

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: P746535

Luminaire Tested: LD4D30D010-EU4DR6520359027-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746535
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D30D010-EU4DR6520359027-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1739.2 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 29
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



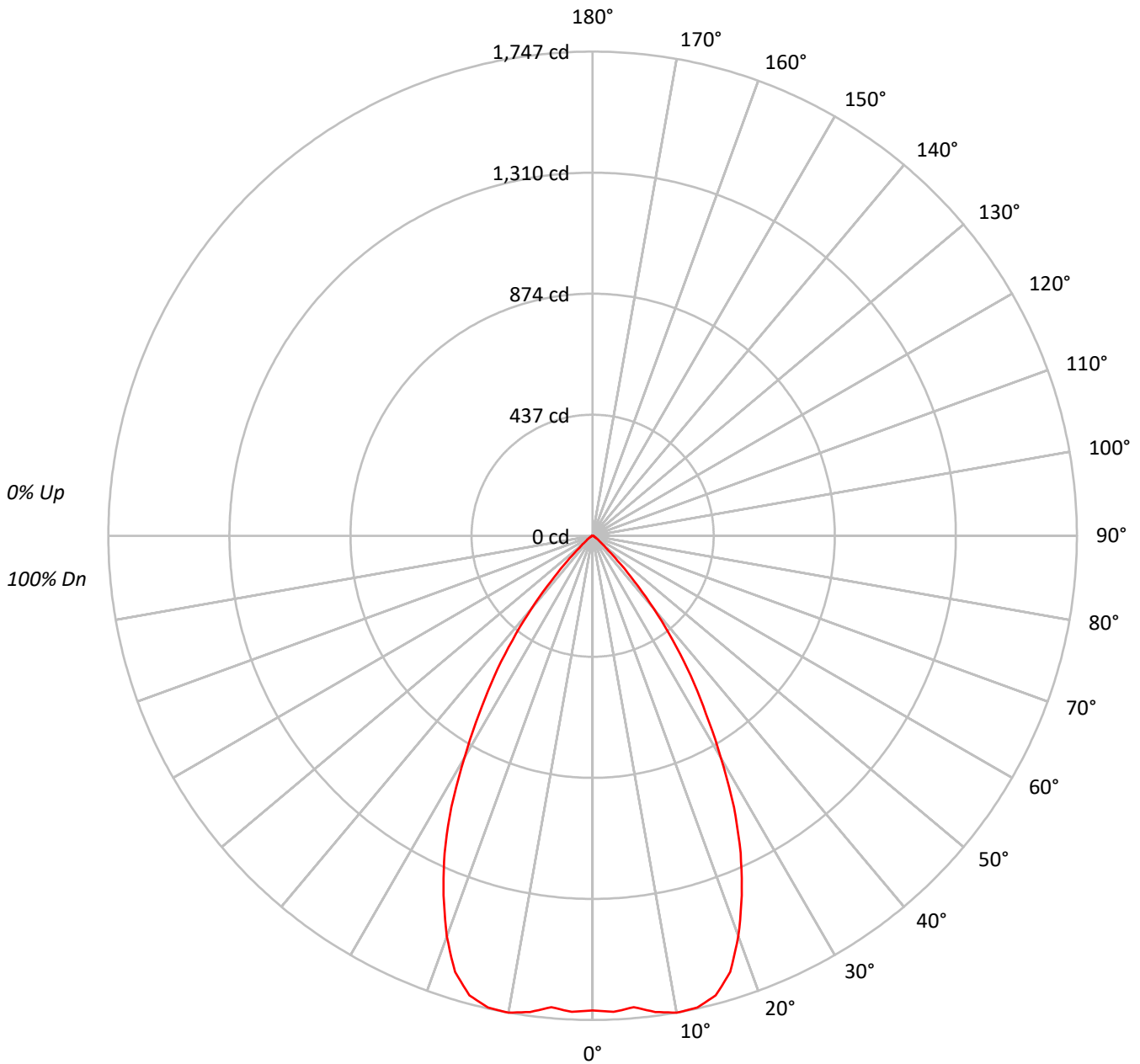
Downlight



TEST NUMBER: P746535

CATALOG NUMBER: LD4D30D010-EU4DR6520359027-4LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P746535

CATALOG NUMBER: LD4D30D010-EU4DR6520359027-4LBSQW1B

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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	187098
5°	187242
10°	193845
15°	194162
20°	178758
25°	152310
30°	116600
35°	82377
40°	48622
45°	19747
50°	7156
55°	3981
60°	2294
65°	1267
70°	1310
75°	1013
80°	1070
85°	878

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19747 cd/sqm



TEST NUMBER: P746535

CATALOG NUMBER: LD4D30D010-EU4DR6520359027-4LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.9	9.5
10°-20°	475.6	27.3
20°-30°	570.6	32.8
30°-40°	383.5	22.1
40°-50°	114.8	6.6
50°-60°	20.3	1.2
60°-70°	5.8	0.3
70°-80°	2.8	0.2
80°-90°	0.9	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°	1211.2	69.6
0°-40°	1594.7	91.7
0°-60°	1729.7	99.5
0°-90°	1739.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1739.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1712	
5°	1707	165
15°	1716	476
25°	1263	571
35°	618	384
45°	128	115
55°	21	20
65°	5	6
75°	2	3
85°	1	1
90°	0	



TEST NUMBER: P746535

CATALOG NUMBER: LD4D30D010-EU4DR6520359027-4LBSQW1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	1712.4
2.5°	1719.7
5°	1707.2
7.5°	1733.1
10°	1747.2
12.5°	1743.7
15°	1716.5
17.5°	1649.8
20°	1537.4
22.5°	1405.0
25°	1263.4
27.5°	1103.5
30°	924.2
32.5°	761.6
35°	617.6
37.5°	475.3
40°	340.9
42.5°	222.6
45°	127.8
47.5°	67.7
50°	42.1
52.5°	29.2
55°	20.9
57.5°	15.1
60°	10.5
62.5°	6.8
65°	4.9
67.5°	4.4
70°	4.1
72.5°	3.2
75°	2.4
77.5°	2.2
80°	1.7
82.5°	1.2
85°	0.7
87.5°	0.5
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)