

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: P743738

Luminaire Tested: LD4D15D010-EU4DR700215IC9030-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P743738
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-EU4DR700215IC9030-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1423.2 lumens
Efficiency: N/A
Efficacy: 90.1 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



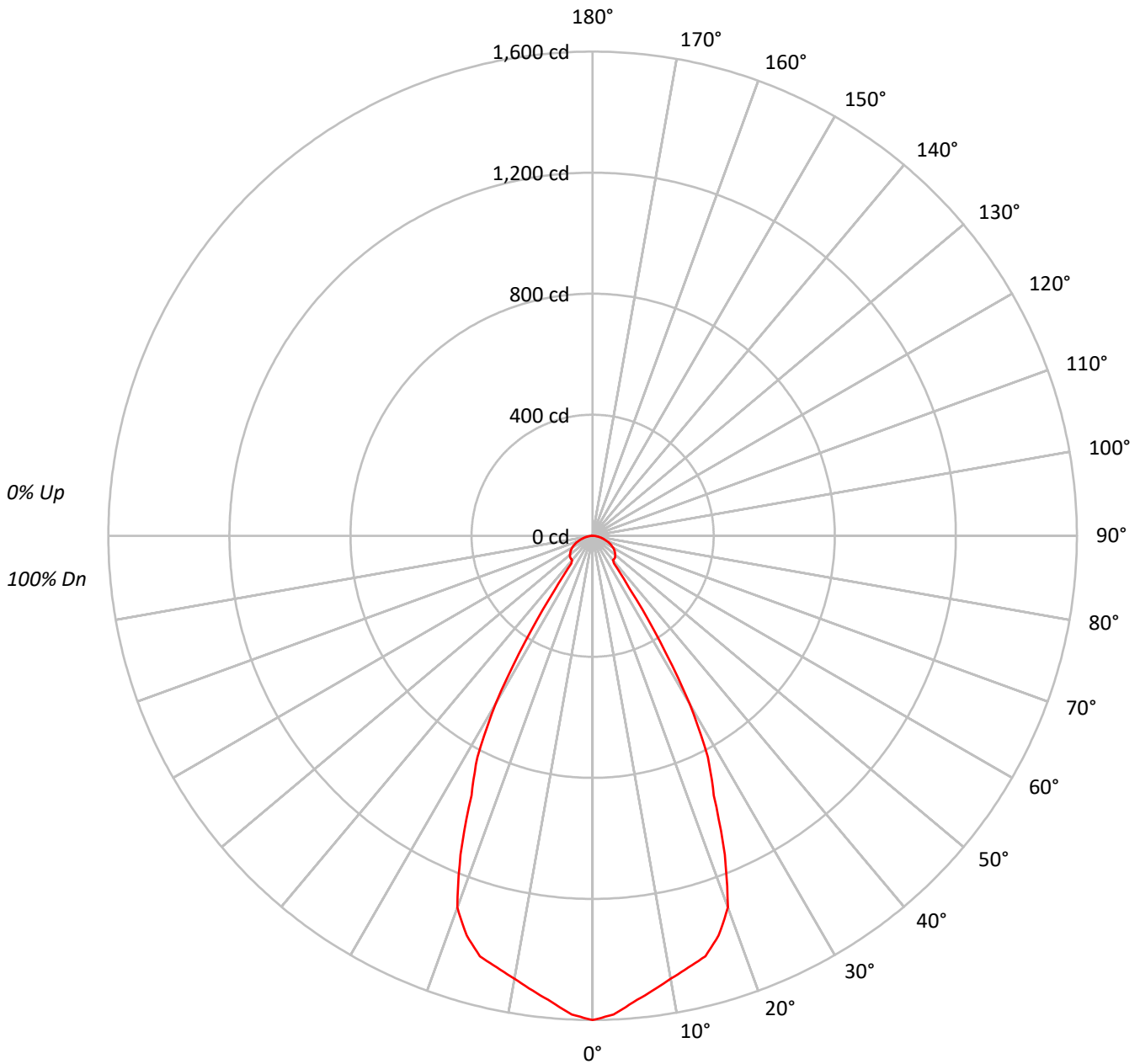
Downlight



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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°	174839
5°	169639
10°	164911
15°	162750
20°	151969
25°	114166
30°	80707
35°	28584
40°	15033
45°	16008
50°	16573
55°	16896
60°	17001
65°	16624
70°	15717
75°	14522
80°	12899
85°	10530

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 17001 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.9	10.3
10°-20°	400.2	28.1
20°-30°	440.7	31.0
30°-40°	168.4	11.8
40°-50°	79.5	5.6
50°-60°	79.0	5.6
60°-70°	63.3	4.4
70°-80°	36.3	2.6
80°-90°	9.9	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°	986.8	69.3
0°-40°	1155.2	81.2
0°-60°	1313.7	92.3
0°-90°	1423.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1423.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1600	
5°	1547	146
15°	1439	400
25°	947	441
35°	214	168
45°	104	80
55°	89	79
65°	64	63
75°	34	36
85°	8	10
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1600.2
2.5°	1583.5
5°	1546.7
7.5°	1516.1
10°	1486.4
12.5°	1461.3
15°	1438.8
17.5°	1384.3
20°	1307.0
22.5°	1140.3
25°	947.0
27.5°	824.4
30°	639.7
32.5°	413.2
35°	214.3
37.5°	115.8
40°	105.4
42.5°	104.6
45°	103.6
47.5°	101.4
50°	97.5
52.5°	93.2
55°	88.7
57.5°	83.6
60°	77.8
62.5°	71.2
65°	64.3
67.5°	56.8
70°	49.2
72.5°	41.5
75°	34.4
77.5°	27.1
80°	20.5
82.5°	14.4
85°	8.4
87.5°	3.3
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)