

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: P753599

Luminaire Tested: LD4D75BD010-EU4DR6570959050-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753599
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-EU4DR6570959050-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4985.1 lumens
Efficiency: N/A
Efficacy: 68.9 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

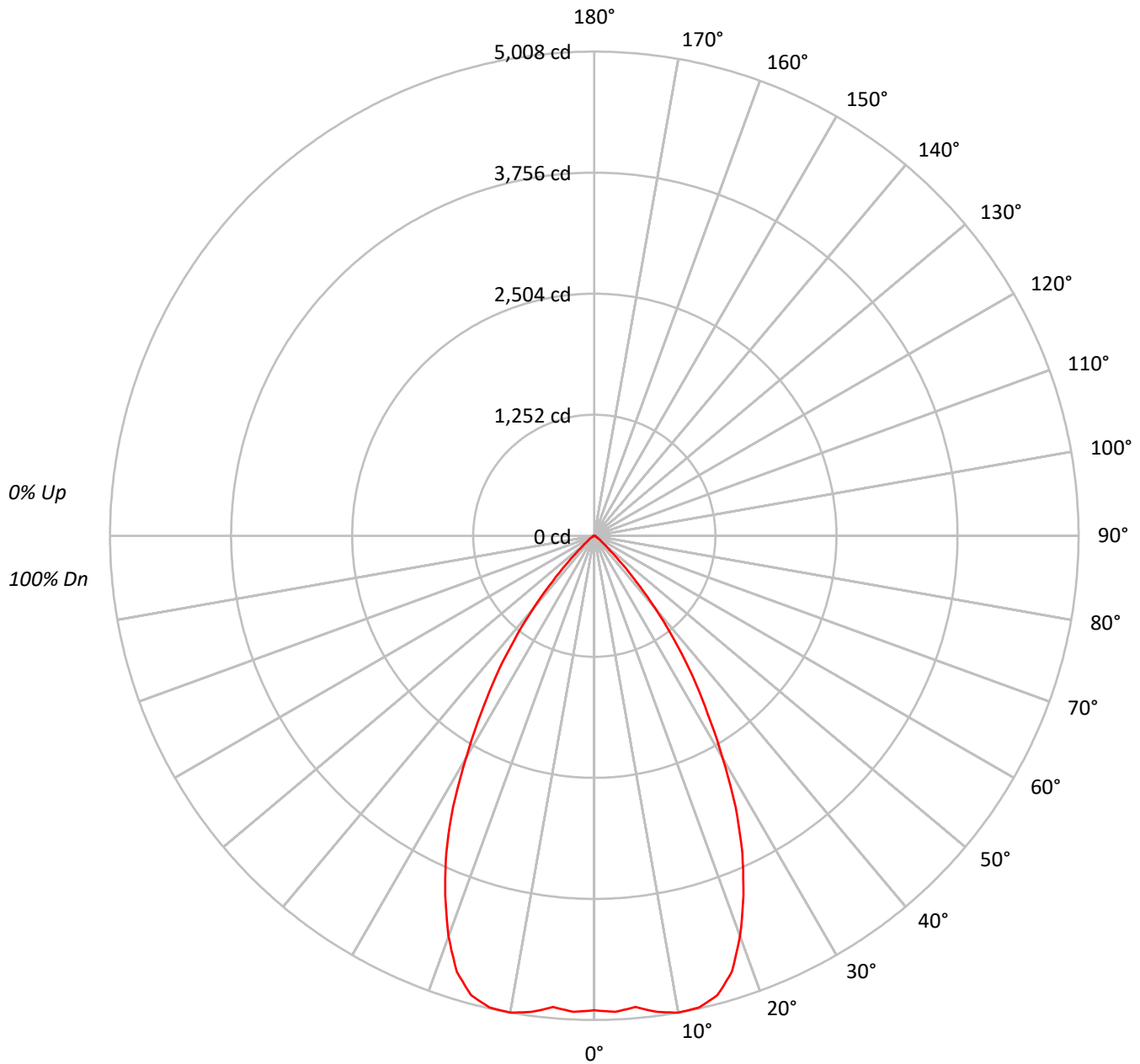


Downlight

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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°	536263
5°	536710
10°	555608
15°	556526
20°	512380
25°	436569
30°	334207
35°	236114
40°	139378
45°	56585
50°	20517
55°	11429
60°	6556
65°	3594
70°	3802
75°	2955
80°	3083
85°	2633

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 56585 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	472.6	9.5
10°-20°	1363.3	27.3
20°-30°	1635.7	32.8
30°-40°	1099.2	22.1
40°-50°	329.1	6.6
50°-60°	58.1	1.2
60°-70°	16.5	0.3
70°-80°	8.1	0.2
80°-90°	2.6	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°	3471.6	69.6
0°-40°	4570.8	91.7
0°-60°	4957.9	99.5
0°-90°	4985.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4985.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4908	
5°	4894	473
15°	4920	1363
25°	3621	1636
35°	1770	1099
45°	366	329
55°	60	58
65°	14	17
75°	7	8
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4908.1
2.5°	4929.1
5°	4893.5
7.5°	4967.4
10°	5007.9
12.5°	4998.1
15°	4920.0
17.5°	4728.9
20°	4406.7
22.5°	4027.2
25°	3621.3
27.5°	3163.1
30°	2649.0
32.5°	2183.1
35°	1770.2
37.5°	1362.2
40°	977.2
42.5°	638.2
45°	366.2
47.5°	193.9
50°	120.7
52.5°	83.7
55°	60.0
57.5°	43.2
60°	30.0
62.5°	19.5
65°	13.9
67.5°	12.6
70°	11.9
72.5°	9.1
75°	7.0
77.5°	6.3
80°	4.9
82.5°	3.5
85°	2.1
87.5°	1.4
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)