

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: P784564

Luminaire Tested: LER4DD35BD010-EC4DR6520359024-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784564
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: LER4DD35BD010-EC4DR6520359024-4LBDP1B
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: 1787.4 lumens
Efficiency: N/A
Efficacy: 58.0 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): 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

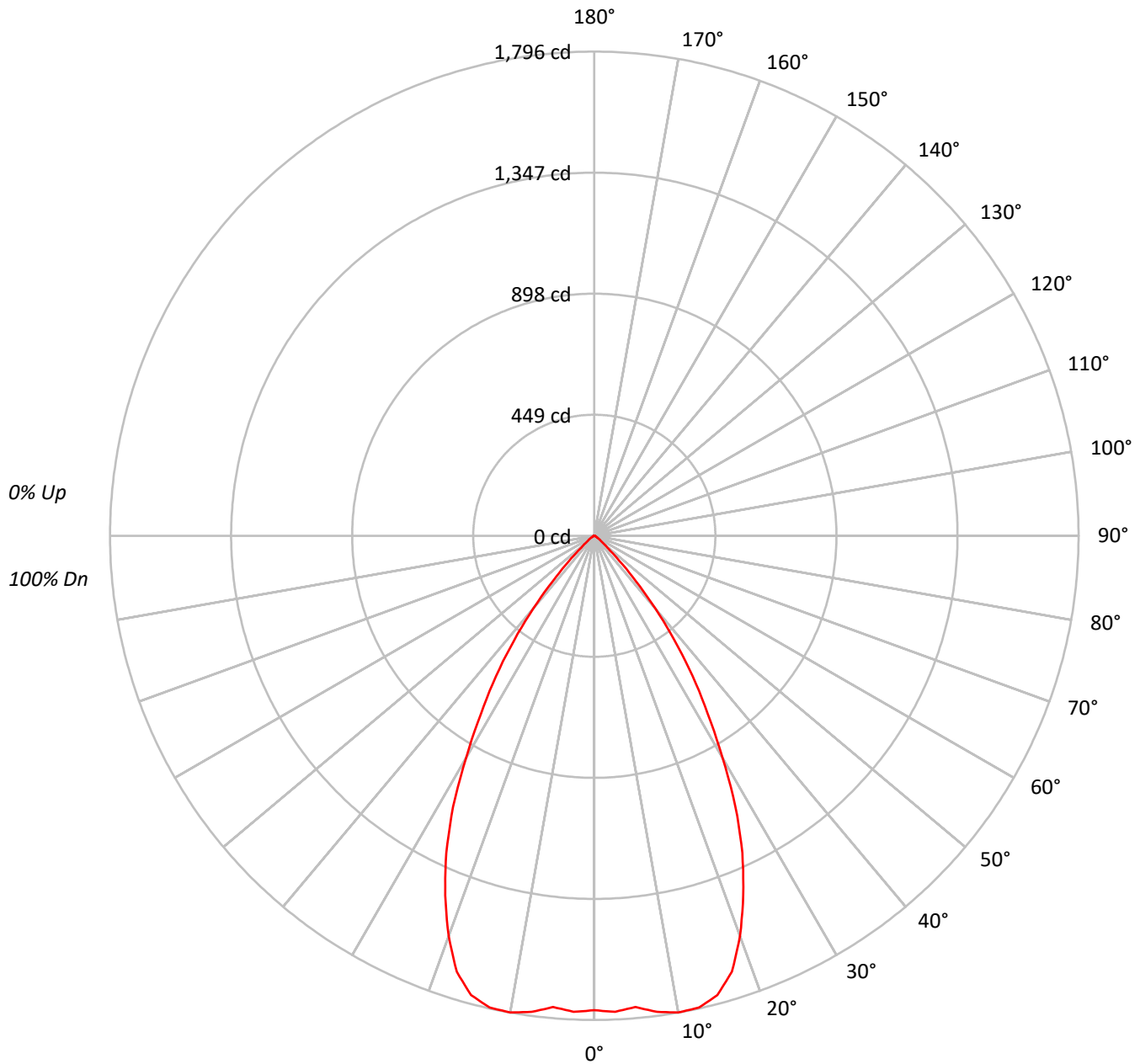


Downlight

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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	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°	192266
5°	192430
10°	199204
15°	199535
20°	183700
25°	156530
30°	119830
35°	84658
40°	49963
45°	20288
50°	7360
55°	4096
60°	2360
65°	1293
70°	1374
75°	1055
80°	1133
85°	1003

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20288 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.4	9.5
10°-20°	488.8	27.3
20°-30°	586.5	32.8
30°-40°	394.1	22.0
40°-50°	118.0	6.6
50°-60°	20.8	1.2
60°-70°	5.9	0.3
70°-80°	2.9	0.2
80°-90°	1.0	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°	1244.7	69.6
0°-40°	1638.8	91.7
0°-60°	1777.6	99.5
0°-90°	1787.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1787.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1760	
5°	1754	169
15°	1764	489
25°	1298	586
35°	635	394
45°	131	118
55°	22	21
65°	5	6
75°	2	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1759.7
2.5°	1767.2
5°	1754.5
7.5°	1781.0
10°	1795.5
12.5°	1792.0
15°	1764.0
17.5°	1695.5
20°	1579.9
22.5°	1443.9
25°	1298.4
27.5°	1134.1
30°	949.8
32.5°	782.7
35°	634.7
37.5°	488.4
40°	350.3
42.5°	228.8
45°	131.3
47.5°	69.5
50°	43.3
52.5°	30.0
55°	21.5
57.5°	15.5
60°	10.8
62.5°	7.0
65°	5.0
67.5°	4.5
70°	4.3
72.5°	3.3
75°	2.5
77.5°	2.3
80°	1.8
82.5°	1.3
85°	0.8
87.5°	0.5
90°	0.0



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— 0°-180°







(END OF REPORT)