

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: P888110

Luminaire Tested: **DPT5-4F029-61V60-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: P888110
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: DPT5-4F029-61V60-A-XX-UDD_3500K
Description: 5in Define Recessed Patient with Asymmetric Lens

Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

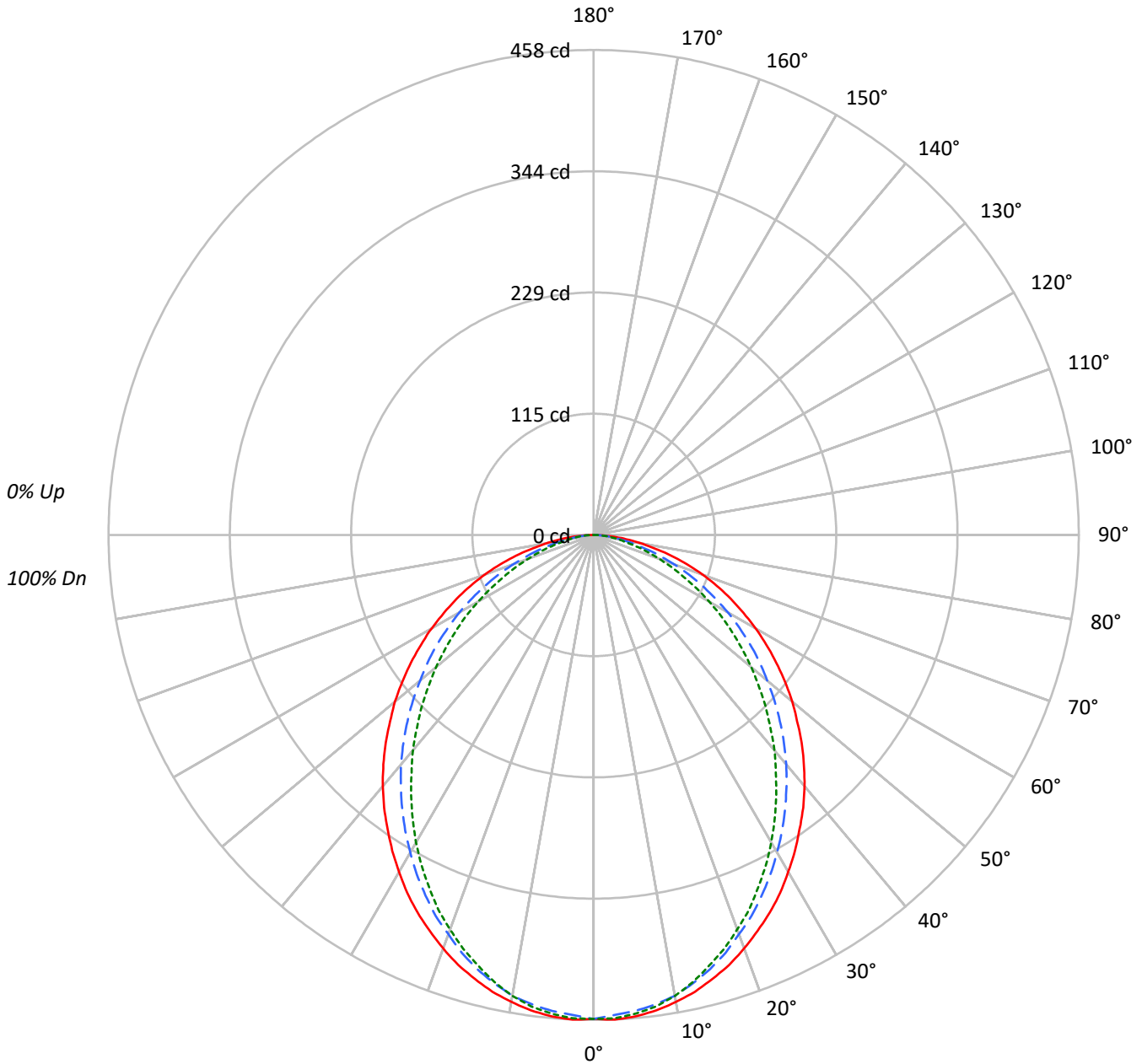
Lumens per Lamp: N/A
Luminaire Lumens: 1080.0 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.11 / 1.25
Luminous Opening: Rectangular (W 2.31' x L: 0.39' x H: 0')
CIE Type: Direct

Input Watts (W): 11.5
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°	5444	5444	5444
5°	5456	5395	5426
10°	5415	5344	5344
15°	5351	5235	5193
20°	5267	5085	5024
25°	5171	4936	4828
30°	5052	4762	4611
35°	4929	4583	4367
40°	4815	4397	4128
45°	4676	4187	3867
50°	4536	3959	3596
55°	4373	3744	3306
60°	4211	3478	2994
65°	4019	3173	2635
70°	3799	2789	2274
75°	3497	2351	1891
80°	3079	1852	1591
85°	2596	1517	1421



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.0	4.0
10°-20°	120.2	11.1
20°-30°	174.3	16.1
30°-40°	198.6	18.4
40°-50°	193.6	17.9
50°-60°	162.9	15.1
60°-70°	114.2	10.6
70°-80°	58.5	5.4
80°-90°	14.6	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°	337.6	31.3
0°-40°	536.2	49.6
0°-60°	892.7	82.7
0°-90°	1080.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1080.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	457	457	457	457	457	
5°	456	455	451	455	454	43
15°	434	432	425	424	421	122
25°	394	388	376	371	367	181
35°	339	331	315	305	300	212
45°	278	268	249	235	230	214
55°	211	200	180	165	159	188
65°	143	131	113	99	94	141
75°	76	66	51	44	41	80
85°	19	13	11	11	10	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	457.1	457.1	457.1	457.1	457.1
2.5°	458.2	457.1	453.7	457.1	456.8
5°	456.4	455.1	451.3	454.6	453.9
7.5°	453.0	451.6	447.1	449.8	449.2
10°	447.8	446.8	441.9	443.0	441.9
12.5°	441.9	440.5	433.6	434.3	432.6
15°	434.0	431.9	424.6	424.3	421.2
17.5°	425.7	422.6	413.9	412.2	409.8
20°	415.6	412.2	401.2	399.4	396.4
22.5°	404.6	401.2	389.5	385.7	383.2
25°	393.5	388.4	375.6	371.1	367.4
27.5°	381.2	374.9	361.5	355.6	351.9
30°	367.4	360.8	346.3	338.4	335.3
32.5°	353.8	346.0	331.1	322.1	318.0
35°	339.0	330.8	315.2	305.2	300.4
37.5°	324.9	314.8	299.0	287.3	282.4
40°	309.7	299.3	282.8	269.6	265.5
42.5°	293.8	283.1	265.8	253.4	246.8
45°	277.6	267.6	248.6	234.8	229.6
47.5°	260.6	250.3	231.3	217.2	211.3
50°	244.8	233.4	213.7	199.2	194.1
52.5°	227.5	215.8	197.4	181.6	176.4
55°	210.6	199.6	180.3	164.7	159.2
57.5°	193.3	181.6	163.0	147.7	142.9
60°	176.8	164.7	146.0	130.8	125.7
62.5°	159.2	147.7	128.8	115.0	109.8
65°	142.6	130.8	112.6	98.7	93.5
67.5°	126.0	114.3	96.6	83.6	79.5
70°	109.1	97.3	80.1	69.4	65.3
72.5°	92.5	81.1	65.3	55.6	53.2
75°	76.0	65.6	51.1	43.5	41.1
77.5°	59.0	50.7	38.6	32.9	30.7
80°	44.9	36.6	27.0	23.8	23.2
82.5°	31.1	23.8	18.0	16.8	16.6
85°	19.0	12.7	11.1	10.7	10.4
87.5°	8.0	5.5	5.2	5.2	4.8
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)