

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P743712

Luminaire Tested: LD4D15D010-EU4DR700215IC9024-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P743712
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D15D010-EU4DR700215IC9024-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1241.7 lumens
Efficiency: N/A
Efficacy: 78.6 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (Ain): 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: 24 FT



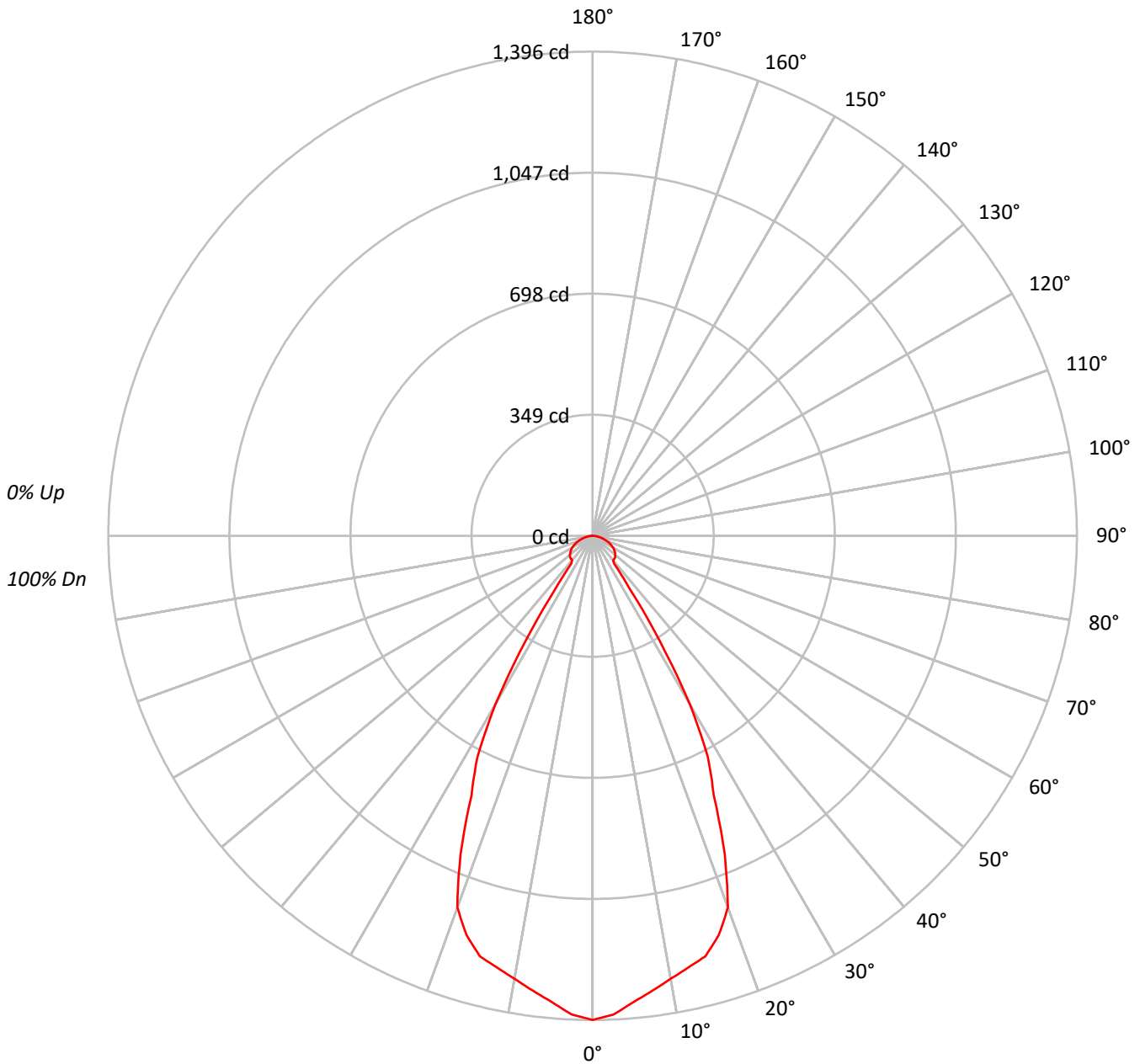
Downlight



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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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	152539
5°	148000
10°	143875
15°	141982
20°	132586
25°	99603
30°	70412
35°	24943
40°	13122
45°	13968
50°	14465
55°	14725
60°	14816
65°	14504
70°	13705
75°	12707
80°	11263
85°	9151

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 14824 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.3	10.3
10°-20°	349.1	28.1
20°-30°	384.5	31.0
30°-40°	146.9	11.8
40°-50°	69.4	5.6
50°-60°	68.9	5.6
60°-70°	55.2	4.4
70°-80°	31.8	2.6
80°-90°	8.6	0.7
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°	860.9	69.3
0°-40°	1007.8	81.2
0°-60°	1146.1	92.3
0°-90°	1241.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1241.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1396	
5°	1349	127
15°	1255	349
25°	826	385
35°	187	147
45°	90	69
55°	77	69
65°	56	55
75°	30	32
85°	7	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1396.1
2.5°	1381.4
5°	1349.4
7.5°	1322.7
10°	1296.8
12.5°	1274.9
15°	1255.2
17.5°	1207.7
20°	1140.3
22.5°	994.9
25°	826.2
27.5°	719.2
30°	558.1
32.5°	360.5
35°	187.0
37.5°	101.0
40°	92.0
42.5°	91.3
45°	90.4
47.5°	88.4
50°	85.1
52.5°	81.4
55°	77.3
57.5°	72.9
60°	67.8
62.5°	62.1
65°	56.1
67.5°	49.5
70°	42.9
72.5°	36.3
75°	30.1
77.5°	23.7
80°	17.9
82.5°	12.6
85°	7.3
87.5°	2.9
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)