

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: P751246

Luminaire Tested: LD4D60D010-EU4DR6555659040-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751246
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: LD4D60D010-EU4DR6555659040-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4154.1 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): 64.4
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

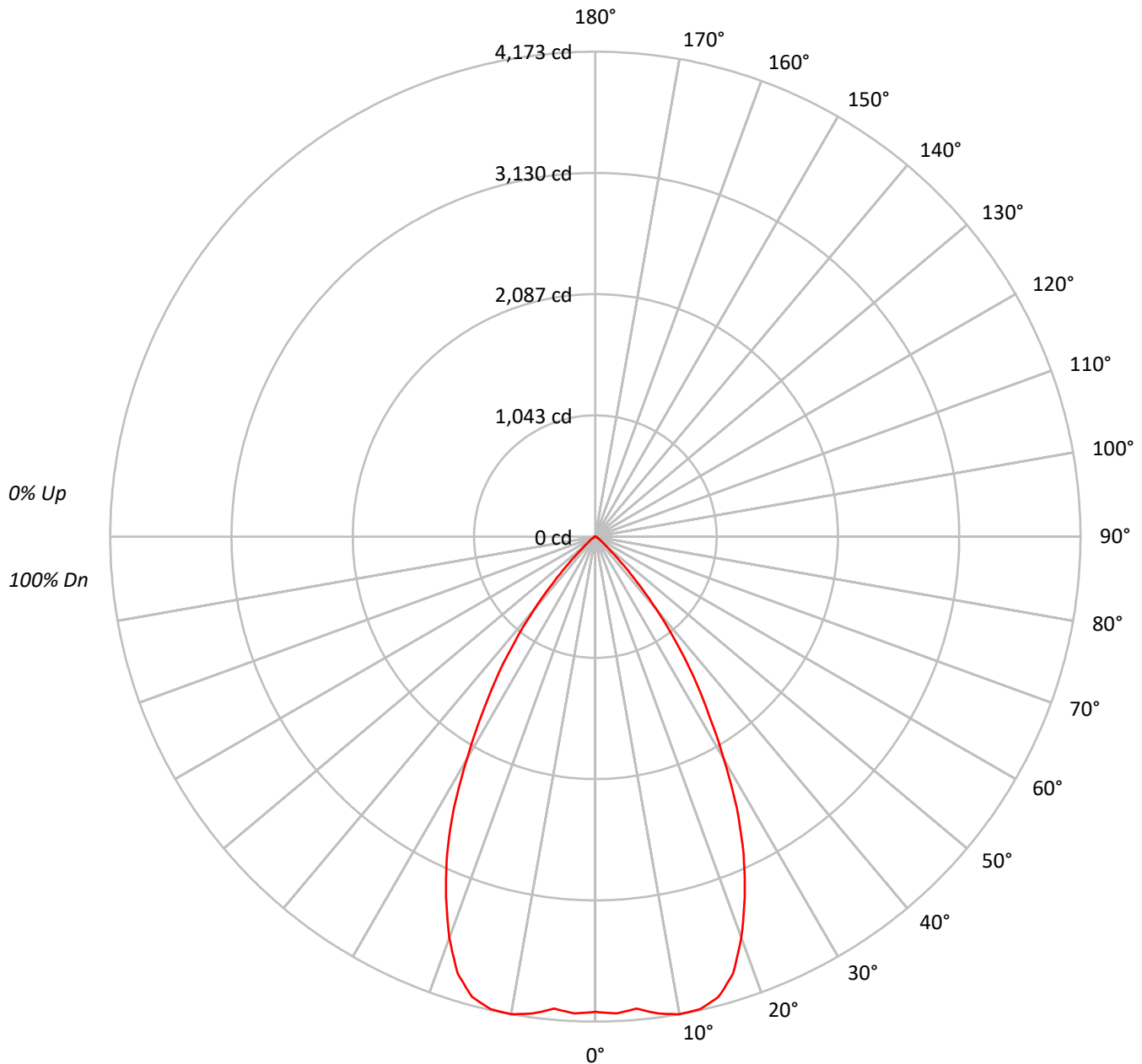


Downlight

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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°	446876
5°	447245
10°	462990
15°	463749
20°	426966
25°	363789
30°	278493
35°	196753
40°	116143
45°	47143
50°	17083
55°	9525
60°	5463
65°	2999
70°	3163
75°	2448
80°	2580
85°	2131

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 47143 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.8	9.5
10°-20°	1136.0	27.3
20°-30°	1363.0	32.8
30°-40°	916.0	22.1
40°-50°	274.2	6.6
50°-60°	48.4	1.2
60°-70°	13.8	0.3
70°-80°	6.7	0.2
80°-90°	2.1	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°	2892.8	69.6
0°-40°	3808.8	91.7
0°-60°	4131.4	99.5
0°-90°	4154.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4154.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4090	
5°	4078	394
15°	4100	1136
25°	3018	1363
35°	1475	916
45°	305	274
55°	50	48
65°	12	14
75°	6	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4090.0
2.5°	4107.4
5°	4077.8
7.5°	4139.4
10°	4173.1
12.5°	4164.9
15°	4099.8
17.5°	3940.6
20°	3672.1
22.5°	3355.9
25°	3017.6
27.5°	2635.8
30°	2207.4
32.5°	1819.2
35°	1475.1
37.5°	1135.1
40°	814.3
42.5°	531.8
45°	305.1
47.5°	161.6
50°	100.5
52.5°	69.7
55°	50.0
57.5°	36.0
60°	25.0
62.5°	16.3
65°	11.6
67.5°	10.5
70°	9.9
72.5°	7.6
75°	5.8
77.5°	5.2
80°	4.1
82.5°	2.9
85°	1.7
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)