

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: P888177

Luminaire Tested: **DPT5-6FO36-85V60-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: P888177
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_4000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

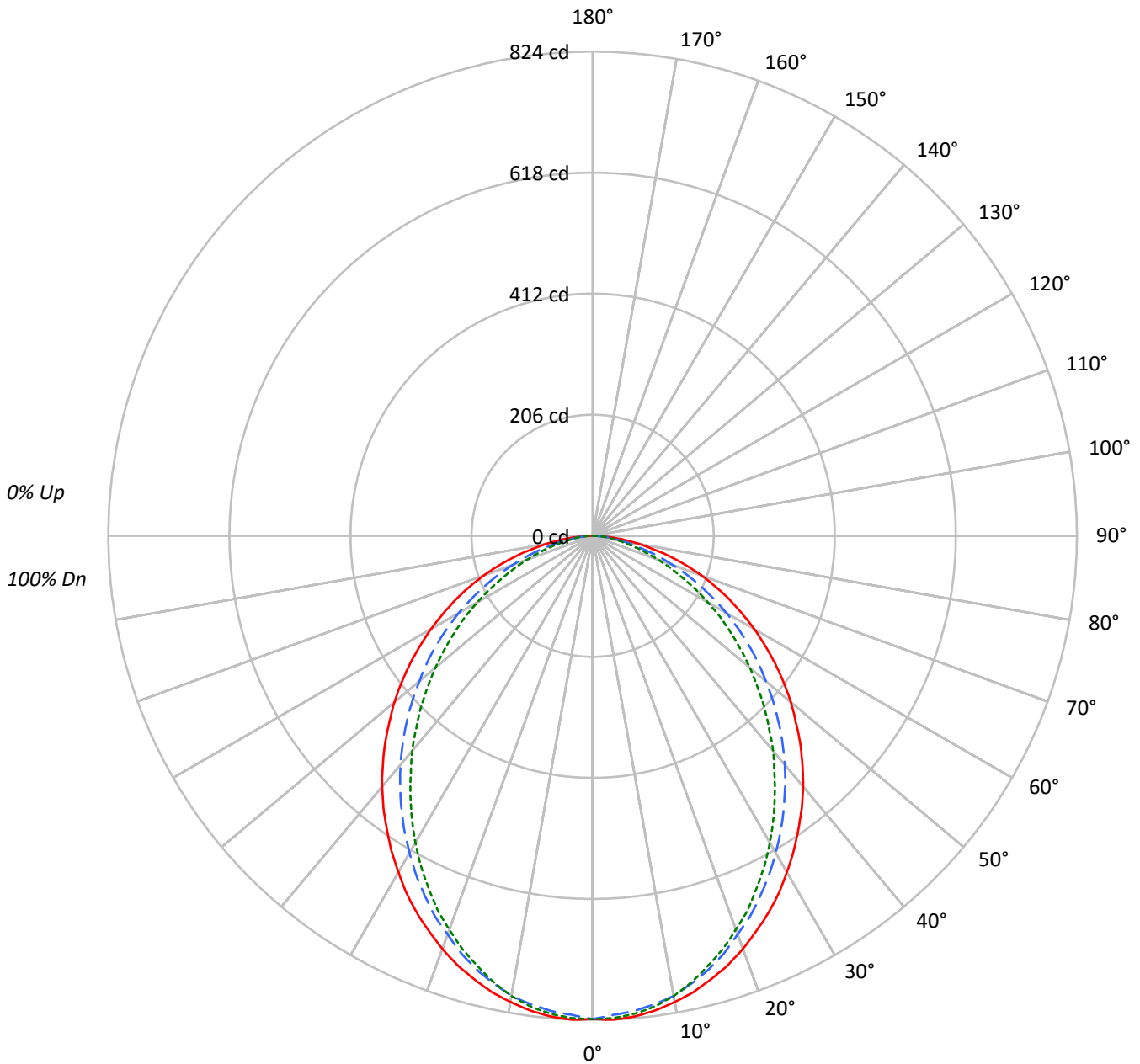
Lumens per Lamp: N/A
Luminaire Lumens: 1943.0 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

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°	7821	7821	7821
5°	7840	7750	7797
10°	7780	7678	7678
15°	7688	7521	7461
20°	7568	7304	7217
25°	7430	7092	6935
30°	7258	6842	6624
35°	7082	6584	6274
40°	6918	6316	5931
45°	6717	6015	5556
50°	6516	5689	5165
55°	6284	5377	4749
60°	6049	4997	4301
65°	5774	4559	3785
70°	5459	4004	3265
75°	5019	3377	2719
80°	4425	2656	2284
85°	3721	2172	2041



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.4	4.0
10°-20°	216.3	11.1
20°-30°	313.6	16.1
30°-40°	357.3	18.4
40°-50°	348.3	17.9
50°-60°	293.1	15.1
60°-70°	205.4	10.6
70°-80°	105.3	5.4
80°-90°	26.3	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°	607.3	31.3
0°-40°	964.7	49.6
0°-60°	1606.0	82.7
0°-90°	1943.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1943.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	822	822	822	822	822	
5°	821	819	812	818	817	78
15°	781	777	764	763	758	220
25°	708	699	676	668	661	326
35°	610	595	567	549	540	382
45°	499	482	447	422	413	385
55°	379	359	324	296	286	339
65°	257	235	203	178	168	254
75°	137	118	92	78	74	144
85°	34	23	20	19	19	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	822.4	822.4	822.4	822.4	822.4
2.5°	824.3	822.4	816.2	822.4	821.7
5°	821.2	818.7	811.8	817.9	816.7
7.5°	814.9	812.4	804.3	809.3	808.1
10°	805.6	803.8	795.0	797.0	795.0
12.5°	795.0	792.5	780.0	781.3	778.3
15°	780.8	777.0	763.9	763.3	757.8
17.5°	765.9	760.3	744.7	741.7	737.3
20°	747.8	741.7	721.7	718.6	713.1
22.5°	728.0	721.7	700.8	693.8	689.4
25°	708.0	698.7	675.8	667.7	660.9
27.5°	685.8	674.5	650.3	639.8	633.0
30°	660.9	649.1	623.0	608.8	603.2
32.5°	636.6	622.4	595.7	579.6	572.2
35°	610.0	595.1	567.1	549.1	540.4
37.5°	584.5	566.4	537.8	516.9	508.0
40°	557.2	538.5	508.7	485.1	477.7
42.5°	528.5	509.3	478.2	455.9	444.1
45°	499.4	481.5	447.2	422.4	413.1
47.5°	468.8	450.4	416.1	390.7	380.1
50°	440.4	419.9	384.5	358.4	349.1
52.5°	409.3	388.3	355.2	326.6	317.3
55°	379.0	359.0	324.3	296.3	286.4
57.5°	347.8	326.6	293.2	265.8	257.2
60°	318.0	296.3	262.7	235.4	226.1
62.5°	286.4	265.8	231.7	206.8	197.5
65°	256.6	235.4	202.6	177.6	168.2
67.5°	226.6	205.7	173.9	150.4	143.0
70°	196.3	175.1	144.0	124.8	117.4
72.5°	166.5	146.0	117.4	100.0	95.7
75°	136.6	118.0	91.9	78.3	74.0
77.5°	106.1	91.3	69.5	59.1	55.3
80°	80.8	65.9	48.5	42.9	41.7
82.5°	55.9	42.9	32.4	30.3	29.8
85°	34.1	22.9	19.9	19.2	18.7
87.5°	14.4	9.9	9.3	9.3	8.6
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)