

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



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: P745035

Luminaire Tested: LD4D25D010-EU4DR3020359024-4LBDP1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P745035
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D25D010-EU4DR3020359024-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1810.9 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): 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



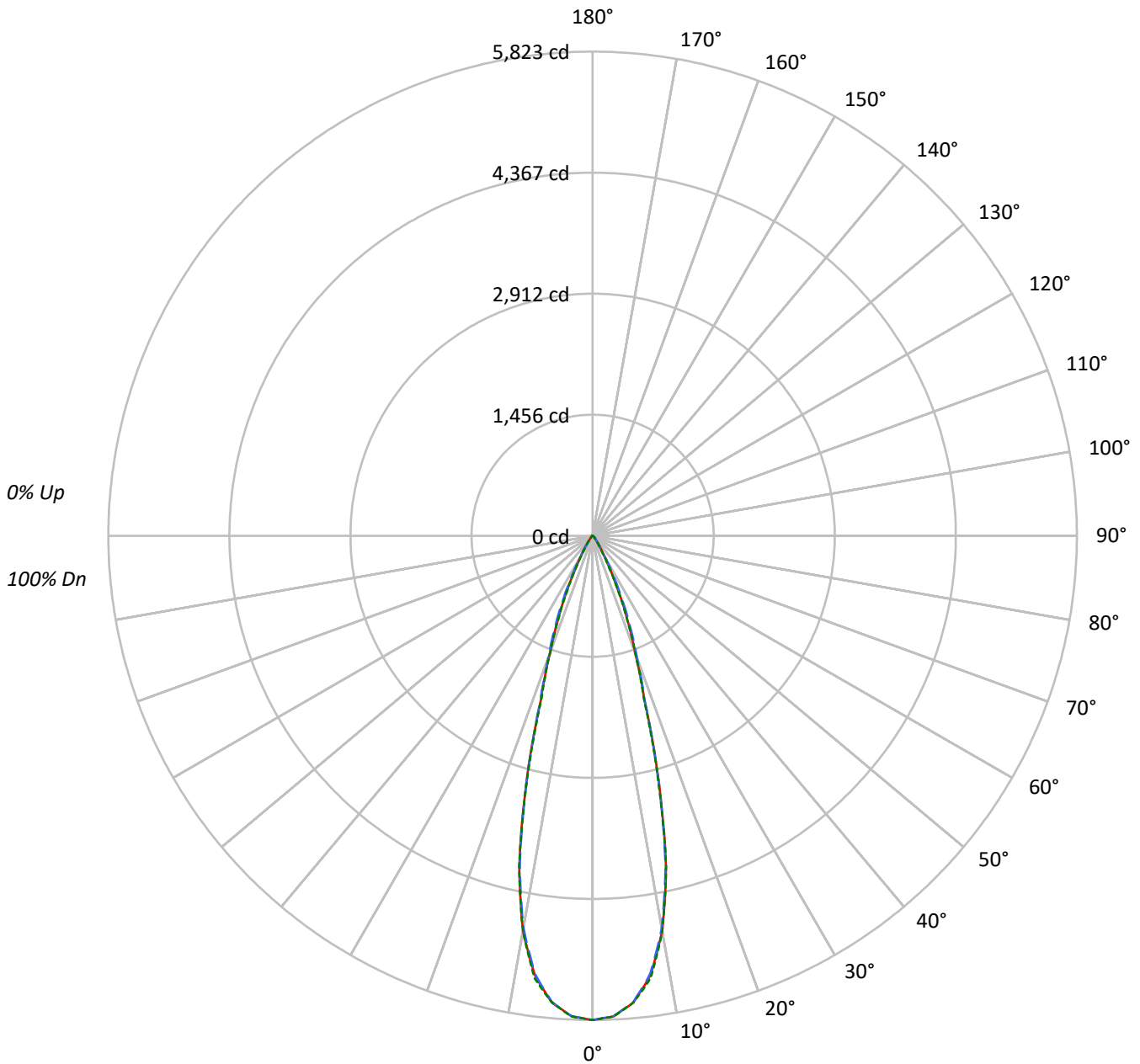
Downlight



TEST NUMBER: P745035

CATALOG NUMBER: LD4D25D010-EU4DR3020359024-4LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P745035

CATALOG NUMBER: LD4D25D010-EU4DR3020359024-4LBDP1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	445712	445712	445712
5°	432916	432409	432939
10°	374973	372322	374879
15°	244649	243333	242113
20°	121654	126216	121491
25°	61281	69102	60023
30°	24536	26736	21371
35°	11381	10905	9129
40°	4916	5456	4626
45°	3464	4308	3496
50°	1191	3132	1262
55°	694	1294	721
60°	490	566	490
65°	308	308	308
70°	201	134	201
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 4308 cd/sqm



TEST NUMBER: P745035

CATALOG NUMBER: LD4D25D010-EU4DR3020359024-4LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	512.0	28.3
10°-20°	824.6	45.5
20°-30°	356.4	19.7
30°-40°	81.2	4.5
40°-50°	27.9	1.5
50°-60°	6.8	0.4
60°-70°	1.8	0.1
70°-80°	0.2	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°	1693.0	93.5
0°-40°	1774.3	98.0
0°-60°	1809.0	99.9
0°-90°	1810.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1810.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5823	5823	5823	5823	5823	
5°	5634	5629	5628	5639	5635	512
15°	3087	3050	3071	3061	3055	827
25°	726	753	818	734	711	347
35°	122	124	117	116	98	83
45°	32	40	40	40	32	23
55°	5	5	10	6	5	5
65°	2	2	2	2	2	2
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P745035

CATALOG NUMBER: LD4D25D010-EU4DR3020359024-4LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5823.0	5823.0	5823.0	5823.0	5823.0
2.5°	5784.4	5780.4	5782.7	5785.5	5786.7
5°	5634.3	5628.8	5627.7	5639.4	5634.6
7.5°	5331.5	5323.8	5312.1	5338.7	5363.6
10°	4824.4	4815.8	4790.3	4802.9	4823.2
12.5°	4075.6	4047.9	4047.3	4087.3	4081.9
15°	3087.3	3050.2	3070.7	3060.7	3055.3
17.5°	2076.1	2061.8	2089.3	2081.0	2045.3
20°	1493.5	1497.2	1549.5	1523.2	1491.5
22.5°	1089.8	1103.2	1165.3	1097.5	1072.7
25°	725.6	753.0	818.2	733.9	710.7
27.5°	446.3	458.9	524.9	440.5	428.0
30°	277.6	271.3	302.5	259.6	241.8
32.5°	182.1	174.1	184.1	165.2	151.0
35°	121.8	124.4	116.7	115.8	97.7
37.5°	76.0	87.5	77.2	82.3	62.9
40°	49.2	63.5	54.6	60.3	46.3
42.5°	40.3	48.9	44.9	47.7	41.2
45°	32.0	39.8	39.8	39.8	32.3
47.5°	17.7	26.6	34.0	27.2	18.9
50°	10.0	13.5	26.3	14.0	10.6
52.5°	6.9	7.7	18.0	8.0	7.2
55°	5.2	5.4	9.7	5.7	5.4
57.5°	4.0	4.3	5.2	4.3	4.0
60°	3.2	3.2	3.7	3.4	3.2
62.5°	2.3	2.3	2.6	2.3	2.3
65°	1.7	1.7	1.7	1.7	1.7
67.5°	0.9	1.1	1.1	1.1	1.1
70°	0.9	0.6	0.6	0.6	0.9
72.5°	0.6	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report



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° - - 45°-225° - - - - 90°-270°

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report



(END OF REPORT)