

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: P753536

Luminaire Tested: LD4D75BD010-EU4DR6570959024-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753536
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR6570959024-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5652.0 lumens
Efficiency: N/A
Efficacy: 78.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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

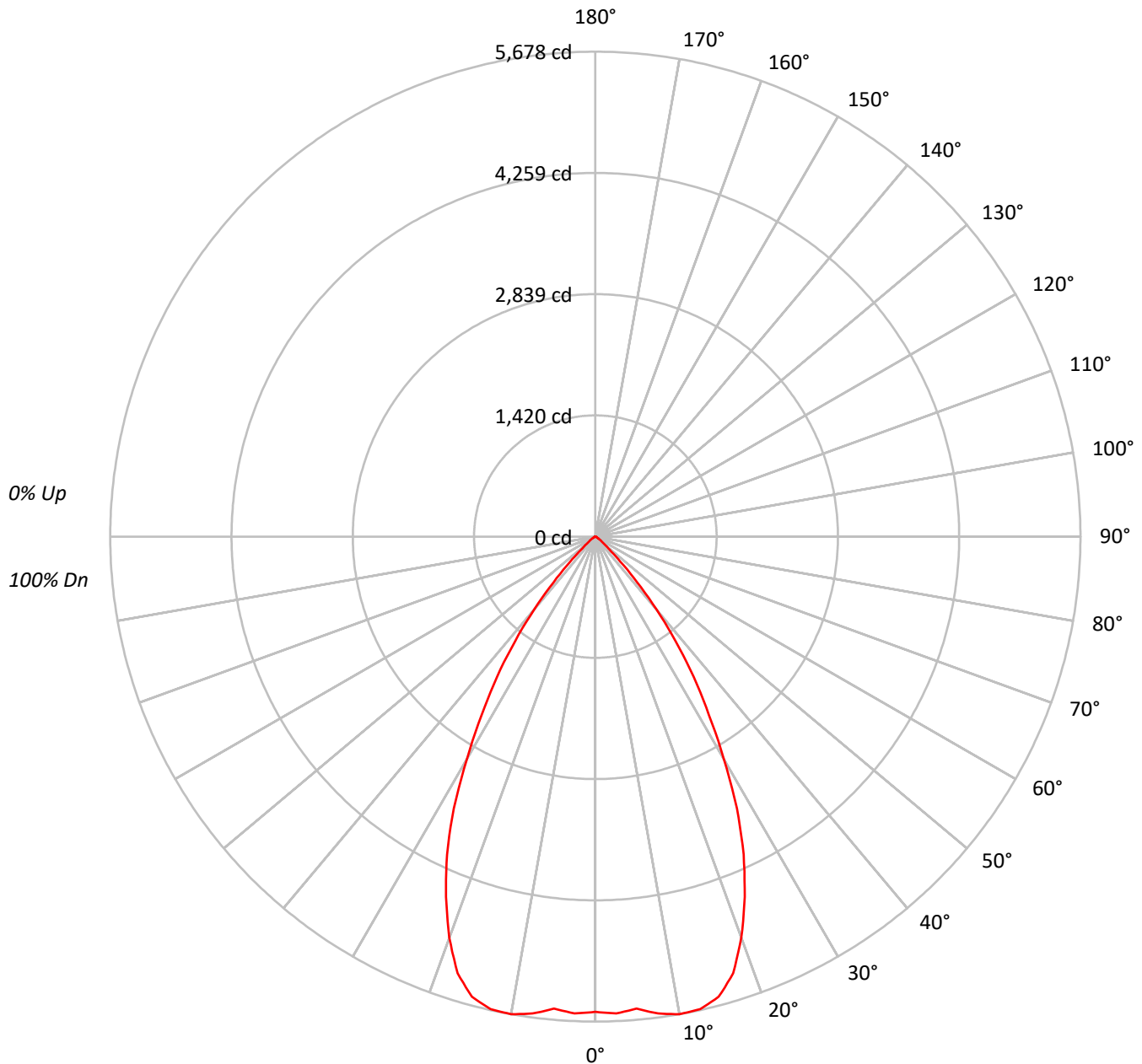


Downlight

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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
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	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	608014
5°	608516
10°	629942
15°	630990
20°	580934
25°	494978
30°	378919
35°	267699
40°	158020
45°	64156
50°	23253
55°	12953
60°	7430
65°	4085
70°	4281
75°	3335
80°	3461
85°	3009

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 64156 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	535.8	9.5
10°-20°	1545.7	27.3
20°-30°	1854.5	32.8
30°-40°	1246.3	22.1
40°-50°	373.1	6.6
50°-60°	65.8	1.2
60°-70°	18.7	0.3
70°-80°	9.2	0.2
80°-90°	2.9	0.1
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°	3936.0	69.6
0°-40°	5182.3	91.7
0°-60°	5621.2	99.5
0°-90°	5652.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5652.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5565	
5°	5548	536
15°	5578	1546
25°	4106	1855
35°	2007	1246
45°	415	373
55°	68	66
65°	16	19
75°	8	9
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5564.8
2.5°	5588.6
5°	5548.2
7.5°	5632.1
10°	5677.9
12.5°	5666.9
15°	5578.3
17.5°	5361.6
20°	4996.3
22.5°	4566.1
25°	4105.8
27.5°	3586.3
30°	3003.4
32.5°	2475.2
35°	2007.0
37.5°	1544.4
40°	1107.9
42.5°	723.6
45°	415.2
47.5°	219.8
50°	136.8
52.5°	94.9
55°	68.0
57.5°	49.0
60°	34.0
62.5°	22.1
65°	15.8
67.5°	14.2
70°	13.4
72.5°	10.3
75°	7.9
77.5°	7.1
80°	5.5
82.5°	4.0
85°	2.4
87.5°	1.6
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)