

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: P888175

Luminaire Tested: **DPT5-6FO36-85V60-A-XX-UDD_3000K**

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: P888175
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: DPT5-6FO36-85V60-A-XX-UDD_3000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

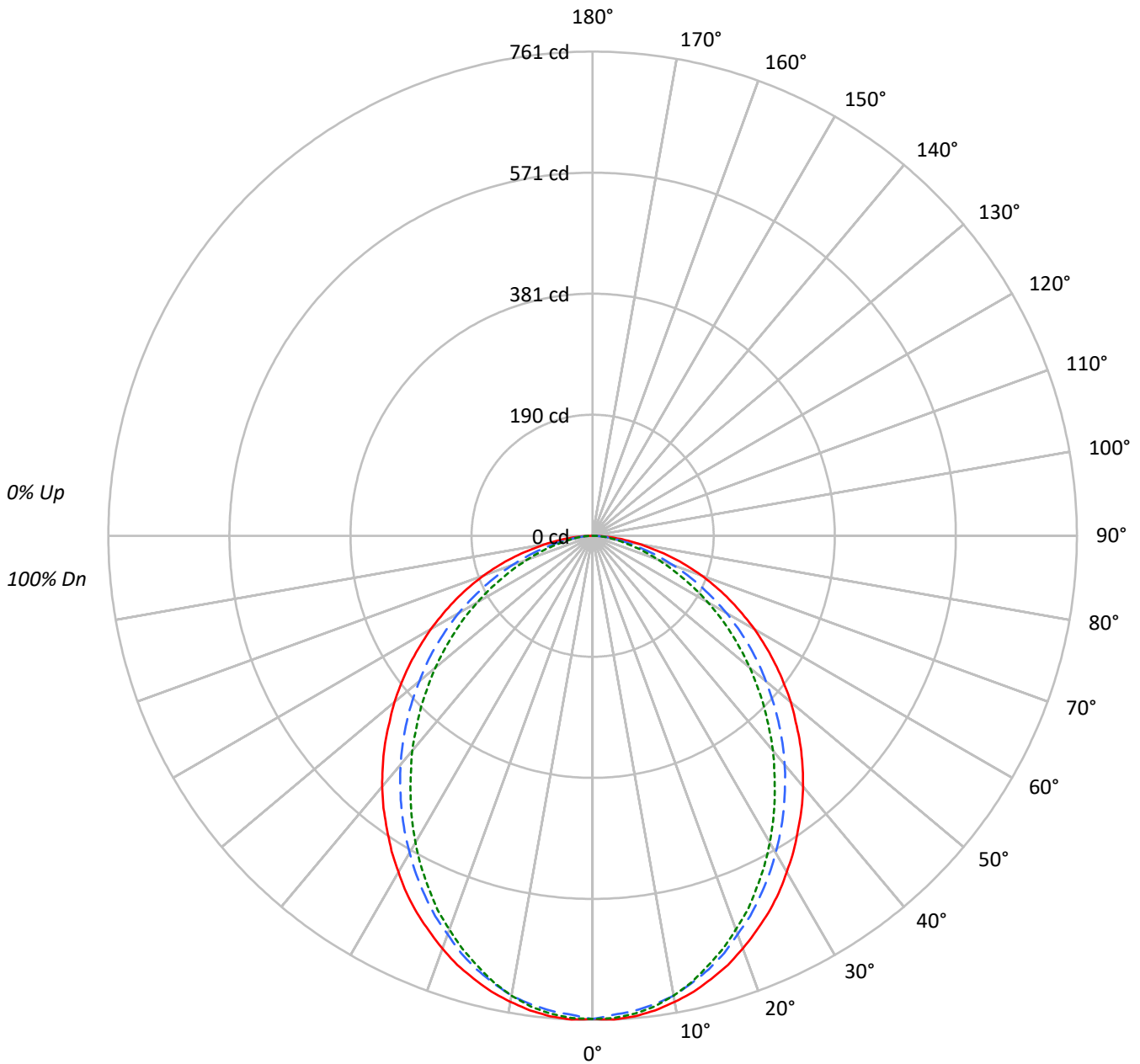
Lumens per Lamp: N/A
Luminaire Lumens: 1794.0 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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°	7222	7222	7222
5°	7238	7156	7198
10°	7183	7088	7088
15°	7099	6944	6889
20°	6987	6745	6664
25°	6860	6547	6403
30°	6701	6317	6116
35°	6539	6079	5792
40°	6388	5831	5476
45°	6202	5553	5130
50°	6016	5253	4769
55°	5802	4966	4386
60°	5585	4615	3970
65°	5331	4208	3495
70°	5041	3698	3014
75°	4637	3120	2510
80°	4086	2454	2109
85°	3437	2008	1877



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	4.0
10°-20°	199.7	11.1
20°-30°	289.6	16.1
30°-40°	329.9	18.4
40°-50°	321.6	17.9
50°-60°	270.6	15.1
60°-70°	189.6	10.6
70°-80°	97.2	5.4
80°-90°	24.3	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°	560.8	31.3
0°-40°	890.7	49.6
0°-60°	1482.9	82.7
0°-90°	1794.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1794.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	759	759	759	759	759	
5°	758	756	750	755	754	72
15°	721	717	705	705	700	203
25°	654	645	624	616	610	301
35°	563	550	524	507	499	353
45°	461	445	413	390	381	356
55°	350	332	300	274	264	313
65°	237	217	187	164	155	235
75°	126	109	85	72	68	133
85°	32	21	18	18	17	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	759.4	759.4	759.4	759.4	759.4
2.5°	761.1	759.4	753.6	759.4	758.7
5°	758.2	756.0	749.6	755.2	754.0
7.5°	752.4	750.1	742.7	747.2	746.2
10°	743.8	742.1	734.0	735.9	734.0
12.5°	734.0	731.7	720.2	721.4	718.6
15°	721.0	717.4	705.3	704.8	699.7
17.5°	707.1	702.0	687.6	684.8	680.7
20°	690.4	684.8	666.4	663.5	658.4
22.5°	672.1	666.4	647.0	640.6	636.5
25°	653.7	645.1	623.9	616.5	610.2
27.5°	633.2	622.8	600.4	590.7	584.5
30°	610.2	599.4	575.2	562.1	556.9
32.5°	587.8	574.7	550.0	535.1	528.3
35°	563.2	549.5	523.6	507.0	498.9
37.5°	539.7	523.0	496.6	477.2	469.0
40°	514.5	497.2	469.7	447.9	441.1
42.5°	488.0	470.2	441.5	421.0	410.0
45°	461.1	444.6	412.9	390.0	381.4
47.5°	432.9	415.9	384.2	360.7	351.0
50°	406.6	387.7	355.0	331.0	322.3
52.5°	377.9	358.5	328.0	301.6	293.0
55°	349.9	331.5	299.5	273.6	264.5
57.5°	321.2	301.6	270.7	245.4	237.4
60°	293.6	273.6	242.6	217.3	208.7
62.5°	264.5	245.4	213.9	191.0	182.3
65°	236.9	217.3	187.0	163.9	155.3
67.5°	209.3	189.9	160.5	138.8	132.0
70°	181.3	161.7	133.0	115.2	108.4
72.5°	153.7	134.8	108.4	92.3	88.4
75°	126.2	108.9	84.9	72.3	68.3
77.5°	98.0	84.3	64.1	54.6	51.1
80°	74.6	60.9	44.8	39.6	38.5
82.5°	51.6	39.6	29.9	28.0	27.6
85°	31.5	21.2	18.4	17.8	17.2
87.5°	13.3	9.1	8.6	8.6	8.0
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)