

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: P784574

Luminaire Tested: LER4DD35BD010-EC4DR6520359030-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P784574
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-EC4DR6520359030-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2940.2 lumens
Efficiency: N/A
Efficacy: 95.5 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): 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

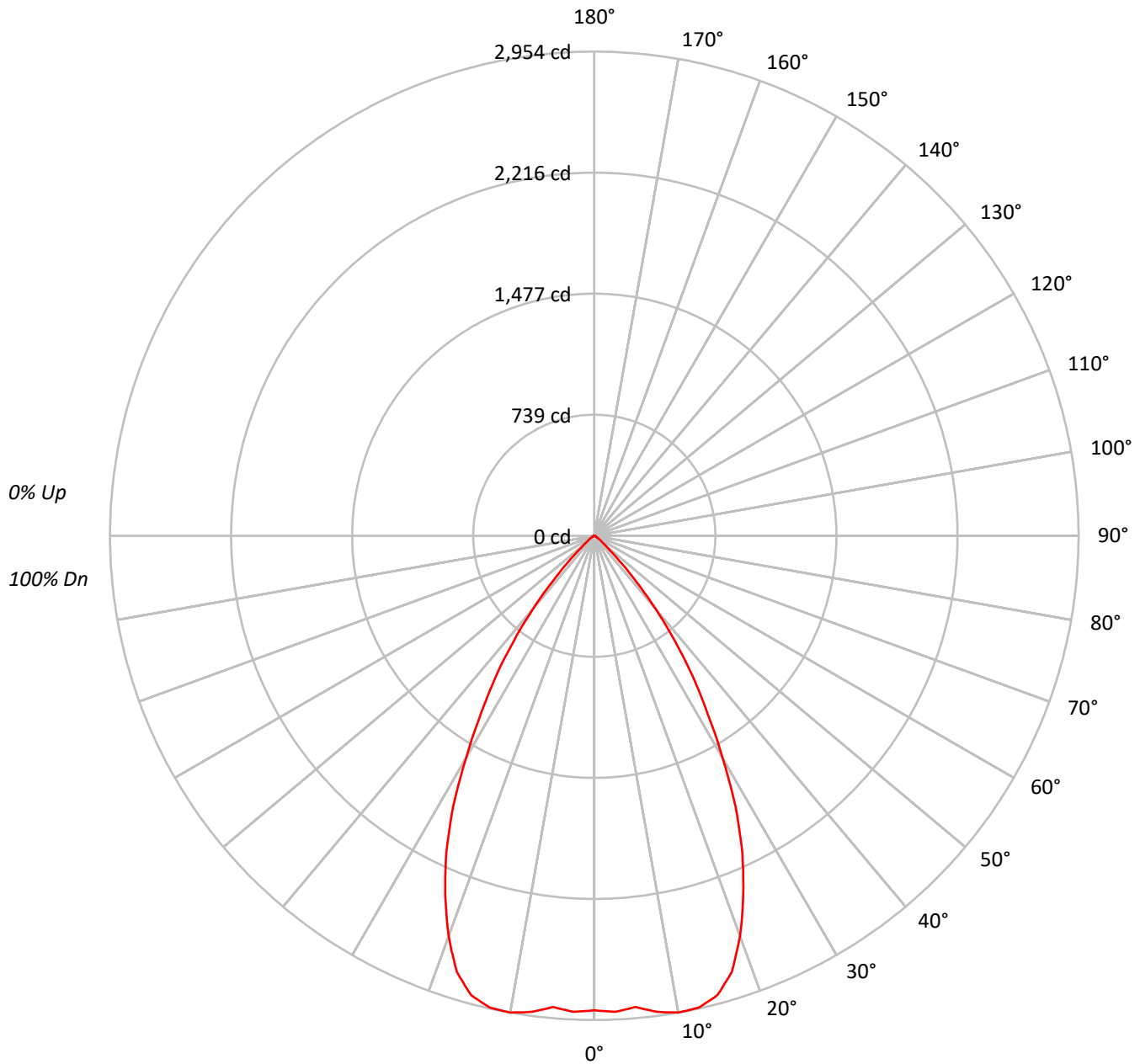


Downlight

TEST NUMBER: P784574

CATALOG NUMBER: LER4DD35BD010-EC4DR6520359030-4LBDP1LI

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°	316288
5°	316553
10°	327691
15°	328237
20°	302193
25°	257483
30°	197118
35°	139265
40°	82198
45°	33376
50°	12103
55°	6743
60°	3868
65°	2120
70°	2236
75°	1731
80°	1825
85°	1504

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33376 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.7	9.5
10°-20°	804.1	27.3
20°-30°	964.7	32.8
30°-40°	648.3	22.1
40°-50°	194.1	6.6
50°-60°	34.3	1.2
60°-70°	9.7	0.3
70°-80°	4.8	0.2
80°-90°	1.5	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°	2047.5	69.6
0°-40°	2695.8	91.7
0°-60°	2924.2	99.5
0°-90°	2940.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2940.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2895	
5°	2886	279
15°	2902	804
25°	2136	965
35°	1044	648
45°	216	194
55°	35	34
65°	8	10
75°	4	5
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2894.8
2.5°	2907.2
5°	2886.2
7.5°	2929.8
10°	2953.6
12.5°	2947.9
15°	2901.8
17.5°	2789.1
20°	2599.0
22.5°	2375.3
25°	2135.8
27.5°	1865.6
30°	1562.4
32.5°	1287.6
35°	1044.1
37.5°	803.4
40°	576.3
42.5°	376.4
45°	216.0
47.5°	114.4
50°	71.2
52.5°	49.4
55°	35.4
57.5°	25.5
60°	17.7
62.5°	11.5
65°	8.2
67.5°	7.4
70°	7.0
72.5°	5.3
75°	4.1
77.5°	3.7
80°	2.9
82.5°	2.1
85°	1.2
87.5°	0.8
90°	0.0



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— 0°-180°







(END OF REPORT)