

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: P888176

Luminaire Tested: **DPT5-6FO36-85V60-A-XX-UDD_3500K**

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: P888176
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_3500K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

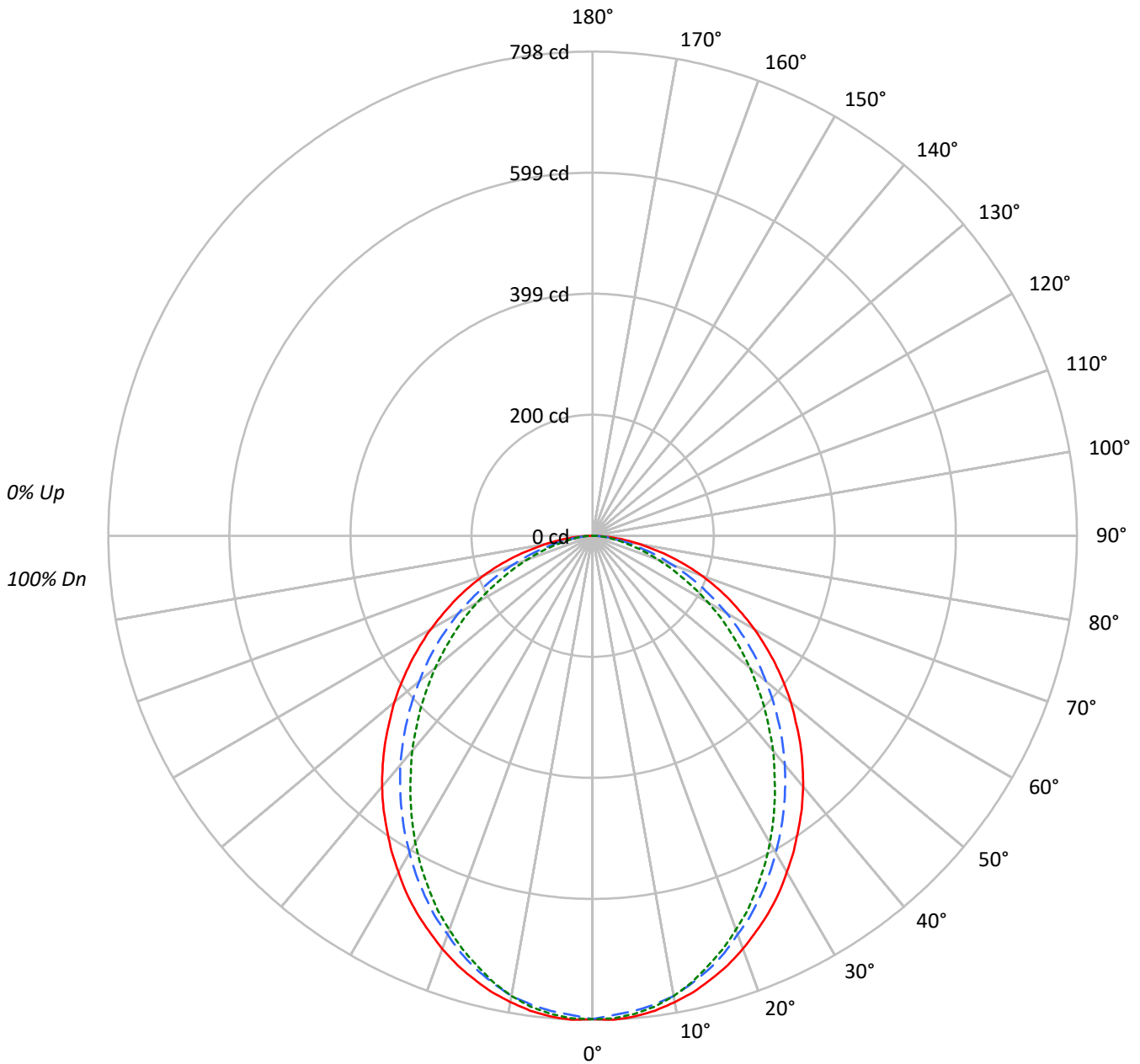
Lumens per Lamp: N/A
Luminaire Lumens: 1882.0 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

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°	7576	7576	7576
5°	7594	7507	7552
10°	7536	7437	7437
15°	7447	7285	7227
20°	7331	7076	6991
25°	7197	6868	6717
30°	7029	6626	6416
35°	6859	6378	6077
40°	6700	6117	5744
45°	6506	5825	5381
50°	6310	5510	5004
55°	6087	5210	4600
60°	5858	4841	4166
65°	5592	4415	3666
70°	5289	3879	3162
75°	4865	3274	2631
80°	4283	2574	2213
85°	3601	2106	1975



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.0	4.0
10°-20°	209.5	11.1
20°-30°	303.8	16.1
30°-40°	346.1	18.4
40°-50°	337.3	17.9
50°-60°	283.9	15.1
60°-70°	198.9	10.6
70°-80°	102.0	5.4
80°-90°	25.4	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°	588.3	31.3
0°-40°	934.4	49.6
0°-60°	1555.6	82.7
0°-90°	1882.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1882.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	797	797	797	797	797	
5°	795	793	786	792	791	75
15°	756	753	740	739	734	213
25°	686	677	654	647	640	316
35°	591	576	549	532	523	370
45°	484	466	433	409	400	373
55°	367	348	314	287	277	328
65°	248	228	196	172	163	246
75°	132	114	89	76	72	140
85°	33	22	19	19	18	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	796.6	796.6	796.6	796.6	796.6
2.5°	798.4	796.6	790.6	796.6	795.9
5°	795.4	793.0	786.3	792.3	791.0
7.5°	789.4	786.9	779.1	783.9	782.8
10°	780.3	778.5	770.1	771.9	770.1
12.5°	770.1	767.6	755.5	756.8	753.9
15°	756.3	752.6	739.9	739.4	734.0
17.5°	741.8	736.5	721.3	718.4	714.1
20°	724.3	718.4	699.1	696.1	690.7
22.5°	705.1	699.1	678.8	672.1	667.7
25°	685.8	676.8	654.5	646.7	640.1
27.5°	664.3	653.3	629.9	619.7	613.1
30°	640.1	628.8	603.4	589.7	584.2
32.5°	616.6	602.9	577.0	561.4	554.2
35°	590.8	576.4	549.3	531.9	523.4
37.5°	566.2	548.6	521.0	500.6	492.1
40°	539.7	521.6	492.7	469.8	462.7
42.5°	511.9	493.3	463.1	441.6	430.1
45°	483.7	466.4	433.1	409.1	400.1
47.5°	454.1	436.3	403.0	378.4	368.2
50°	426.5	406.7	372.4	347.2	338.2
52.5°	396.4	376.1	344.1	316.4	307.4
55°	367.1	347.8	314.2	287.0	277.4
57.5°	336.9	316.4	284.0	257.5	249.1
60°	308.0	287.0	254.5	228.0	219.0
62.5°	277.4	257.5	224.4	200.3	191.3
65°	248.5	228.0	196.2	172.0	162.9
67.5°	219.5	199.2	168.4	145.6	138.5
70°	190.2	169.6	139.5	120.9	113.7
72.5°	161.3	141.4	113.7	96.9	92.7
75°	132.4	114.3	89.1	75.9	71.6
77.5°	102.8	88.4	67.3	57.3	53.6
80°	78.2	63.8	47.0	41.5	40.4
82.5°	54.1	41.5	31.4	29.4	28.9
85°	33.0	22.2	19.3	18.6	18.1
87.5°	14.0	9.6	9.0	9.0	8.4
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)