

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: P888168

Luminaire Tested: **DPT5-6FO36-61V60-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: P888168
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: DPT5-6FO36-61V60-A-XX-UDD_5000K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

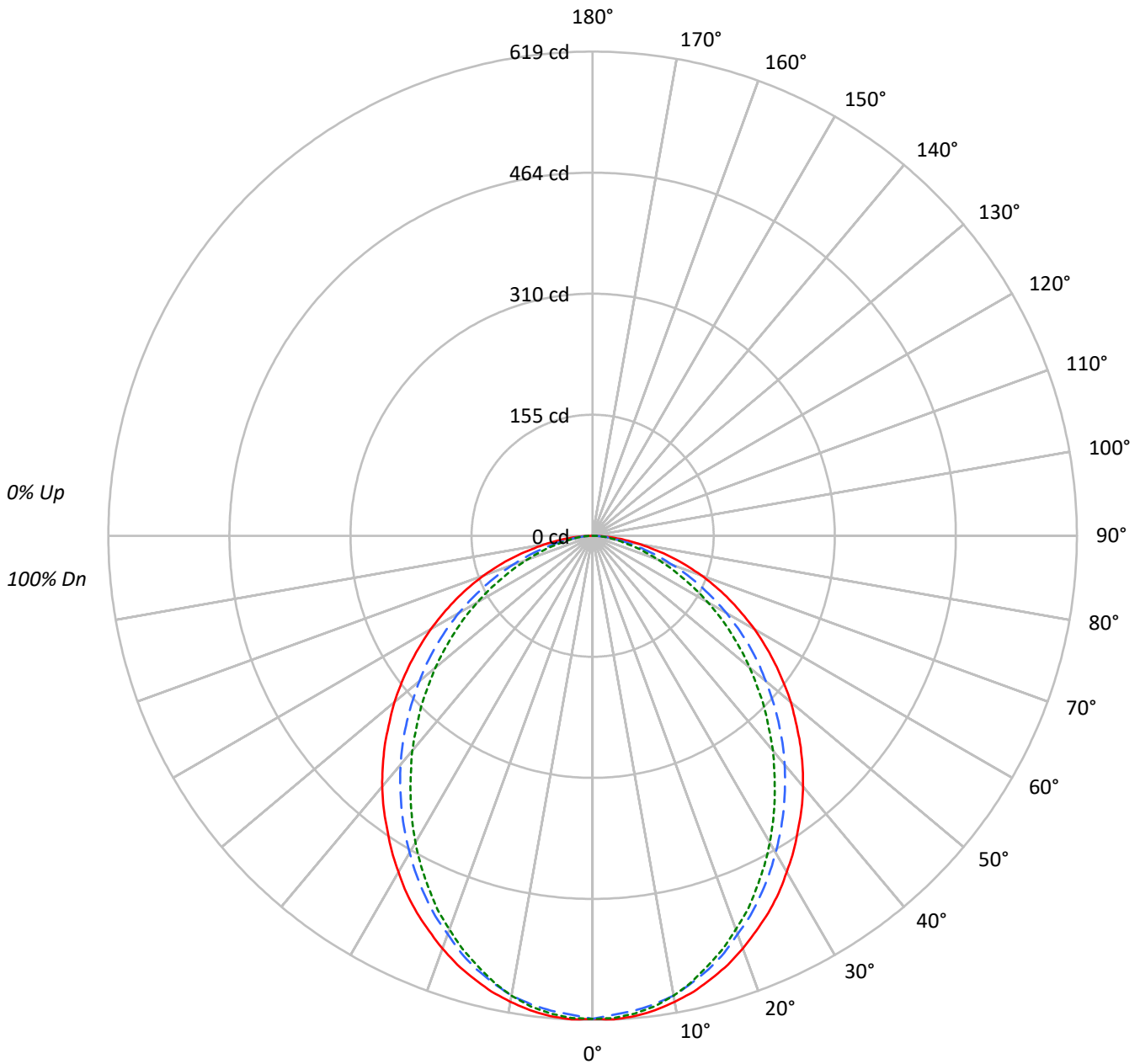
Lumens per Lamp: N/A
Luminaire Lumens: 1459.0 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.9' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 14.4
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°	5874	5874	5874
5°	5887	5820	5854
10°	5842	5765	5765
15°	5773	5648	5602
20°	5683	5485	5420
25°	5580	5325	5208
30°	5450	5137	4974
35°	5317	4944	4711
40°	5194	4743	4453
45°	5044	4516	4172
50°	4893	4272	3878
55°	4719	4038	3567
60°	4542	3753	3228
65°	4336	3423	2842
70°	4099	3006	2453
75°	3770	2535	2039
80°	3319	1994	1714
85°	2794	1637	1528



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.1	4.0
10°-20°	162.4	11.1
20°-30°	235.5	16.1
30°-40°	268.3	18.4
40°-50°	261.5	17.9
50°-60°	220.1	15.1
60°-70°	154.2	10.6
70°-80°	79.1	5.4
80°-90°	19.7	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°	456.0	31.3
0°-40°	724.4	49.6
0°-60°	1206.0	82.7
0°-90°	1459.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1459.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	618	618	618	618	618	
5°	617	615	610	614	613	58
15°	586	584	574	573	569	165
25°	532	525	507	501	496	245
35°	458	447	426	412	406	287
45°	375	362	336	317	310	289
55°	285	270	244	222	215	254
65°	193	177	152	133	126	191
75°	103	89	69	59	56	108
85°	26	17	15	14	14	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	617.6	617.6	617.6	617.6	617.6
2.5°	618.9	617.6	612.9	617.6	617.0
5°	616.6	614.8	609.6	614.2	613.2
7.5°	611.9	610.0	604.0	607.7	606.8
10°	604.9	603.5	597.0	598.4	597.0
12.5°	597.0	595.1	585.7	586.7	584.4
15°	586.3	583.5	573.6	573.2	569.0
17.5°	575.1	570.9	559.2	556.9	553.6
20°	561.5	556.9	541.9	539.6	535.5
22.5°	546.6	541.9	526.2	521.0	517.6
25°	531.7	524.6	507.4	501.4	496.3
27.5°	515.0	506.5	488.3	480.4	475.3
30°	496.3	487.4	467.8	457.2	452.9
32.5°	478.0	467.4	447.3	435.2	429.6
35°	458.0	446.9	425.8	412.3	405.8
37.5°	438.9	425.3	403.9	388.1	381.5
40°	418.4	404.4	382.0	364.2	358.7
42.5°	396.9	382.4	359.0	342.4	333.4
45°	375.0	361.6	335.8	317.2	310.2
47.5°	352.0	338.2	312.4	293.4	285.4
50°	330.7	315.3	288.7	269.2	262.1
52.5°	307.3	291.6	266.7	245.3	238.3
55°	284.6	269.6	243.5	222.5	215.1
57.5°	261.2	245.3	220.2	199.6	193.1
60°	238.8	222.5	197.3	176.8	169.7
62.5°	215.1	199.6	174.0	155.3	148.3
65°	192.7	176.8	152.1	133.3	126.3
67.5°	170.2	154.4	130.6	112.9	107.4
70°	147.4	131.5	108.1	93.7	88.2
72.5°	125.0	109.6	88.2	75.1	71.9
75°	102.6	88.6	69.0	58.8	55.5
77.5°	79.7	68.5	52.2	44.4	41.5
80°	60.6	49.5	36.4	32.2	31.3
82.5°	42.0	32.2	24.3	22.8	22.4
85°	25.6	17.2	15.0	14.4	14.0
87.5°	10.8	7.4	7.0	7.0	6.5
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)