

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: P742776

Luminaire Tested: LD4D10D010-EU4DR700210IC9040-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P742776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D10D010-EU4DR700210IC9040-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 636.8 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
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



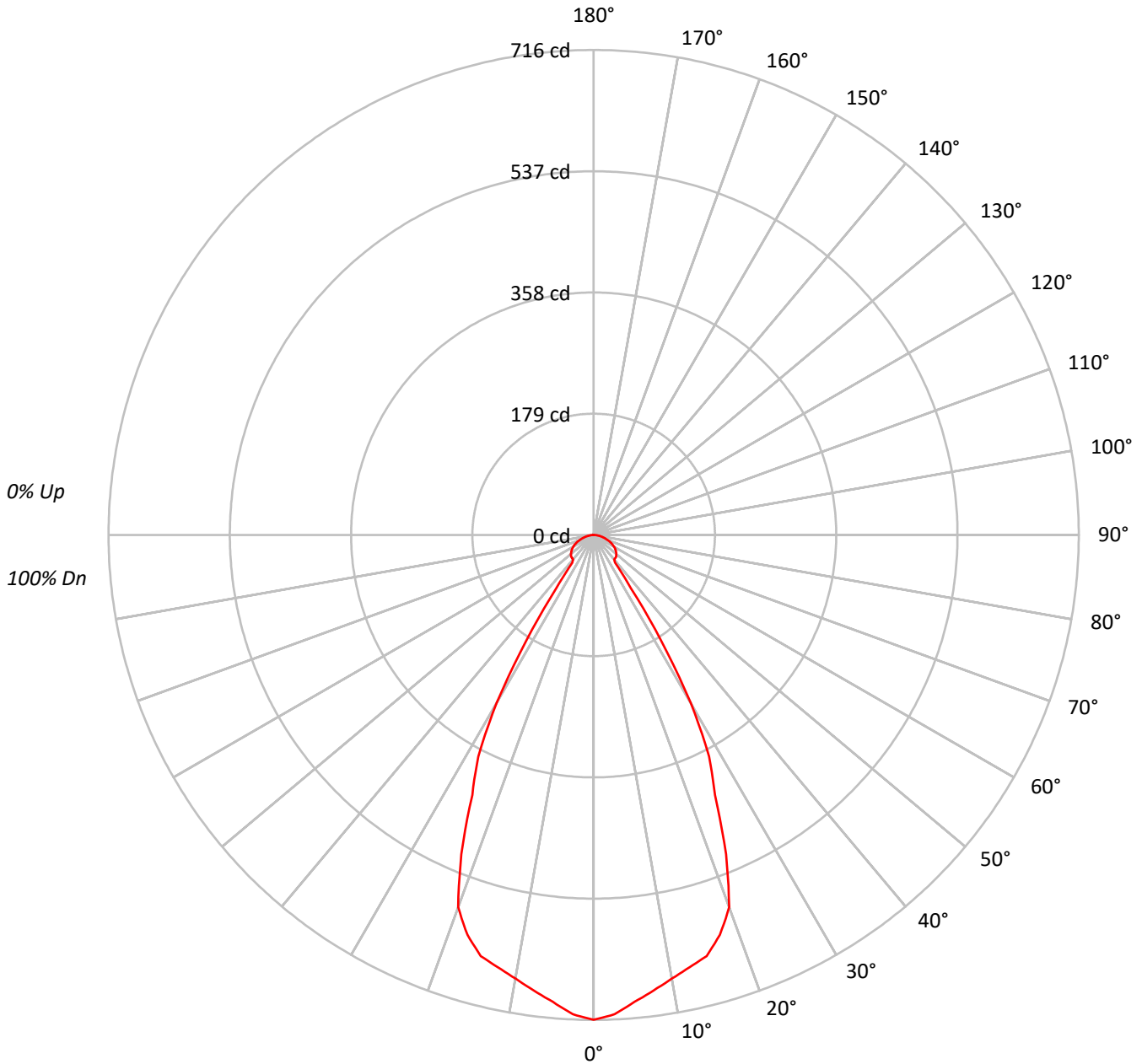
Downlight



TEST NUMBER: P742776

CATALOG NUMBER: LD4D10D010-EU4DR700210IC9040-4LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P742776

CATALOG NUMBER: LD4D10D010-EU4DR700210IC9040-4LBDP1B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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			100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			70
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			50
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	78209
5°	75897
10°	73779
15°	72812
20°	67996
25°	51080
30°	36108
35°	12791
40°	6732
45°	7170
50°	7428
55°	7543
60°	7605
65°	7446
70°	7028
75°	6501
80°	5789
85°	4638

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 7605 cd/sqm



TEST NUMBER: P742776

CATALOG NUMBER: LD4D10D010-EU4DR700210IC9040-4LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.3	10.3
10°-20°	179.0	28.1
20°-30°	197.2	31.0
30°-40°	75.3	11.8
40°-50°	35.6	5.6
50°-60°	35.4	5.6
60°-70°	28.3	4.4
70°-80°	16.3	2.6
80°-90°	4.4	0.7
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°	441.5	69.3
0°-40°	516.8	81.2
0°-60°	587.7	92.3
0°-90°	636.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	636.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	716	
5°	692	65
15°	644	179
25°	424	197
35°	96	75
45°	46	36
55°	40	35
65°	29	28
75°	15	16
85°	4	4
90°	0	



TEST NUMBER: P742776

CATALOG NUMBER: LD4D10D010-EU4DR700210IC9040-4LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	715.8
2.5°	708.4
5°	692.0
7.5°	678.3
10°	665.0
12.5°	653.7
15°	643.7
17.5°	619.3
20°	584.8
22.5°	510.2
25°	423.7
27.5°	368.8
30°	286.2
32.5°	184.8
35°	95.9
37.5°	51.8
40°	47.2
42.5°	46.8
45°	46.4
47.5°	45.3
50°	43.7
52.5°	41.7
55°	39.6
57.5°	37.4
60°	34.8
62.5°	31.9
65°	28.8
67.5°	25.4
70°	22.0
72.5°	18.6
75°	15.4
77.5°	12.1
80°	9.2
82.5°	6.5
85°	3.7
87.5°	1.5
90°	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



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

Scaled Data Report



— 0°-180°

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)