

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: P888166

Luminaire Tested: **DPT5-6FO36-61V60-A-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: P888166
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_4000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

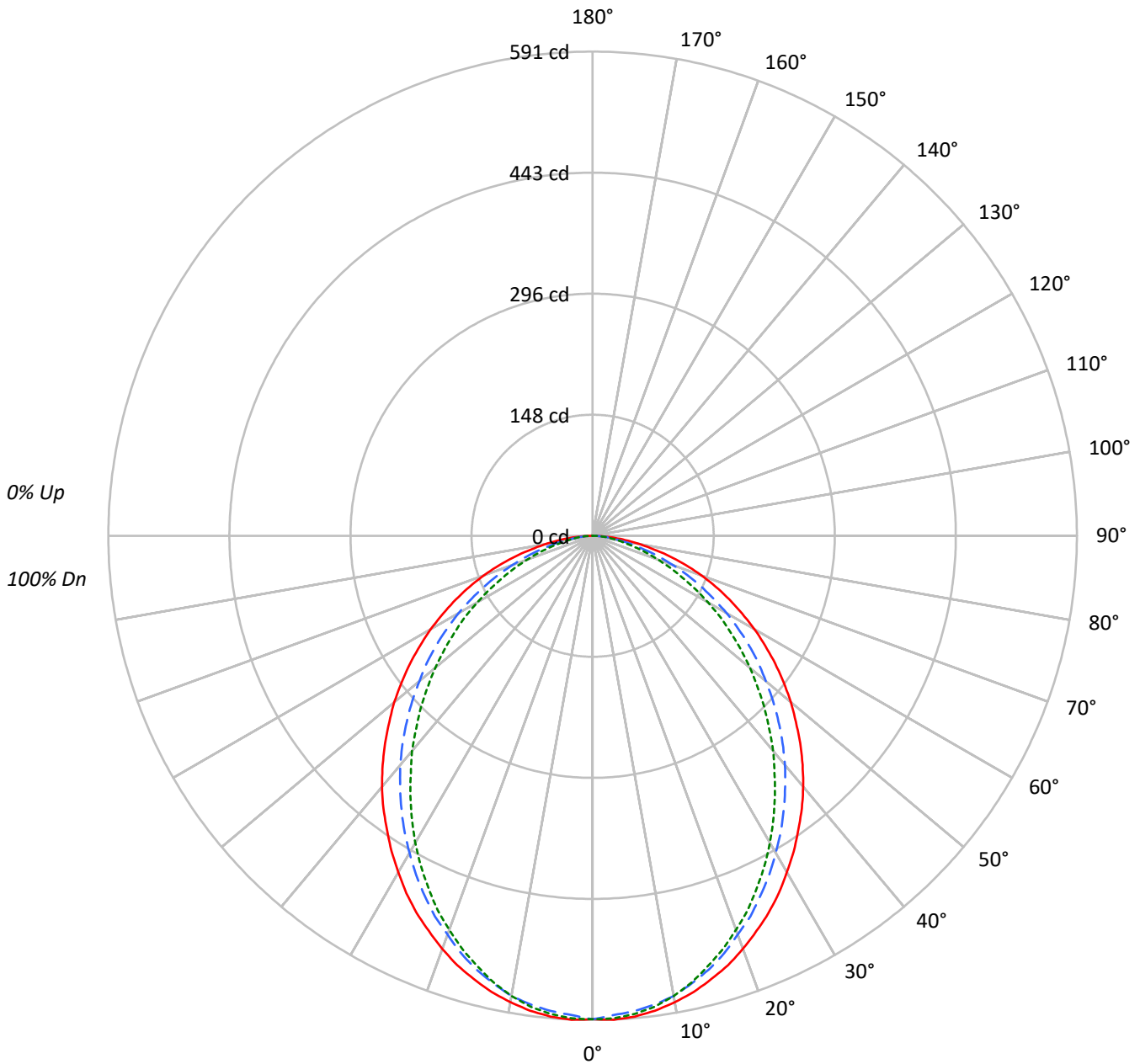
Lumens per Lamp: N/A
Luminaire Lumens: 1394.0 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P888166

CATALOG NUMBER: DPT5-6FO36-61V60-A-XX-UDD_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P888166

CATALOG NUMBER: DPT5-6FO36-61V60-A-XX-UDD_4000K

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°	5612	5612	5612
5°	5624	5560	5594
10°	5582	5509	5509
15°	5516	5397	5353
20°	5430	5241	5178
25°	5331	5087	4976
30°	5208	4909	4752
35°	5081	4724	4501
40°	4964	4532	4255
45°	4819	4315	3985
50°	4674	4081	3706
55°	4508	3858	3407
60°	4341	3585	3085
65°	4143	3270	2716
70°	3918	2872	2341
75°	3601	2425	1951
80°	3171	1906	1638
85°	2673	1560	1462



TEST NUMBER: P888166

CATALOG NUMBER: DPT5-6FO36-61V60-A-XX-UDD_4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.5	4.0
10°-20°	155.2	11.1
20°-30°	225.0	16.1
30°-40°	256.4	18.4
40°-50°	249.9	17.9
50°-60°	210.3	15.1
60°-70°	147.4	10.6
70°-80°	75.5	5.4
80°-90°	18.8	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°	435.7	31.3
0°-40°	692.1	49.6
0°-60°	1152.3	82.7
0°-90°	1394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1394.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	590	590	590	590	590	
5°	589	587	582	587	586	56
15°	560	558	548	548	544	158
25°	508	501	485	479	474	234
35°	438	427	407	394	388	274
45°	358	346	321	303	296	276
55°	272	258	233	213	206	243
65°	184	169	145	127	121	182
75°	98	85	66	56	53	104
85°	24	16	14	14	13	28
90°	0	0	0	0	0	



TEST NUMBER: P888166

CATALOG NUMBER: DPT5-6FO36-61V60-A-XX-UDD_4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	590.1	590.1	590.1	590.1	590.1
2.5°	591.4	590.1	585.6	590.1	589.6
5°	589.1	587.4	582.4	586.8	585.9
7.5°	584.7	582.9	577.1	580.6	579.8
10°	578.0	576.7	570.4	571.8	570.4
12.5°	570.4	568.6	559.6	560.5	558.4
15°	560.2	557.5	548.1	547.6	543.7
17.5°	549.5	545.5	534.3	532.1	529.0
20°	536.5	532.1	517.8	515.6	511.6
22.5°	522.3	517.8	502.8	497.8	494.6
25°	508.0	501.3	484.8	479.0	474.2
27.5°	492.0	483.9	466.6	459.0	454.2
30°	474.2	465.7	447.0	436.8	432.7
32.5°	456.7	446.5	427.4	415.8	410.5
35°	437.6	427.0	406.9	394.0	387.7
37.5°	419.4	406.4	385.9	370.8	364.5
40°	399.8	386.4	365.0	348.0	342.7
42.5°	379.2	365.4	343.1	327.1	318.6
45°	358.3	345.5	320.8	303.0	296.3
47.5°	336.4	323.1	298.5	280.3	272.7
50°	315.9	301.2	275.8	257.2	250.5
52.5°	293.6	278.6	254.9	234.4	227.7
55°	271.9	257.6	232.7	212.6	205.5
57.5°	249.6	234.4	210.4	190.7	184.5
60°	228.2	212.6	188.5	168.9	162.2
62.5°	205.5	190.7	166.2	148.4	141.7
65°	184.1	168.9	145.3	127.4	120.7
67.5°	162.6	147.6	124.7	107.9	102.6
70°	140.9	125.6	103.3	89.5	84.2
72.5°	119.4	104.7	84.2	71.8	68.7
75°	98.0	84.6	66.0	56.2	53.1
77.5°	76.1	65.5	49.8	42.4	39.7
80°	57.9	47.3	34.8	30.8	29.9
82.5°	40.1	30.8	23.2	21.7	21.4
85°	24.5	16.5	14.3	13.8	13.4
87.5°	10.3	7.1	6.7	6.7	6.2
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)