

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: P784608

Luminaire Tested: LER4DD35BD010-EC4DR7020359050-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784608
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4DD35BD010-EC4DR7020359050-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1999.4 lumens
Efficiency: N/A
Efficacy: 64.9 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 30.8
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

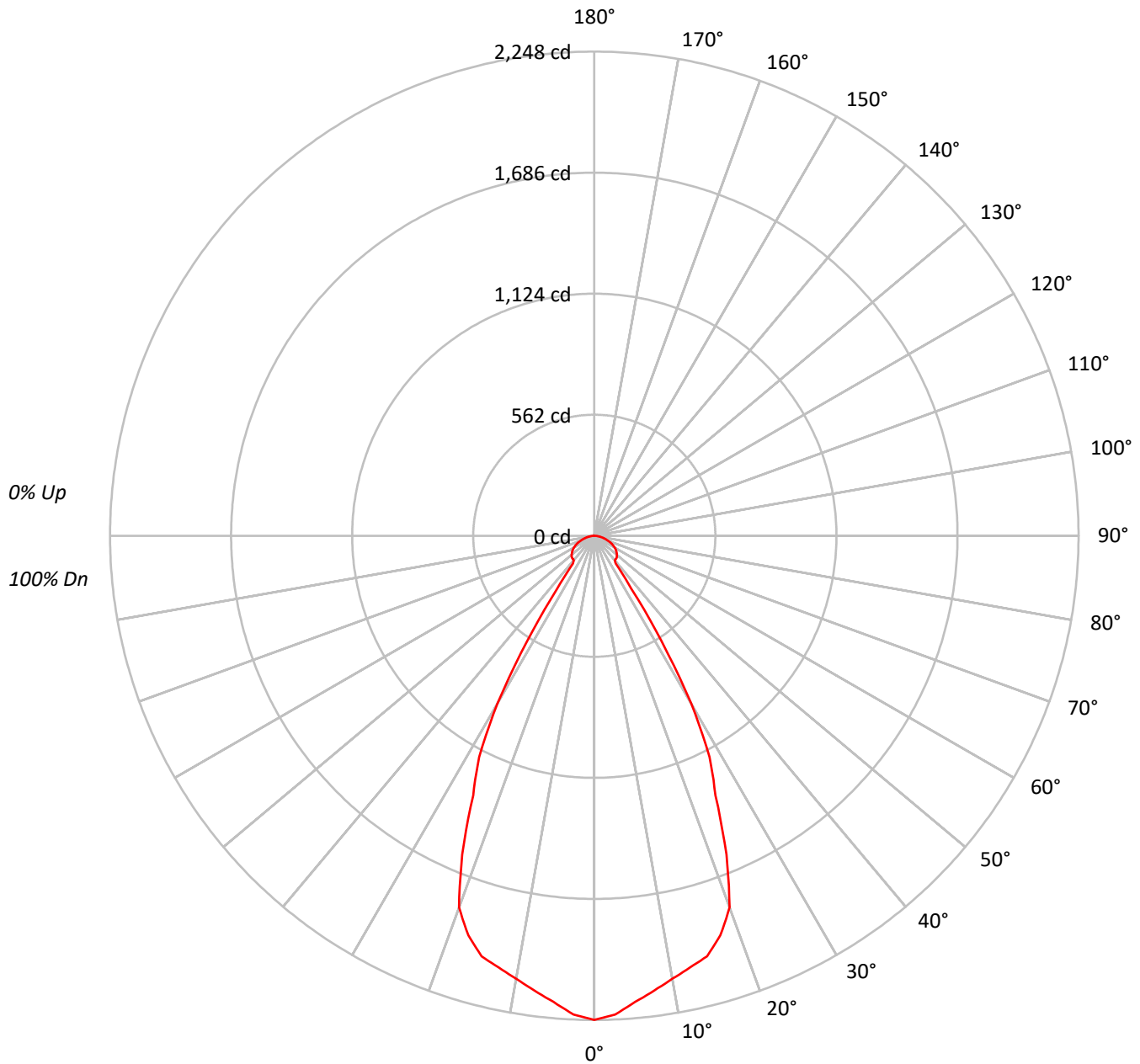


Downlight

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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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	245607
5°	238309
10°	231667
15°	228628
20°	213489
25°	160388
30°	113383
35°	40162
40°	21123
45°	22498
50°	23287
55°	23735
60°	23884
65°	23371
70°	22043
75°	20432
80°	18121
85°	14667

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 60°

Luminance: 23884 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.9	10.3
10°-20°	562.2	28.1
20°-30°	619.1	31.0
30°-40°	236.6	11.8
40°-50°	111.7	5.6
50°-60°	111.0	5.6
60°-70°	88.9	4.4
70°-80°	51.1	2.6
80°-90°	13.9	0.7
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°	1386.2	69.3
0°-40°	1622.8	81.2
0°-60°	1845.6	92.3
0°-90°	1999.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1999.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2248	
5°	2173	205
15°	2021	562
25°	1330	619
35°	301	237
45°	146	112
55°	125	111
65°	90	89
75°	48	51
85°	12	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2247.9
2.5°	2224.4
5°	2172.8
7.5°	2129.8
10°	2088.1
12.5°	2052.9
15°	2021.2
17.5°	1944.7
20°	1836.1
22.5°	1601.9
25°	1330.4
27.5°	1158.1
30°	898.7
32.5°	580.5
35°	301.1
37.5°	162.7
40°	148.1
42.5°	147.0
45°	145.6
47.5°	142.4
50°	137.0
52.5°	131.0
55°	124.6
57.5°	117.4
60°	109.3
62.5°	100.0
65°	90.4
67.5°	79.7
70°	69.0
72.5°	58.4
75°	48.4
77.5°	38.1
80°	28.8
82.5°	20.3
85°	11.7
87.5°	4.6
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)