

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: P888135

Luminaire Tested: **DPT5-6FO36-109V60-A-XX-UDD_5000K**

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: P888135
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: DPT5-6FO36-109V60-A-XX-UDD_5000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

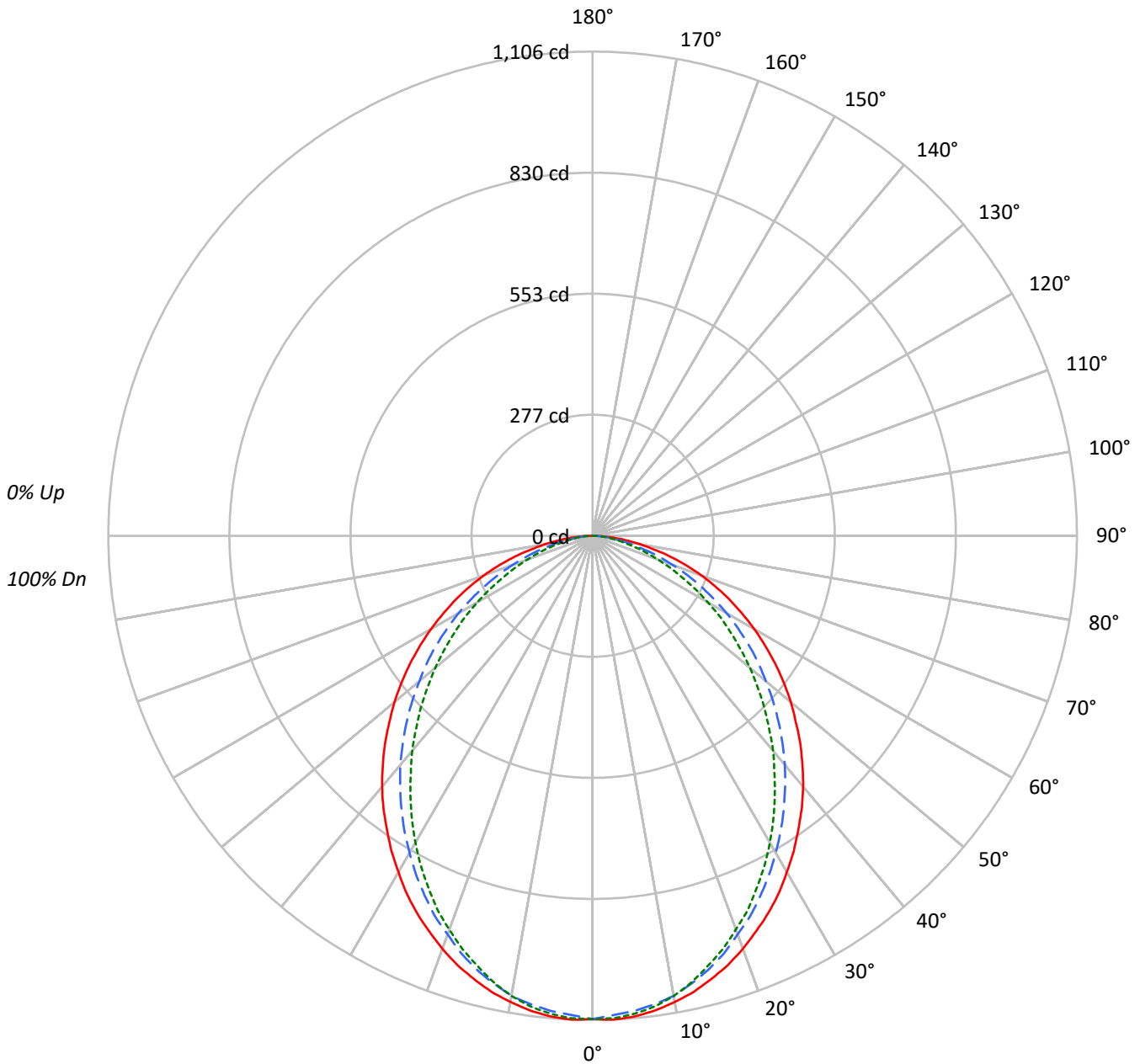
Lumens per Lamp: N/A
Luminaire Lumens: 2608.0 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 25.7
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°	10499	10499	10499
5°	10523	10403	10465
10°	10442	10305	10305
15°	10320	10095	10015
20°	10158	9804	9687
25°	9972	9518	9309
30°	9742	9183	8891
35°	9505	8838	8421
40°	9285	8477	7961
45°	9015	8073	7457
50°	8746	7636	6933
55°	8435	7218	6375
60°	8118	6707	5771
65°	7750	6119	5081
70°	7327	5375	4382
75°	6739	4534	3649
80°	5937	3565	3067
85°	4998	2924	2739



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.9	4.0
10°-20°	290.3	11.1
20°-30°	421.0	16.1
30°-40°	479.6	18.4
40°-50°	467.5	17.9
50°-60°	393.4	15.1
60°-70°	275.7	10.6
70°-80°	141.3	5.4
80°-90°	35.3	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°	815.2	31.3
0°-40°	1294.8	49.6
0°-60°	2155.7	82.7
0°-90°	2608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2608.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1104	1104	1104	1104	1104	
5°	1102	1099	1090	1098	1096	105
15°	1048	1043	1025	1025	1017	296
25°	950	938	907	896	887	437
35°	819	799	761	737	725	513
45°	670	646	600	567	554	517
55°	509	482	435	398	384	455
65°	344	316	272	238	226	341
75°	183	158	123	105	99	194
85°	46	31	27	26	25	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1103.9	1103.9	1103.9	1103.9	1103.9
2.5°	1106.4	1103.9	1095.6	1103.9	1103.0
5°	1102.2	1099.0	1089.7	1097.9	1096.2
7.5°	1093.9	1090.5	1079.6	1086.3	1084.7
10°	1081.3	1078.9	1067.1	1069.7	1067.1
12.5°	1067.1	1063.7	1047.0	1048.7	1044.7
15°	1048.1	1043.0	1025.3	1024.6	1017.2
17.5°	1028.0	1020.6	999.5	995.5	989.6
20°	1003.7	995.5	968.7	964.6	957.1
22.5°	977.1	968.7	940.6	931.3	925.3
25°	950.3	937.8	907.0	896.2	887.1
27.5°	920.5	905.3	872.9	858.8	849.7
30°	887.1	871.3	836.2	817.2	809.6
32.5°	854.5	835.4	799.6	777.9	768.0
35°	818.7	798.8	761.2	737.1	725.3
37.5°	784.6	760.3	721.9	693.8	681.9
40°	747.9	722.8	682.8	651.1	641.2
42.5°	709.4	683.6	641.8	612.0	596.0
45°	670.3	646.3	600.2	567.0	554.4
47.5°	629.3	604.5	558.5	524.4	510.2
50°	591.1	563.6	516.1	481.1	468.6
52.5°	549.3	521.2	476.8	438.4	425.9
55°	508.7	481.9	435.3	397.8	384.5
57.5°	466.9	438.4	393.6	356.8	345.2
60°	426.8	397.8	352.6	316.0	303.4
62.5°	384.5	356.8	311.0	277.6	265.1
65°	344.4	316.0	271.9	238.3	225.8
67.5°	304.2	276.1	233.4	201.8	191.9
70°	263.5	235.1	193.3	167.5	157.6
72.5°	223.5	195.9	157.6	134.2	128.5
75°	183.4	158.4	123.4	105.2	99.3
77.5°	142.4	122.5	93.3	79.3	74.2
80°	108.4	88.5	65.1	57.5	56.0
82.5°	75.0	57.5	43.5	40.7	40.1
85°	45.8	30.8	26.8	25.8	25.1
87.5°	19.3	13.3	12.5	12.5	11.6
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)