

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: P745778

Luminaire Tested: LD4D30D010-EU4DR1515309035-4LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P745778
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D30D010-EU4DR1515309035-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3005.7 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

Input Watts (W): 29
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

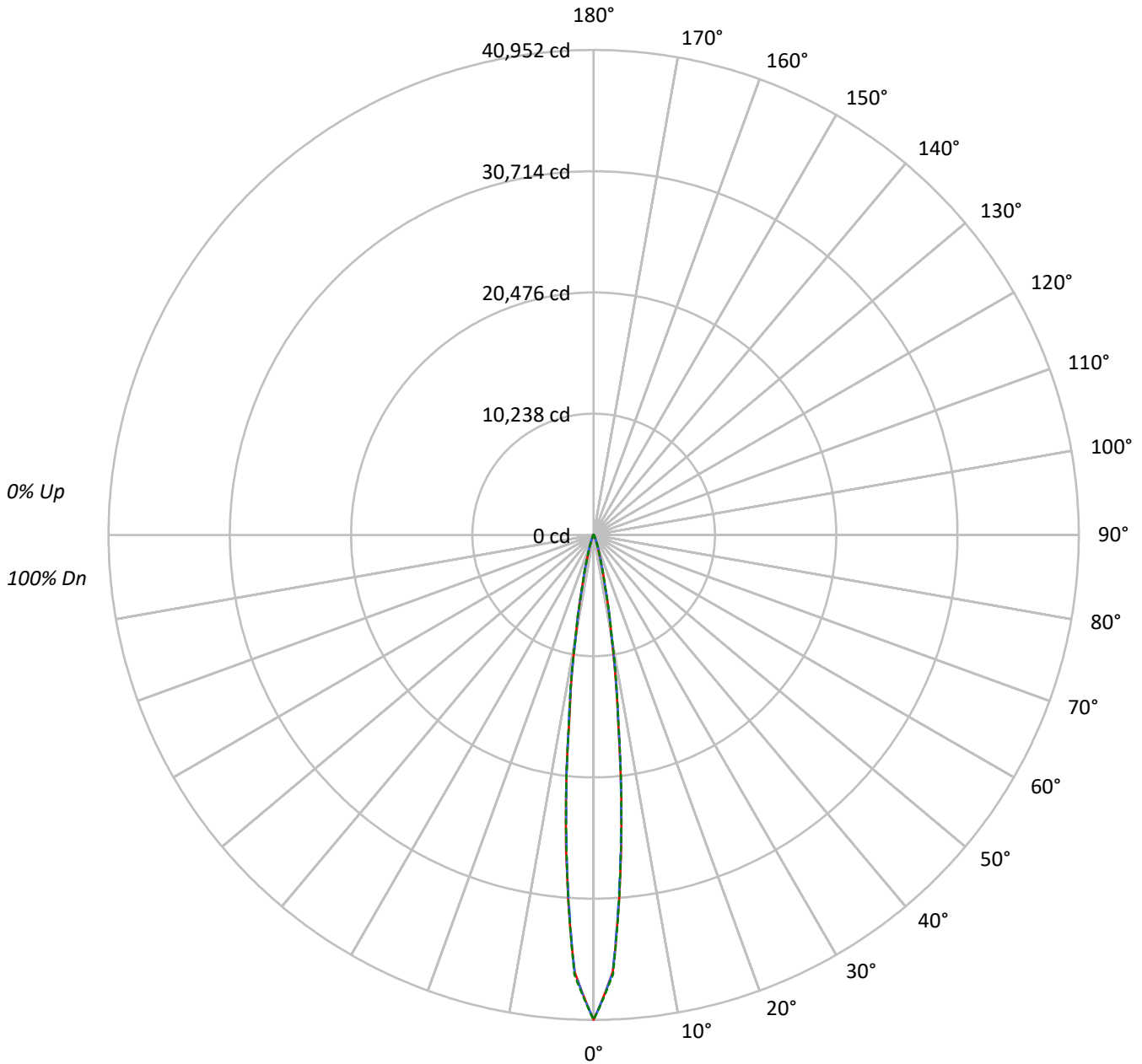


Downlight



TEST NUMBER: P745778
CATALOG NUMBER: LD4D30D010-EU4DR1515309035-4LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P745778

CATALOG NUMBER: LD4D30D010-EU4DR1515309035-4LBS1H

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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4607928	4607928	4607928
5°	2707831	2672769	2693918
10°	808165	813819	826276
15°	201021	204939	198616
20°	60148	69648	61424
25°	21205	27008	21469
30°	7788	10259	7922
35°	3900	4408	3776
40°	2464	2706	2464
45°	1820	1939	1820
50°	1446	1446	1446
55°	1204	1204	1204
60°	976	976	976
65°	742	742	742
70°	636	636	636
75°	393	393	522
80°	276	276	276
85°	141	141	141

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1939 cd/sqm



TEST NUMBER: P745778

CATALOG NUMBER: LD4D30D010-EU4DR1515309035-4LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1949.4	64.9
10°-20°	801.8	26.7
20°-30°	159.3	5.3
30°-40°	39.7	1.3
40°-50°	20.9	0.7
50°-60°	15.5	0.5
60°-70°	10.9	0.4
70°-80°	6.2	0.2
80°-90°	1.9	0.1
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°	2910.5	96.8
0°-40°	2950.3	98.2
0°-60°	2986.6	99.4
0°-90°	3005.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3005.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	40952	40952	40952	40952	40952	
5°	26644	26370	26299	26481	26507	1946
15°	2314	2358	2360	2318	2287	794
25°	272	309	347	307	276	143
35°	54	57	61	57	52	36
45°	26	26	28	26	26	20
55°	17	17	17	17	17	15
65°	10	10	10	10	10	11
75°	5	5	5	5	7	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



TEST NUMBER: P745778

CATALOG NUMBER: LD4D30D010-EU4DR1515309035-4LBS1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	40952.1	40952.1	40952.1	40952.1	40952.1
2.5°	36940.4	36971.6	36983.8	37020.2	37155.4
5°	26644.3	26370.4	26299.3	26481.4	26507.4
7.5°	15783.1	15838.5	16041.4	16086.5	15923.5
10°	8661.3	8732.3	8721.9	8784.4	8855.4
12.5°	4429.5	4374.0	4356.6	4427.7	4328.9
15°	2314.4	2357.8	2359.5	2317.9	2286.7
17.5°	1244.8	1295.0	1378.2	1310.6	1206.6
20°	735.1	780.1	851.2	795.7	750.7
22.5°	454.2	490.6	540.9	497.6	461.1
25°	272.2	308.6	346.7	306.9	275.6
27.5°	161.2	192.4	216.7	190.7	159.5
30°	104.0	121.4	137.0	119.6	105.8
32.5°	72.8	79.7	86.7	79.7	72.8
35°	53.7	57.2	60.7	57.2	52.0
37.5°	41.6	45.1	46.8	43.3	39.9
40°	34.7	36.4	38.1	36.4	34.7
42.5°	29.5	31.2	31.2	31.2	29.5
45°	26.0	26.0	27.7	26.0	26.0
47.5°	22.5	22.5	24.3	22.5	22.5
50°	20.8	20.8	20.8	20.8	20.8
52.5°	19.1	19.1	19.1	19.1	19.1
55°	17.3	17.3	17.3	17.3	17.3
57.5°	15.6	15.6	15.6	15.6	15.6
60°	13.9	13.9	13.9	13.9	13.9
62.5°	12.1	12.1	12.1	12.1	12.1
65°	10.4	10.4	10.4	10.4	10.4
67.5°	10.4	10.4	10.4	10.4	10.4
70°	8.7	8.7	8.7	8.7	8.7
72.5°	6.9	6.9	6.9	6.9	6.9
75°	5.2	5.2	5.2	5.2	6.9
77.5°	5.2	5.2	5.2	5.2	5.2
80°	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	3.5	3.5	3.5	3.5
85°	1.7	1.7	1.7	1.7	1.7
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)