

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: P784477

Luminaire Tested: LER4DD35BD010-EC4DR4520359030-4LBDP1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P784477
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4DD35BD010-EC4DR4520359030-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3273.0 lumens
Efficiency: N/A
Efficacy: 106.3 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
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

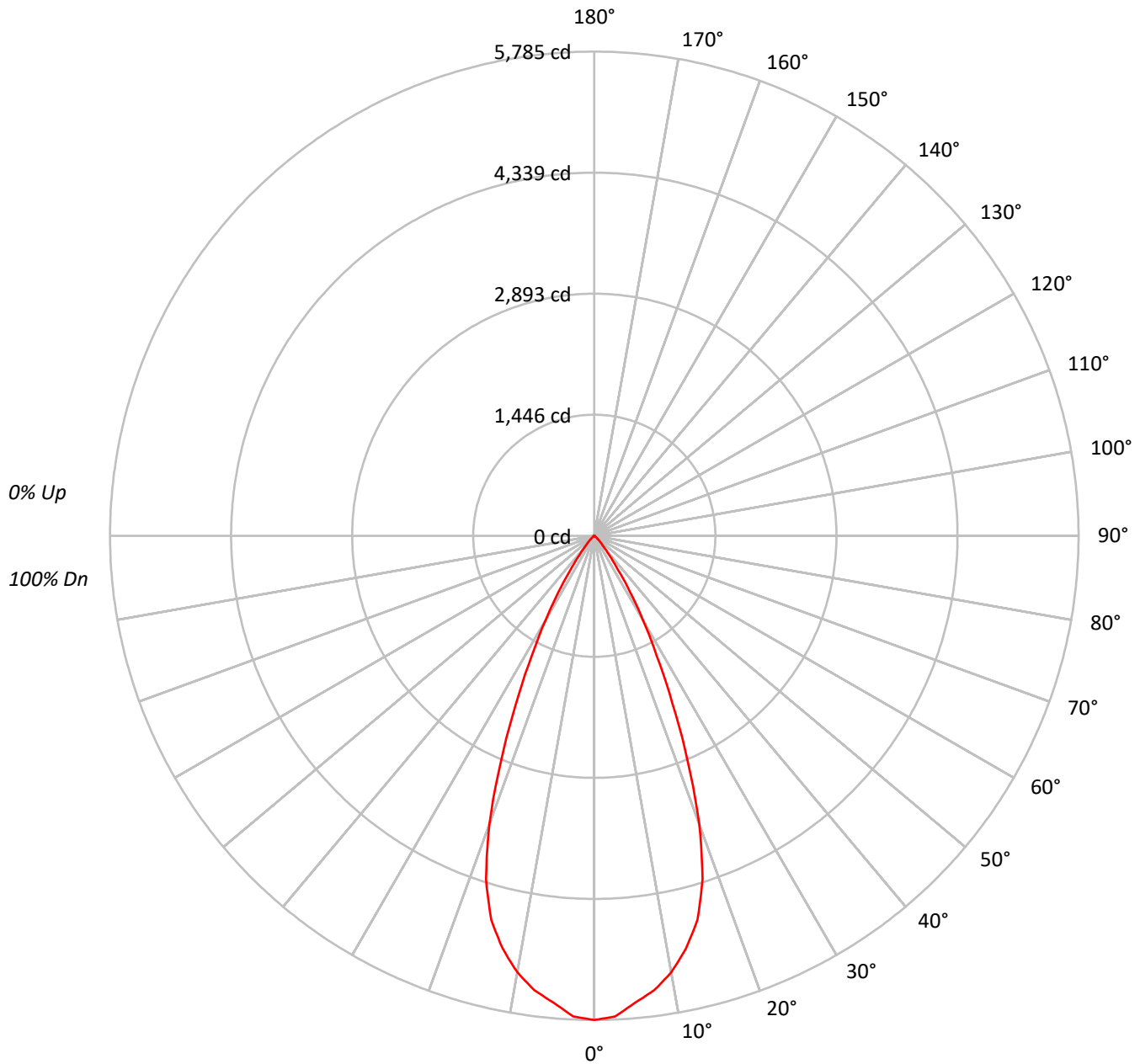


Downlight

TEST NUMBER: P784477

CATALOG NUMBER: LER4DD35BD010-EC4DR4520359030-4LBDP1H

Luminous Intensity Polar Plot



TEST NUMBER: P784477

CATALOG NUMBER: LER4DD35BD010-EC4DR4520359030-4LBDP1H

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	114	112	110	108	112	110	108	106	106	104	103		102	101	100		98
2	109	105	102	99	107	103	100	98	100	98	95		97	95	93		95
3	105	99	95	91	103	98	94	91	95	92	89		93	90	88		91
4	100	94	89	85	99	93	88	85	91	87	84		89	86	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	79		83
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80
7	89	81	75	72	87	80	75	72	79	74	71		78	74	71		77
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	73	68	65	81	73	68	65	72	68	65		71	67	64		71
10	79	70	65	62	78	70	65	62	69	65	62		68	64	61		68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	632084
5°	614088
10°	587516
15°	537704
20°	426582
25°	266320
30°	146791
35°	65904
40°	25959
45°	12238
50°	5796
55°	3029
60°	1486
65°	362
70°	160
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12238 cd/sqm



TEST NUMBER: P784477

CATALOG NUMBER: LER4DD35BD010-EC4DR4520359030-4LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	526.1	16.1
10°-20°	1294.7	39.6
20°-30°	1025.3	31.3
30°-40°	341.4	10.4
40°-50°	67.8	2.1
50°-60°	15.4	0.5
60°-70°	2.2	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	2846.1	87.0
0°-40°	3187.6	97.4
0°-60°	3270.7	99.9
0°-90°	3273.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3273.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5785	
5°	5599	526
15°	4754	1295
25°	2209	1025
35°	494	341
45°	79	68
55°	16	15
65°	1	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P784477

CATALOG NUMBER: LER4DD35BD010-EC4DR4520359030-4LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	5785.1
2.5°	5747.3
5°	5599.0
7.5°	5476.6
10°	5295.5
12.5°	5054.3
15°	4753.6
17.5°	4301.3
20°	3668.8
22.5°	2915.3
25°	2209.1
27.5°	1617.6
30°	1163.5
32.5°	791.3
35°	494.1
37.5°	293.0
40°	182.0
42.5°	119.7
45°	79.2
47.5°	51.0
50°	34.1
52.5°	22.8
55°	15.9
57.5°	10.5
60°	6.8
62.5°	3.6
65°	1.4
67.5°	0.5
70°	0.5
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)