

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: P780595

Luminaire Tested: LER4D25D010-EC4DR5520359035-4LBS1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P780595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER4D25D010-EC4DR5520359035-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 55° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2572.6 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87
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



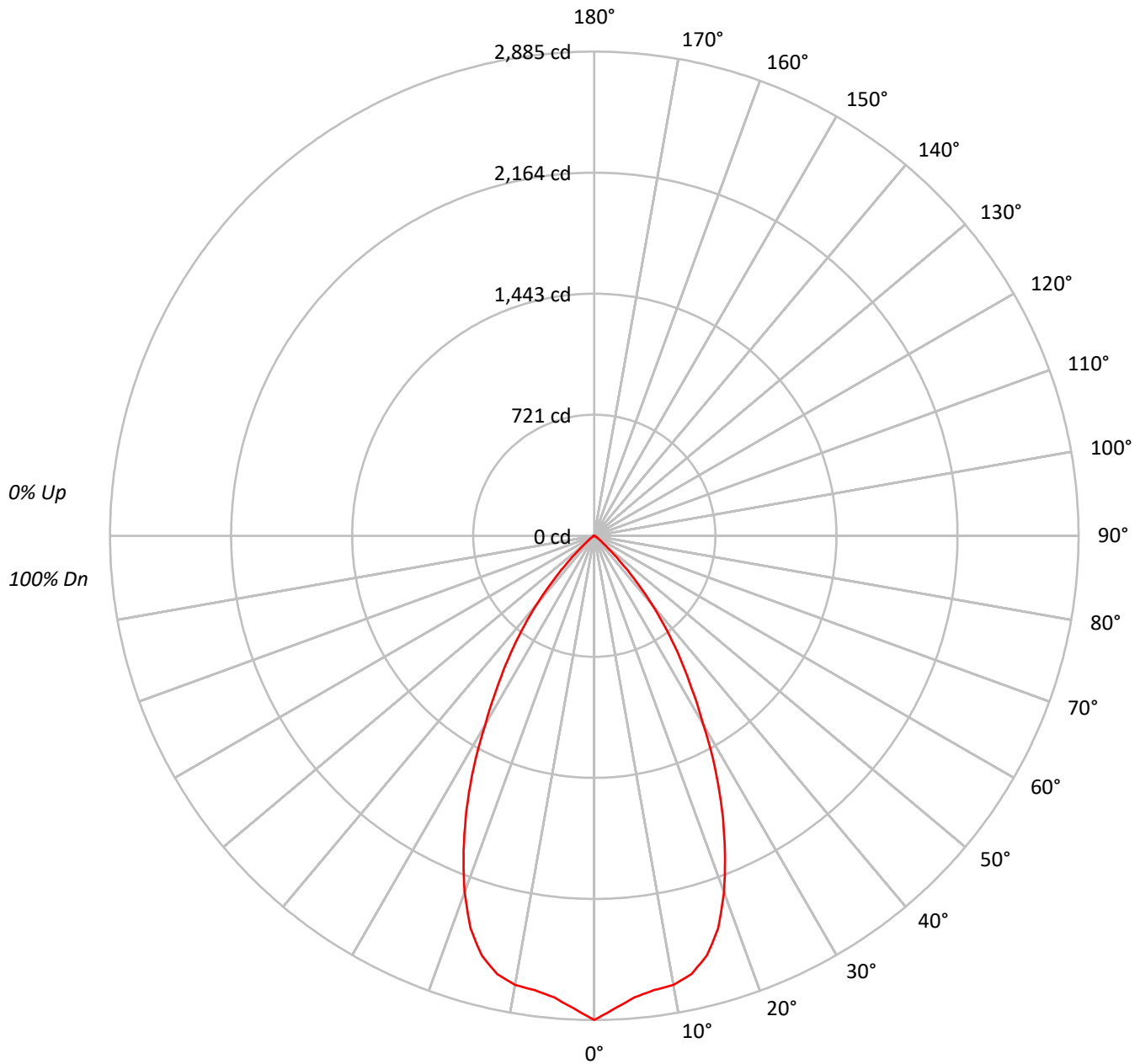
Downlight



TEST NUMBER: P780595

CATALOG NUMBER: LER4D25D010-EC4DR5520359035-4LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P780595

CATALOG NUMBER: LER4D25D010-EC4DR5520359035-4LBS1MW

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	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	101	98	95	98	95	92		95	93	90		92
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87
4	97	90	84	80	95	88	83	79	86	82	78		84	81	78		82
5	92	84	78	74	91	83	77	73	81	76	73		79	75	72		78
6	88	79	73	68	86	78	72	68	76	71	68		75	70	67		74
7	83	74	68	64	82	73	67	63	72	67	63		71	66	63		70
8	79	69	63	59	78	69	63	59	68	63	59		67	62	59		66
9	75	66	60	56	74	65	59	55	64	59	55		63	58	55		62
10	72	62	56	52	71	61	56	52	61	56	52		60	55	52		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	315195
5°	302679
10°	301530
15°	292878
20°	262602
25°	217025
30°	163937
35°	118871
40°	76079
45°	34736
50°	11372
55°	4896
60°	2098
65°	284
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 34736 cd/sqm



TEST NUMBER: P780595

CATALOG NUMBER: LER4D25D010-EC4DR5520359035-4LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.6	10.2
10°-20°	716.7	27.9
20°-30°	816.7	31.7
30°-40°	556.0	21.6
40°-50°	191.6	7.4
50°-60°	26.5	1.0
60°-70°	2.5	0.1
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°	1796.0	69.8
0°-40°	2352.0	91.4
0°-60°	2570.0	99.9
0°-90°	2572.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2572.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2885	
5°	2760	263
15°	2589	717
25°	1800	817
35°	891	556
45°	225	192
55°	26	26
65°	1	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P780595

CATALOG NUMBER: LER4D25D010-EC4DR5520359035-4LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2884.8
2.5°	2818.6
5°	2759.7
7.5°	2730.7
10°	2717.8
12.5°	2674.9
15°	2589.2
17.5°	2453.0
20°	2258.5
22.5°	2034.0
25°	1800.2
27.5°	1556.8
30°	1299.4
32.5°	1081.3
35°	891.2
37.5°	710.3
40°	533.4
42.5°	369.6
45°	224.8
47.5°	121.2
50°	66.9
52.5°	39.7
55°	25.7
57.5°	16.4
60°	9.6
62.5°	4.3
65°	1.1
67.5°	0.3
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)