

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: P752767

Luminaire Tested: LD4D70BD010-EU4DR6570959027-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752767
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-EU4DR6570959027-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4297.4 lumens
Efficiency: N/A
Efficacy: 64.5 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

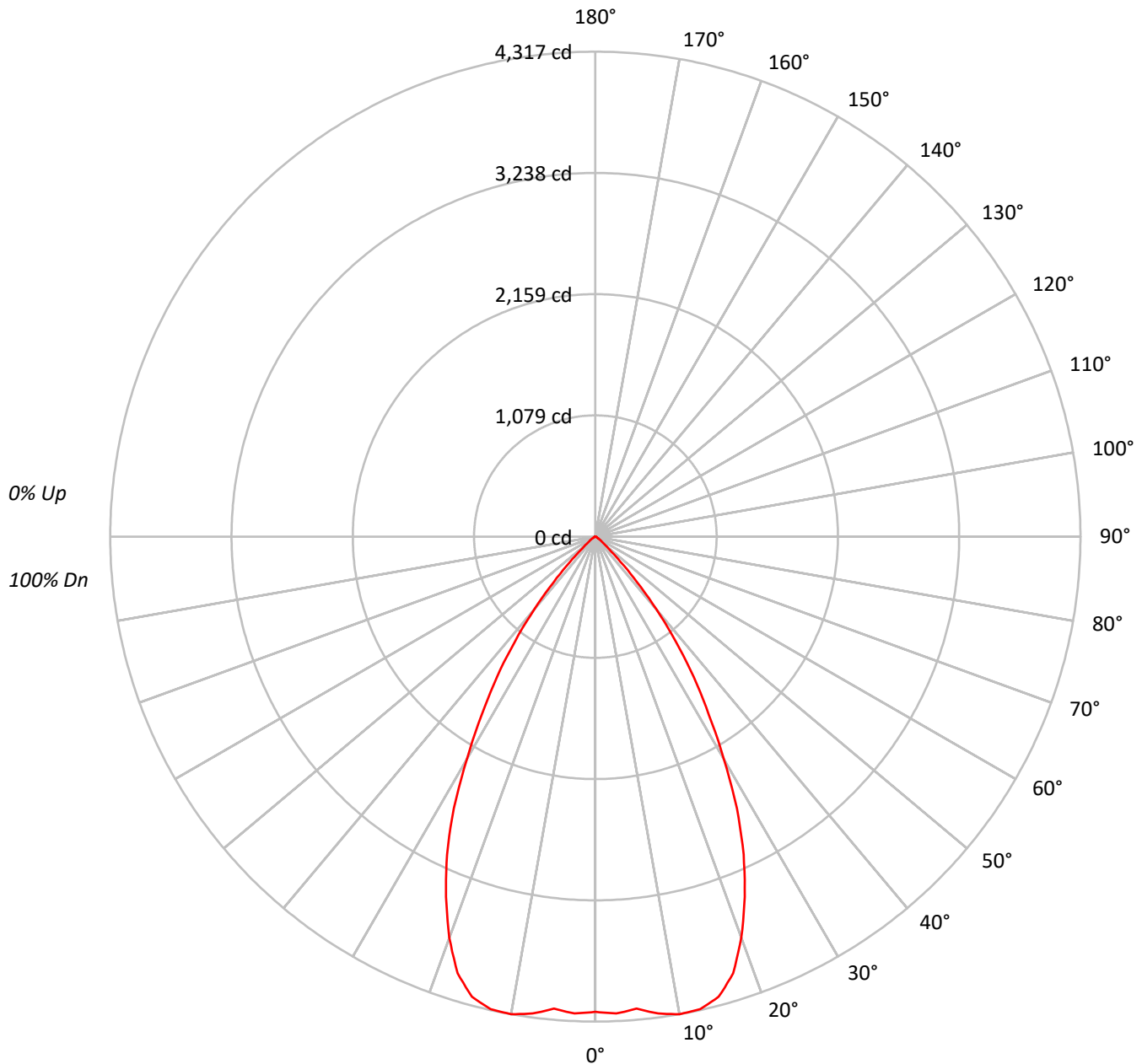


Downlight

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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°	462293
5°	462677
10°	478966
15°	479755
20°	441697
25°	376351
30°	288107
35°	203542
40°	120151
45°	48781
50°	17678
55°	9848
60°	5660
65°	3102
70°	3258
75°	2533
80°	2643
85°	2257

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 48781 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	407.4	9.5
10°-20°	1175.2	27.3
20°-30°	1410.0	32.8
30°-40°	947.6	22.1
40°-50°	283.7	6.6
50°-60°	50.1	1.2
60°-70°	14.2	0.3
70°-80°	7.0	0.2
80°-90°	2.2	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°	2992.7	69.6
0°-40°	3940.3	91.7
0°-60°	4274.1	99.5
0°-90°	4297.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4297.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4231	
5°	4218	407
15°	4241	1175
25°	3122	1410
35°	1526	948
45°	316	284
55°	52	50
65°	12	14
75°	6	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4231.1
2.5°	4249.2
5°	4218.5
7.5°	4282.2
10°	4317.1
12.5°	4308.7
15°	4241.3
17.5°	4076.6
20°	3798.8
22.5°	3471.7
25°	3121.8
27.5°	2726.7
30°	2283.6
32.5°	1882.0
35°	1526.0
37.5°	1174.3
40°	842.4
42.5°	550.2
45°	315.7
47.5°	167.2
50°	104.0
52.5°	72.2
55°	51.7
57.5°	37.3
60°	25.9
62.5°	16.8
65°	12.0
67.5°	10.8
70°	10.2
72.5°	7.8
75°	6.0
77.5°	5.4
80°	4.2
82.5°	3.0
85°	1.8
87.5°	1.2
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)