

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: P784460

Luminaire Tested: LER4DD35BD010-EC4DR4020359040-4LBDP1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P784460
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4DD35BD010-EC4DR4020359040-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3144.9 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
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

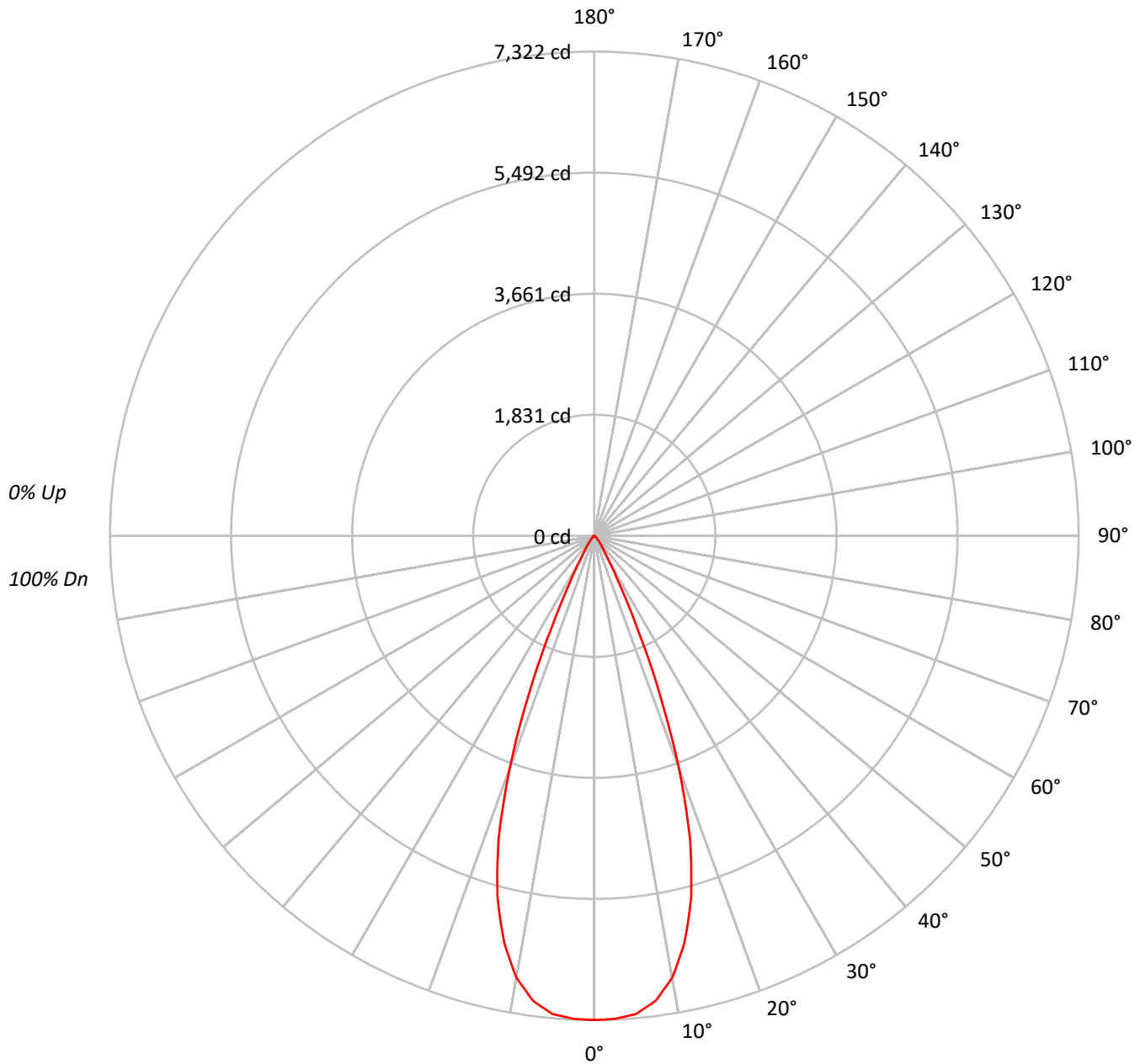


Downlight

TEST NUMBER: P784460

CATALOG NUMBER: LER4DD35BD010-EC4DR4020359040-4LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P784460

CATALOG NUMBER: LER4DD35BD010-EC4DR4020359040-4LBDP1B

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	112	110	108		112	110	108	107		106	105	103		103	101	100		99	98	97
2	110	106	103	100		108	105	102	99		102	99	97		99	97	95		96	95	93
3	106	101	97	94		104	100	96	93		97	94	92		95	93	90		93	91	89
4	102	97	92	89		101	95	91	88		93	90	87		92	89	86		90	87	85
5	99	92	88	84		97	91	87	84		90	86	83		88	85	83		87	84	82
6	95	88	84	80		94	88	83	80		86	82	80		85	82	79		84	81	79
7	92	85	80	77		91	84	80	77		83	79	76		82	79	76		81	78	76
8	89	82	77	74		88	81	77	74		80	76	73		79	76	73		78	75	73
9	86	79	74	71		85	78	74	71		77	73	71		76	73	70		76	72	70
10	83	76	71	68		82	75	71	68		75	71	68		74	70	68		73	70	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	800018
5°	796131
10°	752515
15°	639734
20°	436023
25°	181931
30°	57203
35°	26583
40°	14705
45°	6737
50°	3264
55°	1791
60°	940
65°	336
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6737 cd/sqm



TEST NUMBER: P784460

CATALOG NUMBER: LER4DD35BD010-EC4DR4020359040-4LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	677.8	21.6
10°-20°	1518.4	48.3
20°-30°	760.1	24.2
30°-40°	139.3	4.4
40°-50°	38.4	1.2
50°-60°	9.0	0.3
60°-70°	1.8	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°	2956.3	94.0
0°-40°	3095.6	98.4
0°-60°	3143.1	99.9
0°-90°	3144.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3144.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7322	
5°	7259	678
15°	5656	1518
25°	1509	760
35°	199	139
45°	44	38
55°	9	9
65°	1	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P784460

CATALOG NUMBER: LER4DD35BD010-EC4DR4020359040-4LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	7322.1
2.5°	7311.4
5°	7258.8
7.5°	7091.1
10°	6782.7
12.5°	6301.9
15°	5655.6
17.5°	4815.1
20°	3750.0
22.5°	2556.6
25°	1509.1
27.5°	797.7
30°	453.4
32.5°	293.0
35°	199.3
37.5°	142.4
40°	103.1
42.5°	70.6
45°	43.6
47.5°	27.8
50°	19.2
52.5°	13.7
55°	9.4
57.5°	6.0
60°	4.3
62.5°	2.6
65°	1.3
67.5°	0.9
70°	0.4
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)