

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: P746561

Luminaire Tested: LD4D30D010-EU4DR6520359035-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746561
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-EU4DR6520359035-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1895.7 lumens
Efficiency: N/A
Efficacy: 65.4 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



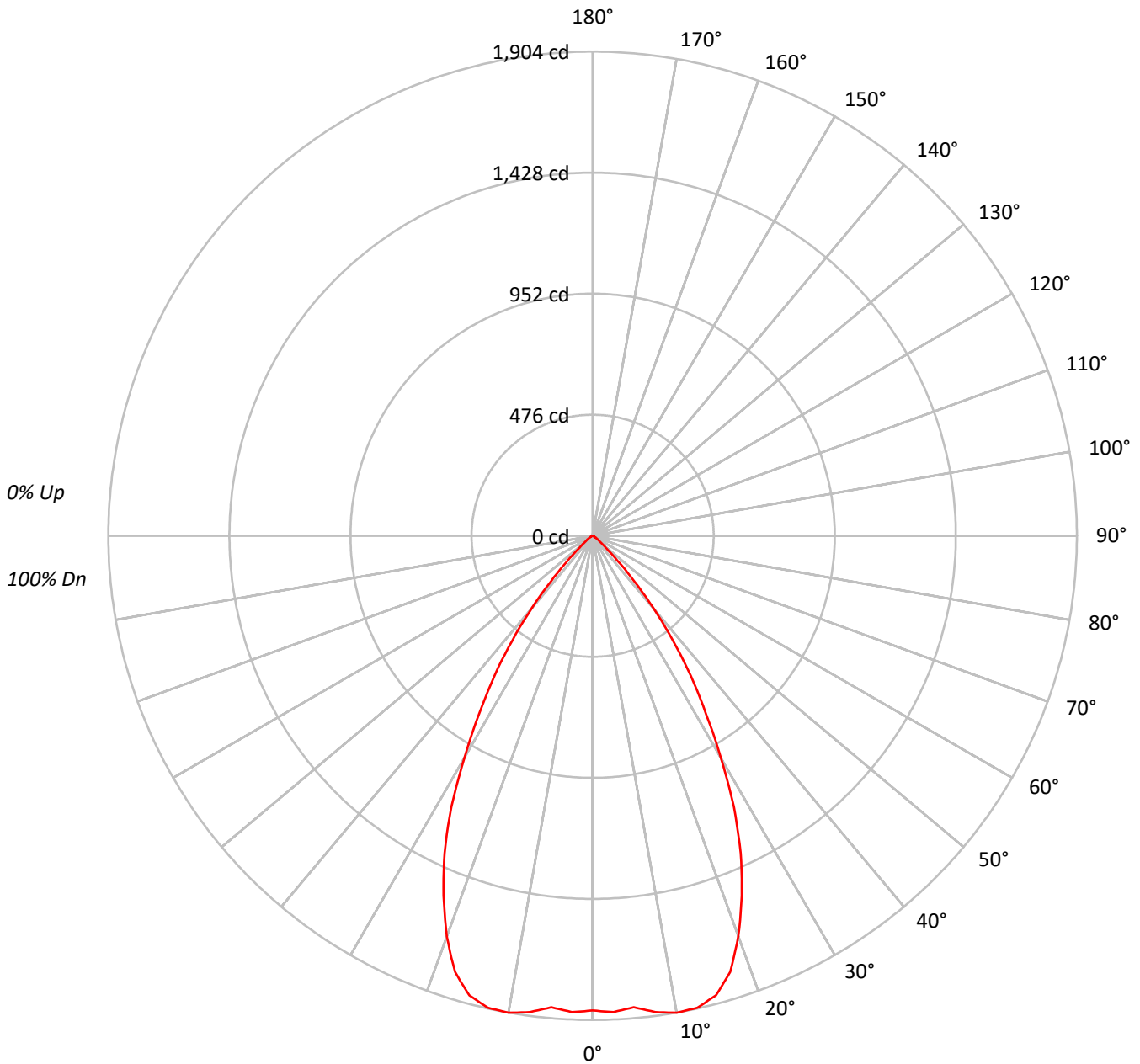
Downlight



TEST NUMBER: P746561

CATALOG NUMBER: LD4D30D010-EU4DR6520359035-4LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P746561

CATALOG NUMBER: LD4D30D010-EU4DR6520359035-4LBSQW1B

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
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°	203946
5°	204100
10°	211297
15°	211638
20°	194850
25°	166018
30°	127097
35°	89793
40°	53001
45°	21509
50°	7802
55°	4343
60°	2491
65°	1370
70°	1438
75°	1098
80°	1133
85°	1003

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21509 cd/sqm



TEST NUMBER: P746561

CATALOG NUMBER: LD4D30D010-EU4DR6520359035-4LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.7	9.5
10°-20°	518.4	27.3
20°-30°	622.0	32.8
30°-40°	418.0	22.1
40°-50°	125.1	6.6
50°-60°	22.1	1.2
60°-70°	6.3	0.3
70°-80°	3.0	0.2
80°-90°	1.0	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°	1320.2	69.6
0°-40°	1738.2	91.7
0°-60°	1885.4	99.5
0°-90°	1895.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1895.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1867	
5°	1861	180
15°	1871	518
25°	1377	622
35°	673	418
45°	139	125
55°	23	22
65°	5	6
75°	3	3
85°	1	1
90°	0	



TEST NUMBER: P746561

CATALOG NUMBER: LD4D30D010-EU4DR6520359035-4LBSQW1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	1866.6
2.5°	1874.5
5°	1860.9
7.5°	1889.1
10°	1904.5
12.5°	1900.8
15°	1871.0
17.5°	1798.4
20°	1675.8
22.5°	1531.6
25°	1377.1
27.5°	1202.9
30°	1007.4
32.5°	830.2
35°	673.2
37.5°	518.0
40°	371.6
42.5°	242.7
45°	139.2
47.5°	73.7
50°	45.9
52.5°	31.9
55°	22.8
57.5°	16.4
60°	11.4
62.5°	7.4
65°	5.3
67.5°	4.8
70°	4.5
72.5°	3.4
75°	2.6
77.5°	2.4
80°	1.8
82.5°	1.3
85°	0.8
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)