.3	10.6
70°-80°	77.6	5.4
80°-90°	19.4	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°	447.3	31.3
0°-40°	710.5	49.6
0°-60°	1182.8	82.7
0°-90°	1431.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1431.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	606	606	606	606	606	
5°	605	603	598	602	602	57
15°	575	572	563	562	558	162
25°	521	515	498	492	487	240
35°	449	438	418	404	398	281
45°	368	355	329	311	304	284
55°	279	264	239	218	211	250
65°	189	173	149	131	124	187
75°	101	87	68	58	54	106
85°	25	17	15	14	14	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	605.7	605.7	605.7	605.7	605.7
2.5°	607.1	605.7	601.1	605.7	605.2
5°	604.8	603.0	597.9	602.4	601.5
7.5°	600.2	598.3	592.4	596.0	595.2
10°	593.3	592.0	585.5	587.0	585.5
12.5°	585.5	583.7	574.5	575.4	573.2
15°	575.1	572.3	562.6	562.2	558.1
17.5°	564.0	560.0	548.4	546.2	543.0
20°	550.7	546.2	531.5	529.3	525.2
22.5°	536.1	531.5	516.1	511.0	507.7
25°	521.4	514.6	497.7	491.7	486.7
27.5°	505.1	496.8	478.9	471.2	466.2
30°	486.7	478.1	458.8	448.4	444.2
32.5°	468.8	458.4	438.7	426.8	421.4
35°	449.2	438.3	417.7	404.4	398.0
37.5°	430.5	417.2	396.1	380.7	374.1
40°	410.4	396.6	374.6	357.3	351.8
42.5°	389.2	375.1	352.2	335.8	327.0
45°	367.8	354.6	329.3	311.1	304.2
47.5°	345.3	331.7	306.4	287.8	279.9
50°	324.3	309.2	283.2	264.0	257.1
52.5°	301.4	286.0	261.6	240.6	233.7
55°	279.1	264.4	238.9	218.3	211.0
57.5°	256.2	240.6	216.0	195.8	189.4
60°	234.2	218.3	193.5	173.4	166.5
62.5°	211.0	195.8	170.6	152.3	145.4
65°	189.0	173.4	149.2	130.8	123.9
67.5°	166.9	151.5	128.1	110.7	105.3
70°	144.6	129.0	106.1	91.9	86.5
72.5°	122.6	107.5	86.5	73.7	70.5
75°	100.6	86.9	67.7	57.7	54.5
77.5°	78.2	67.2	51.2	43.5	40.7
80°	59.5	48.5	35.7	31.6	30.7
82.5°	41.2	31.6	23.8	22.3	22.0
85°	25.1	16.9	14.7	14.2	13.7
87.5°	10.6	7.3	6.9	6.9	6.4
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)