

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: P752756

Luminaire Tested: LD4D70BD010-EU4DR6570959024-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752756
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: LD4D70BD010-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: 5347.5 lumens
Efficiency: N/A
Efficacy: 80.3 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): 66.6
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

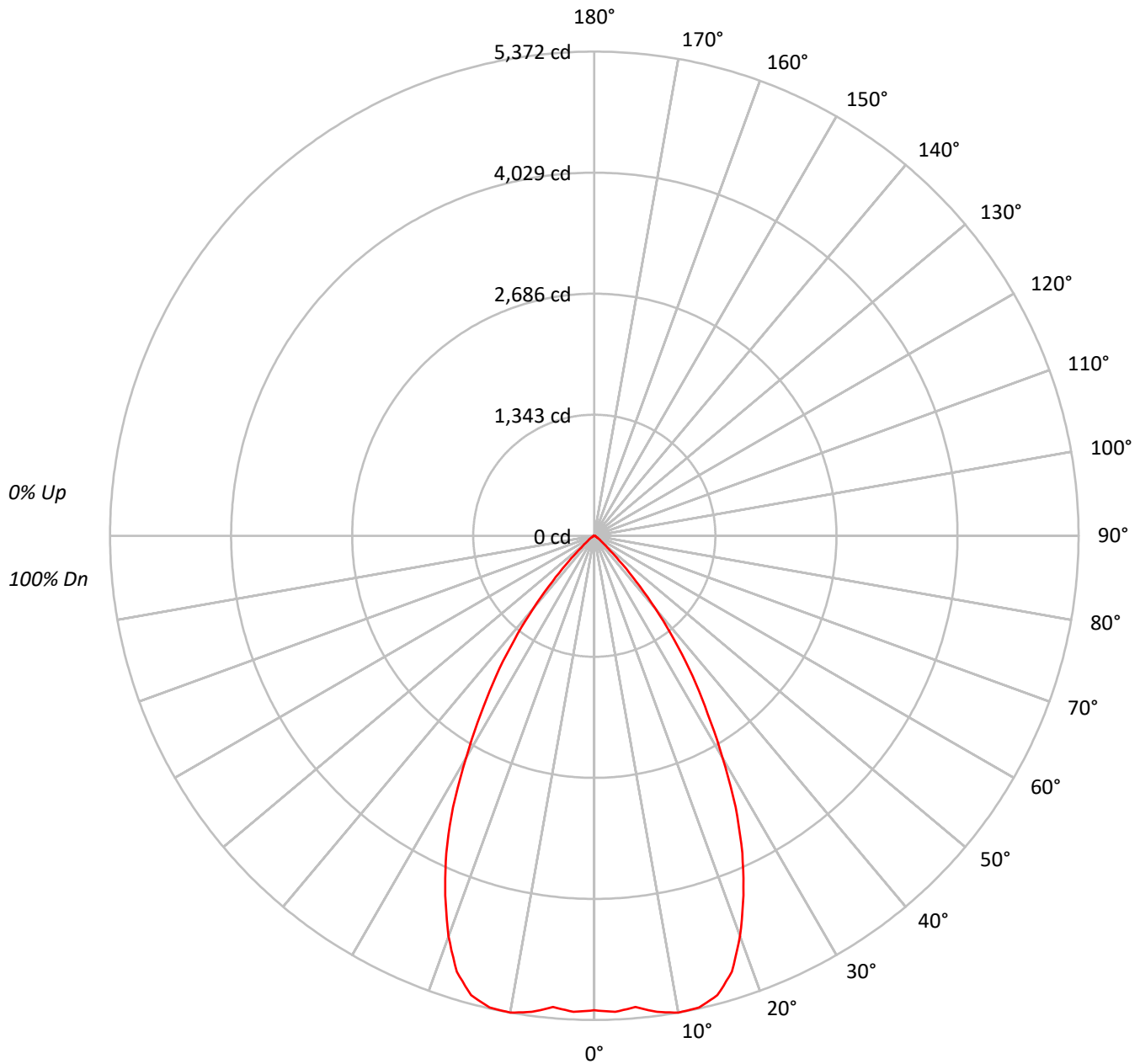


Downlight

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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°	575269
5°	575744
10°	596014
15°	596999
20°	549633
25°	468324
30°	358519
35°	253281
40°	149505
45°	60695
50°	21995
55°	12249
60°	7036
65°	3878
70°	4057
75°	3166
80°	3272
85°	2758

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 60695 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	507.0	9.5
10°-20°	1462.4	27.3
20°-30°	1754.6	32.8
30°-40°	1179.1	22.1
40°-50°	353.0	6.6
50°-60°	62.3	1.2
60°-70°	17.7	0.3
70°-80°	8.7	0.2
80°-90°	2.7	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°	3724.0	69.6
0°-40°	4903.2	91.7
0°-60°	5318.4	99.5
0°-90°	5347.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5347.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5265	
5°	5249	507
15°	5278	1462
25°	3885	1755
35°	1899	1179
45°	393	353
55°	64	62
65°	15	18
75°	8	9
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5265.1
2.5°	5287.5
5°	5249.4
7.5°	5328.7
10°	5372.1
12.5°	5361.6
15°	5277.8
17.5°	5072.8
20°	4727.1
22.5°	4320.1
25°	3884.7
27.5°	3393.1
30°	2841.7
32.5°	2341.9
35°	1898.9
37.5°	1461.2
40°	1048.2
42.5°	684.6
45°	392.8
47.5°	208.0
50°	129.4
52.5°	89.8
55°	64.3
57.5°	46.4
60°	32.2
62.5°	20.9
65°	15.0
67.5°	13.5
70°	12.7
72.5°	9.7
75°	7.5
77.5°	6.7
80°	5.2
82.5°	3.7
85°	2.2
87.5°	1.5
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)