

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: P745085

Luminaire Tested: LD4D25D010-EU4DR3020359040-4LBDP1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P745085
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-EU4DR3020359040-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2524.4 lumens
Efficiency: N/A
Efficacy: 100.6 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

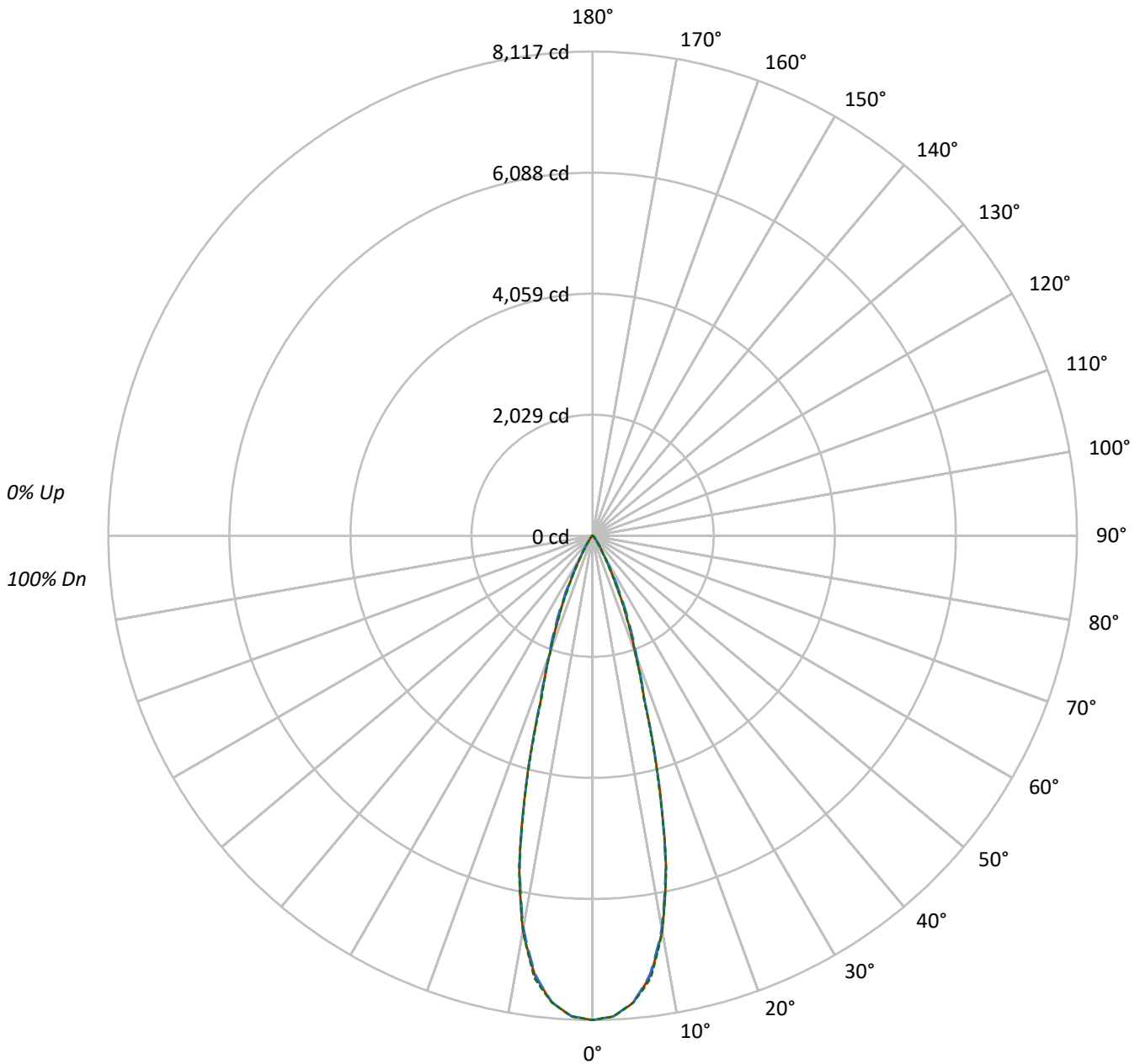


Downlight



TEST NUMBER: P745085
CATALOG NUMBER: LD4D25D010-EU4DR3020359040-4LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P745085

CATALOG NUMBER: LD4D25D010-EU4DR3020359040-4LBDP1H

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	621303	621303	621303
5°	603468	602761	603499
10°	522695	519011	522571
15°	341033	339202	337498
20°	169583	175944	169355
25°	85419	96331	83671
30°	34205	37263	29794
35°	15866	15194	12736
40°	6845	7604	6455
45°	4828	5997	4871
50°	1655	4370	1750
55°	961	1802	1014
60°	674	796	674
65°	435	435	435
70°	269	179	269
75°	0	118	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 5997 cd/sqm



TEST NUMBER: P745085

CATALOG NUMBER: LD4D25D010-EU4DR3020359040-4LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	713.8	28.3
10°-20°	1149.5	45.5
20°-30°	496.7	19.7
30°-40°	113.2	4.5
40°-50°	38.9	1.5
50°-60°	9.5	0.4
60°-70°	2.5	0.1
70°-80°	0.3	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°	2360.0	93.5
0°-40°	2473.3	98.0
0°-60°	2521.6	99.9
0°-90°	2524.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2524.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8117	8117	8117	8117	8117	
5°	7854	7846	7845	7861	7854	714
15°	4304	4252	4280	4266	4259	1152
25°	1011	1050	1141	1023	991	484
35°	170	173	163	161	136	115
45°	45	55	55	55	45	32
55°	7	8	14	8	8	7
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: P745085

CATALOG NUMBER: LD4D25D010-EU4DR3020359040-4LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8117.0	8117.0	8117.0	8117.0	8117.0
2.5°	8063.2	8057.6	8060.8	8064.8	8066.4
5°	7854.0	7846.4	7844.8	7861.2	7854.4
7.5°	7432.0	7421.2	7404.9	7441.9	7476.6
10°	6725.0	6713.0	6677.6	6695.1	6723.4
12.5°	5681.3	5642.6	5641.8	5697.6	5690.0
15°	4303.6	4251.8	4280.5	4266.5	4259.0
17.5°	2894.0	2874.1	2912.4	2900.8	2851.0
20°	2081.9	2087.0	2160.0	2123.3	2079.1
22.5°	1519.2	1537.9	1624.4	1529.9	1495.2
25°	1011.4	1049.7	1140.6	1023.0	990.7
27.5°	622.1	639.6	731.7	614.1	596.6
30°	387.0	378.2	421.6	361.9	337.1
32.5°	253.9	242.7	256.6	230.3	210.4
35°	169.8	173.4	162.6	161.4	136.3
37.5°	106.0	121.9	107.6	114.8	87.7
40°	68.5	88.5	76.1	84.1	64.6
42.5°	56.2	68.1	62.6	66.6	57.4
45°	44.6	55.4	55.4	55.4	45.0
47.5°	24.7	37.1	47.4	37.9	26.3
50°	13.9	18.7	36.7	19.5	14.7
52.5°	9.6	10.8	25.1	11.2	10.0
55°	7.2	7.6	13.5	8.0	7.6
57.5°	5.6	6.0	7.2	6.0	5.6
60°	4.4	4.4	5.2	4.8	4.4
62.5°	3.2	3.2	3.6	3.2	3.2
65°	2.4	2.4	2.4	2.4	2.4
67.5°	1.2	1.6	1.6	1.6	1.6
70°	1.2	0.8	0.8	0.8	1.2
72.5°	0.8	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.4	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)