

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: P743564

Luminaire Tested: LD4D15D010-EU4DR600215IC9024-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P743564
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D15D010-EU4DR600215IC9024-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1233.6 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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



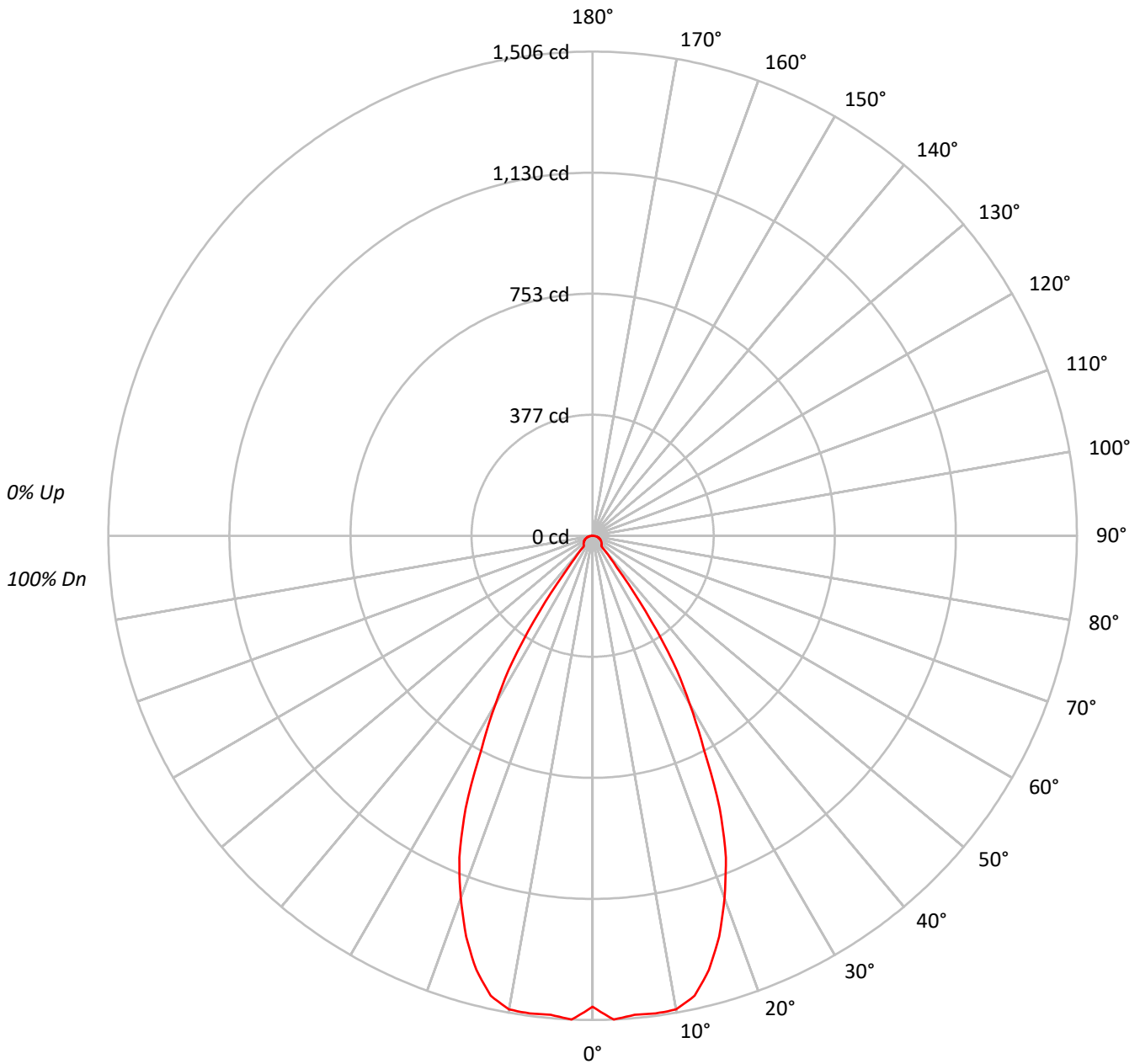
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	160078
5°	164013
10°	165987
15°	158124
20°	139423
25°	112768
30°	76278
35°	38227
40°	6204
45°	6073
50°	6187
55°	6286
60°	6468
65°	6618
70°	6741
75°	6839
80°	6607
85°	5516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 6839 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.9	11.6
10°-20°	386.7	31.3
20°-30°	416.0	33.7
30°-40°	180.9	14.7
40°-50°	30.4	2.5
50°-60°	29.5	2.4
60°-70°	25.3	2.0
70°-80°	16.9	1.4
80°-90°	5.0	0.4
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°	945.6	76.7
0°-40°	1126.5	91.3
0°-60°	1186.4	96.2
0°-90°	1233.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1233.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1465	
5°	1495	143
15°	1398	387
25°	935	416
35°	287	181
45°	39	30
55°	33	30
65°	26	25
75°	16	17
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1465.1
2.5°	1506.3
5°	1495.4
7.5°	1498.8
10°	1496.1
12.5°	1465.3
15°	1397.9
17.5°	1307.6
20°	1199.1
22.5°	1083.0
25°	935.4
27.5°	748.2
30°	604.6
32.5°	466.0
35°	286.6
37.5°	122.6
40°	43.5
42.5°	40.0
45°	39.3
47.5°	37.9
50°	36.4
52.5°	34.7
55°	33.0
57.5°	31.3
60°	29.6
62.5°	27.7
65°	25.6
67.5°	23.4
70°	21.1
72.5°	18.7
75°	16.2
77.5°	13.3
80°	10.5
82.5°	7.4
85°	4.4
87.5°	1.5
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)