

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: P888131

Luminaire Tested: **DPT5-6FO36-109V60-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: P888131
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_3000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

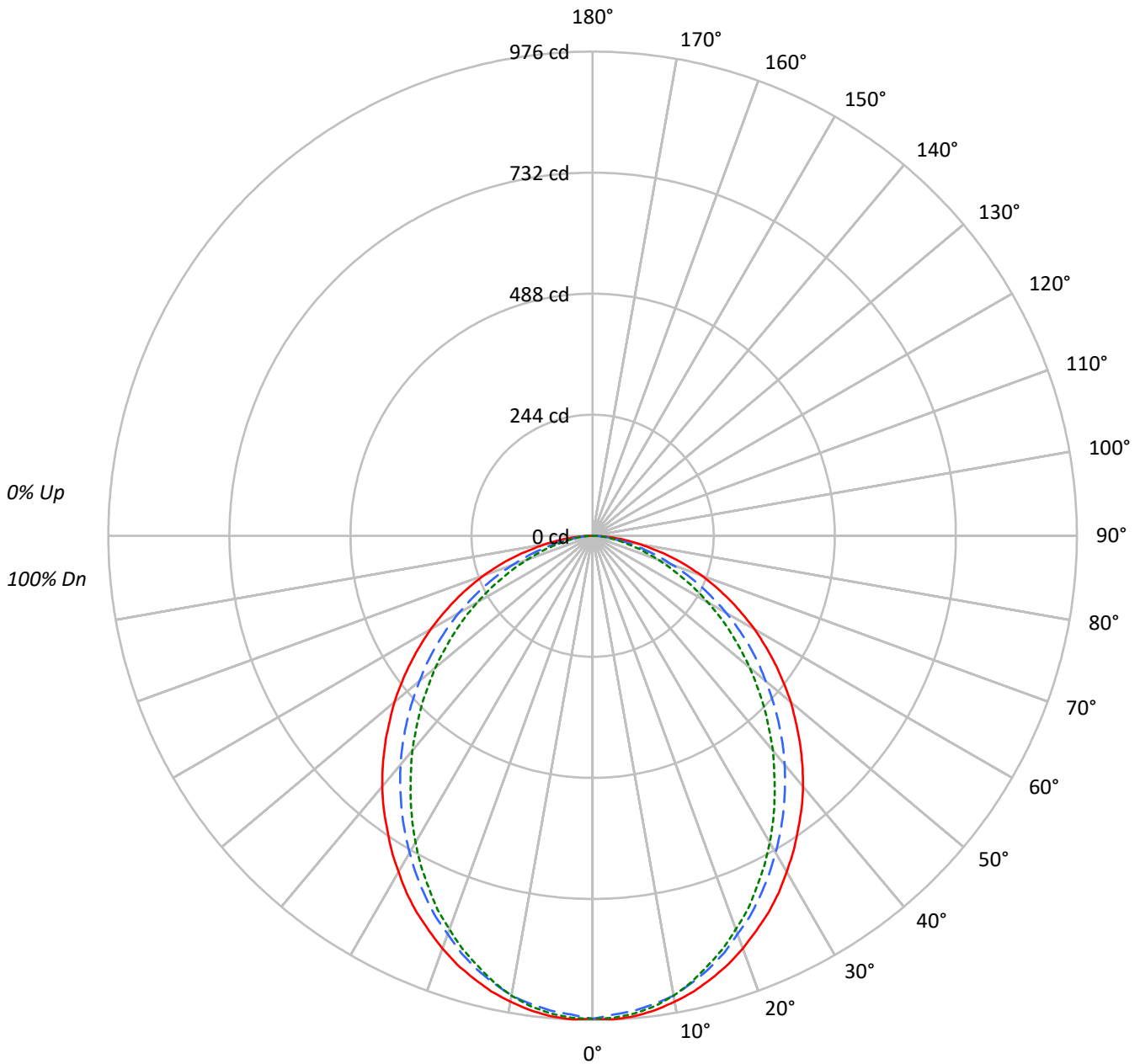
Lumens per Lamp: N/A
Luminaire Lumens: 2300.0 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

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°	9259	9259	9259
5°	9280	9175	9229
10°	9209	9088	9088
15°	9101	8904	8832
20°	8959	8646	8543
25°	8795	8394	8209
30°	8591	8099	7841
35°	8383	7794	7427
40°	8189	7476	7021
45°	7950	7119	6577
50°	7713	6734	6115
55°	7438	6365	5623
60°	7160	5916	5090
65°	6834	5396	4481
70°	6462	4741	3865
75°	5945	3998	3219
80°	5236	3144	2706
85°	4409	2575	2412



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	4.0
10°-20°	256.0	11.1
20°-30°	371.3	16.1
30°-40°	423.0	18.4
40°-50°	412.3	17.9
50°-60°	347.0	15.1
60°-70°	243.1	10.6
70°-80°	124.7	5.4
80°-90°	31.1	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°	718.9	31.3
0°-40°	1141.9	49.6
0°-60°	1901.1	82.7
0°-90°	2300.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2300.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	974	974	974	974	974	
5°	972	969	961	968	967	92
15°	924	920	904	904	897	261
25°	838	827	800	790	782	386
35°	722	704	671	650	640	452
45°	591	570	529	500	489	456
55°	449	425	384	351	339	401
65°	304	279	240	210	199	301
75°	162	140	109	93	88	171
85°	40	27	24	23	22	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	973.5	973.5	973.5	973.5	973.5
2.5°	975.7	973.5	966.2	973.5	972.7
5°	972.0	969.2	961.0	968.2	966.7
7.5°	964.7	961.7	952.1	958.0	956.6
10°	953.6	951.4	941.1	943.4	941.1
12.5°	941.1	938.1	923.4	924.9	921.3
15°	924.3	919.8	904.3	903.6	897.0
17.5°	906.6	900.0	881.5	877.9	872.8
20°	885.2	877.9	854.3	850.7	844.1
22.5°	861.7	854.3	829.5	821.3	816.0
25°	838.1	827.1	799.9	790.4	782.3
27.5°	811.8	798.4	769.8	757.4	749.3
30°	782.3	768.4	737.5	720.7	714.0
32.5°	753.5	736.8	705.1	686.0	677.3
35°	722.0	704.4	671.3	650.0	639.7
37.5°	691.9	670.5	636.7	611.8	601.3
40°	659.6	637.5	602.2	574.2	565.5
42.5°	625.6	602.8	566.0	539.7	525.6
45°	591.1	570.0	529.3	500.0	489.0
47.5°	555.0	533.1	492.5	462.5	449.9
50°	521.3	497.0	455.1	424.3	413.3
52.5°	484.5	459.6	420.5	386.7	375.6
55°	448.6	425.0	383.9	350.8	339.1
57.5°	411.8	386.7	347.1	314.6	304.4
60°	376.4	350.8	311.0	278.6	267.6
62.5°	339.1	314.6	274.3	244.8	233.8
65°	303.7	278.6	239.8	210.2	199.1
67.5°	268.3	243.5	205.8	178.0	169.3
70°	232.4	207.3	170.5	147.7	139.0
72.5°	197.1	172.8	139.0	118.4	113.3
75°	161.8	139.7	108.8	92.7	87.6
77.5°	125.6	108.0	82.2	70.0	65.5
80°	95.6	78.0	57.4	50.7	49.4
82.5°	66.1	50.7	38.3	35.9	35.3
85°	40.4	27.1	23.6	22.8	22.1
87.5°	17.0	11.7	11.0	11.0	10.2
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)