

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: P752754

Luminaire Tested: LD4D70BD010-EU4DR6570959024-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752754
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-EU4DR6570959024-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3793.7 lumens
Efficiency: N/A
Efficacy: 57.0 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

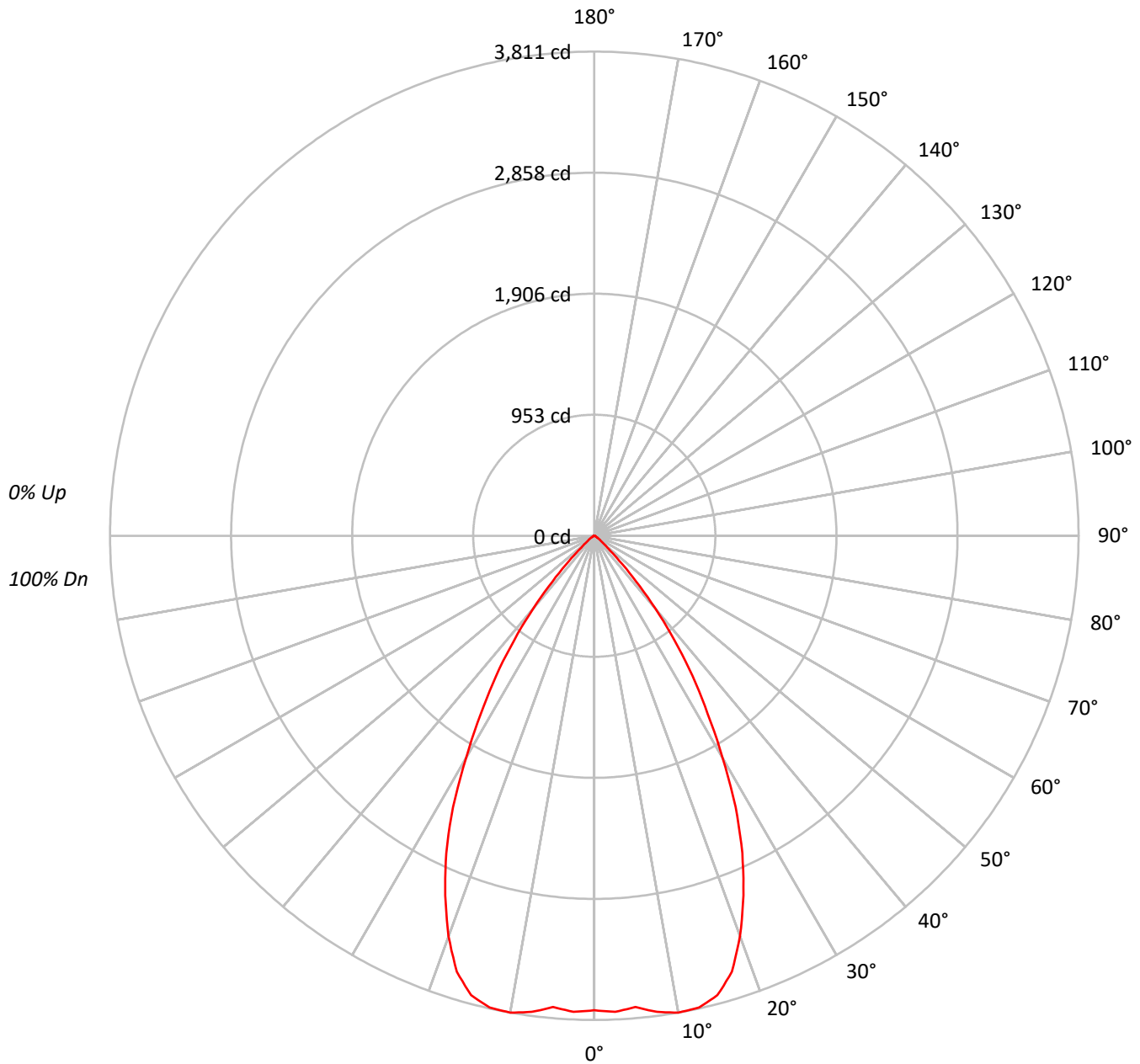


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87		100	94	90	86		92	88	85		89	86	83		87	84	82
4	97	89	84	79		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	83	78	73		90	83	77	73		81	76	72		79	75	72		77	74	71
6	87	78	72	68		86	77	72	68		76	71	67		74	70	67		73	69	66
7	83	73	67	63		81	73	67	63		71	66	62		70	66	62		69	65	62
8	79	69	63	59		77	68	63	59		67	62	58		66	62	58		65	61	58
9	75	65	59	55		74	65	59	55		64	58	55		63	58	55		62	58	54
10	71	61	56	52		70	61	55	52		60	55	51		59	55	51		59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	408111
5°	408441
10°	422827
15°	423525
20°	389921
25°	332240
30°	254333
35°	179680
40°	106060
45°	43064
50°	15604
55°	8686
60°	4982
65°	2740
70°	2875
75°	2237
80°	2328
85°	2006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 43064 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.7	9.5
10°-20°	1037.5	27.3
20°-30°	1244.8	32.8
30°-40°	836.5	22.0
40°-50°	250.4	6.6
50°-60°	44.2	1.2
60°-70°	12.6	0.3
70°-80°	6.2	0.2
80°-90°	2.0	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°	2641.9	69.6
0°-40°	3478.4	91.7
0°-60°	3773.0	99.5
0°-90°	3793.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3793.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3735	
5°	3724	360
15°	3744	1037
25°	2756	1245
35°	1347	837
45°	279	250
55°	46	44
65°	11	13
75°	5	6
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3735.2
2.5°	3751.1
5°	3724.0
7.5°	3780.3
10°	3811.1
12.5°	3803.6
15°	3744.2
17.5°	3598.7
20°	3353.5
22.5°	3064.8
25°	2755.9
27.5°	2407.1
30°	2015.9
32.5°	1661.4
35°	1347.1
37.5°	1036.6
40°	743.6
42.5°	485.7
45°	278.7
47.5°	147.6
50°	91.8
52.5°	63.7
55°	45.6
57.5°	32.9
60°	22.8
62.5°	14.9
65°	10.6
67.5°	9.6
70°	9.0
72.5°	6.9
75°	5.3
77.5°	4.8
80°	3.7
82.5°	2.7
85°	1.6
87.5°	1.1
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)