

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: P756642

Luminaire Tested: LD4D95BD010-EU4DR6070959050-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756642
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: LD4D95BD010-EU4DR6070959050-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9405.4 lumens
Efficiency: N/A
Efficacy: 94.8 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): 99.2
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: 24 FT

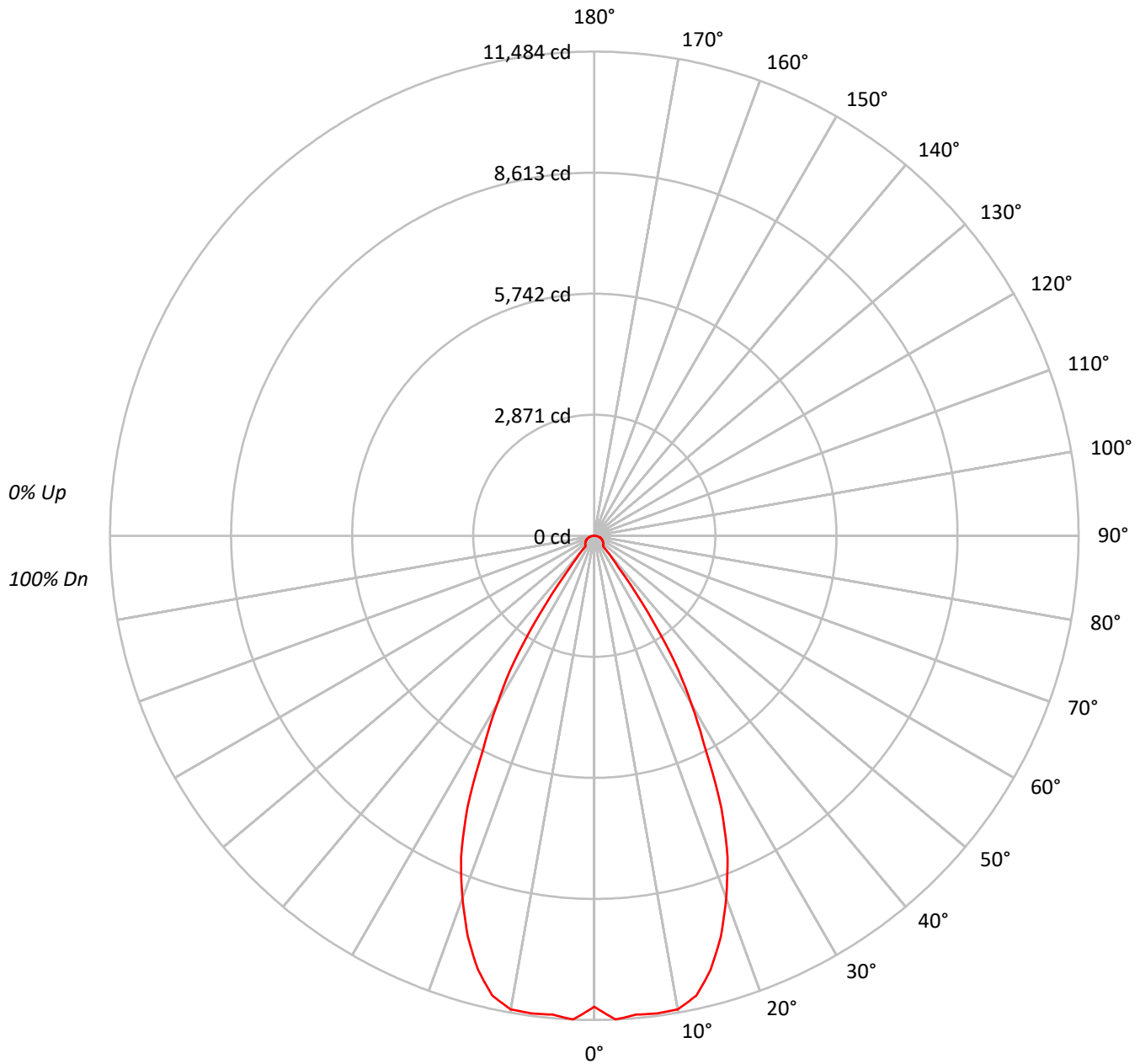


Downlight

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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1220443
5°	1250451
10°	1265553
15°	1205614
20°	1062978
25°	859769
30°	581563
35°	291428
40°	47268
45°	46278
50°	47203
55°	47908
60°	49233
65°	50362
70°	51560
75°	52178
80°	50337
85°	41871

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 52178 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1089.7	11.6
10°-20°	2948.1	31.3
20°-30°	3172.0	33.7
30°-40°	1378.8	14.7
40°-50°	231.6	2.5
50°-60°	225.2	2.4
60°-70°	192.6	2.0
70°-80°	128.9	1.4
80°-90°	38.5	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°	7209.8	76.7
0°-40°	8588.5	91.3
0°-60°	9045.3	96.2
0°-90°	9405.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9405.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11170	
5°	11401	###
15°	10658	2948
25°	7132	3172
35°	2185	1379
45°	300	232
55°	252	225
65°	195	193
75°	124	129
85°	33	39
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11170.0
2.5°	11484.0
5°	11401.1
7.5°	11427.3
10°	11406.9
12.5°	11171.4
15°	10658.3
17.5°	9969.2
20°	9142.1
22.5°	8256.8
25°	7131.7
27.5°	5704.2
30°	4609.6
32.5°	3552.8
35°	2184.9
37.5°	934.7
40°	331.4
42.5°	305.3
45°	299.5
47.5°	289.3
50°	277.7
52.5°	264.6
55°	251.5
57.5°	238.4
60°	225.3
62.5°	210.8
65°	194.8
67.5°	178.8
70°	161.4
72.5°	142.5
75°	123.6
77.5°	101.8
80°	80.0
82.5°	56.7
85°	33.4
87.5°	11.6
90°	0.0



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

Scaled Data Report





— 0°-180°







(END OF REPORT)