

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: P780665

Luminaire Tested: LER4D25D010-EC4DR7020359035-4LBS1H

Issue Date: 1/31/2024

Test Information

Test Method: LM-79-2019
Report Number: P780665
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/31/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4D25D010-EC4DR7020359035-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

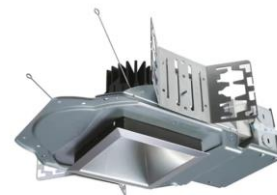
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2672.8 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 25.1
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



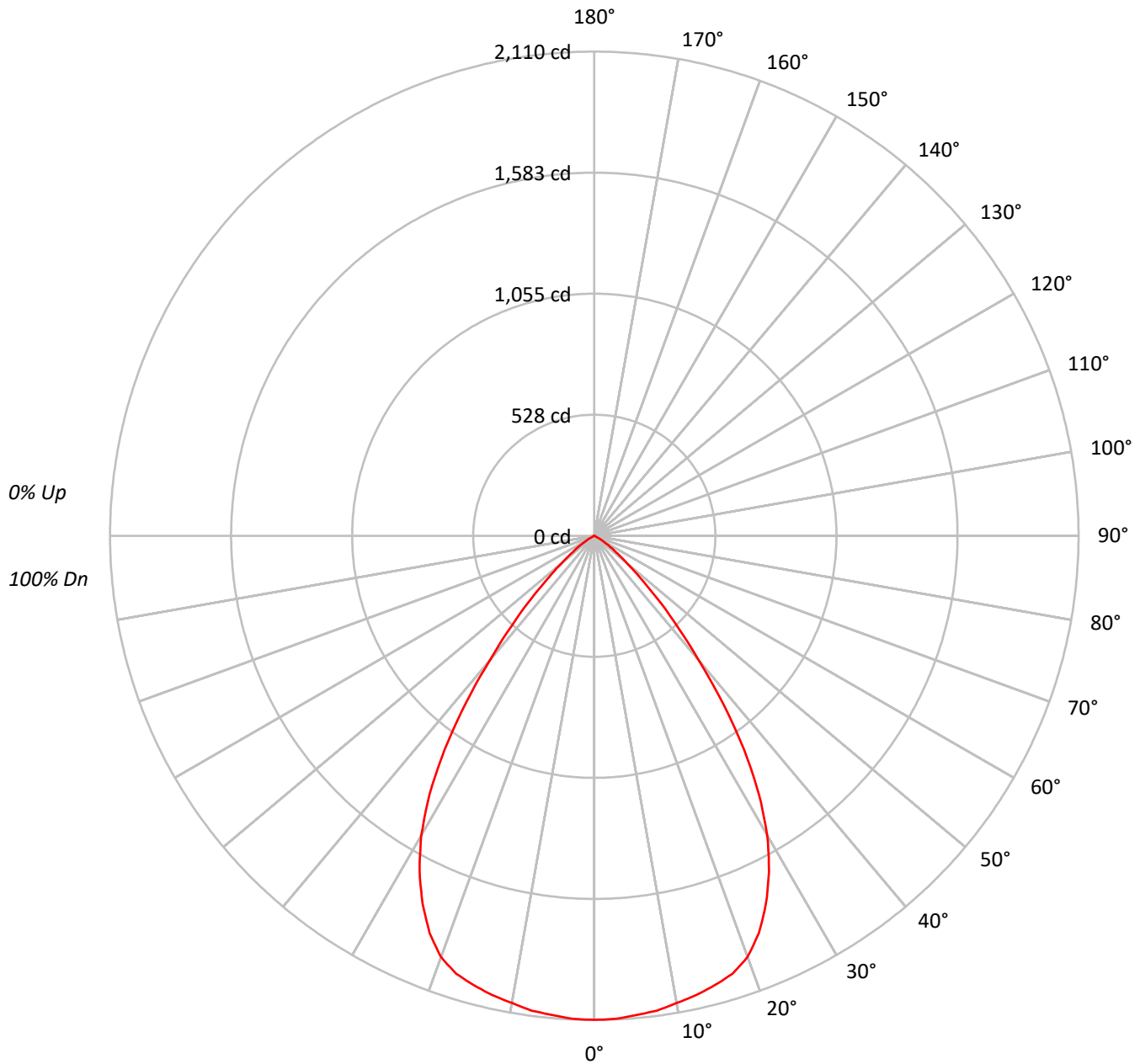
Downlight



TEST NUMBER: P780665

CATALOG NUMBER: LER4D25D010-EC4DR7020359035-4LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P780665

CATALOG NUMBER: LER4D25D010-EC4DR7020359035-4LBS1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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	113	110	107	105	111	108	106	103		104	102	100		100	99	97		97	95	94
2	107	102	97	94	105	100	96	92		97	93	90		94	91	88		91	89	87
3	101	94	88	84	99	92	87	83		90	85	82		87	84	81		85	82	79
4	95	87	81	76	93	86	80	76		83	78	75		81	77	74		79	76	73
5	89	80	74	69	88	79	73	69		78	72	68		76	71	68		74	70	67
6	84	75	68	63	83	74	68	63		72	67	63		71	66	62		69	65	62
7	80	69	63	58	78	69	62	58		67	62	58		66	61	57		65	61	57
8	75	65	58	54	74	64	58	54		63	57	53		62	57	53		61	56	53
9	71	61	54	50	70	60	54	50		59	53	50		58	53	49		57	53	49
10	67	57	50	46	66	56	50	46		55	50	46		55	50	46		54	49	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	230496
5°	229918
10°	229415
15°	229363
20°	227116
25°	213348
30°	190191
35°	151643
40°	100697
45°	60200
50°	31208
55°	16401
60°	5791
65°	103
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 60200 cd/sqm



TEST NUMBER: P780665

CATALOG NUMBER: LER4D25D010-EC4DR7020359035-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.4	7.5
10°-20°	571.8	21.4
20°-30°	806.6	30.2
30°-40°	696.3	26.1
40°-50°	311.8	11.7
50°-60°	81.6	3.1
60°-70°	5.3	0.2
70°-80°	0.0	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°	1577.7	59.0
0°-40°	2274.0	85.1
0°-60°	2667.5	99.8
0°-90°	2672.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2672.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2110	
5°	2096	199
15°	2028	572
25°	1770	807
35°	1137	696
45°	390	312
55°	86	82
65°	0	5
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P780665

CATALOG NUMBER: LER4D25D010-EC4DR7020359035-4LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	2109.6
2.5°	2107.3
5°	2096.3
7.5°	2087.2
10°	2067.8
12.5°	2050.4
15°	2027.7
17.5°	2001.5
20°	1953.3
22.5°	1874.0
25°	1769.7
27.5°	1648.7
30°	1507.5
32.5°	1335.0
35°	1136.9
37.5°	918.4
40°	706.0
42.5°	536.4
45°	389.6
47.5°	268.6
50°	183.6
52.5°	126.7
55°	86.1
57.5°	52.0
60°	26.5
62.5°	8.4
65°	0.4
67.5°	0.0
70°	0.0
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)