

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: P757016

Luminaire Tested: LD6D02D010-EU6DR200210IC9040-6LBCSSQMMS

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D02D010-EU6DR200210IC9040-6LBCSSQMMS
Description: 6 INCH SQAURE SHALLOW CAST MATTE METALLIC SILVER TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 389.5 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 5.1
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

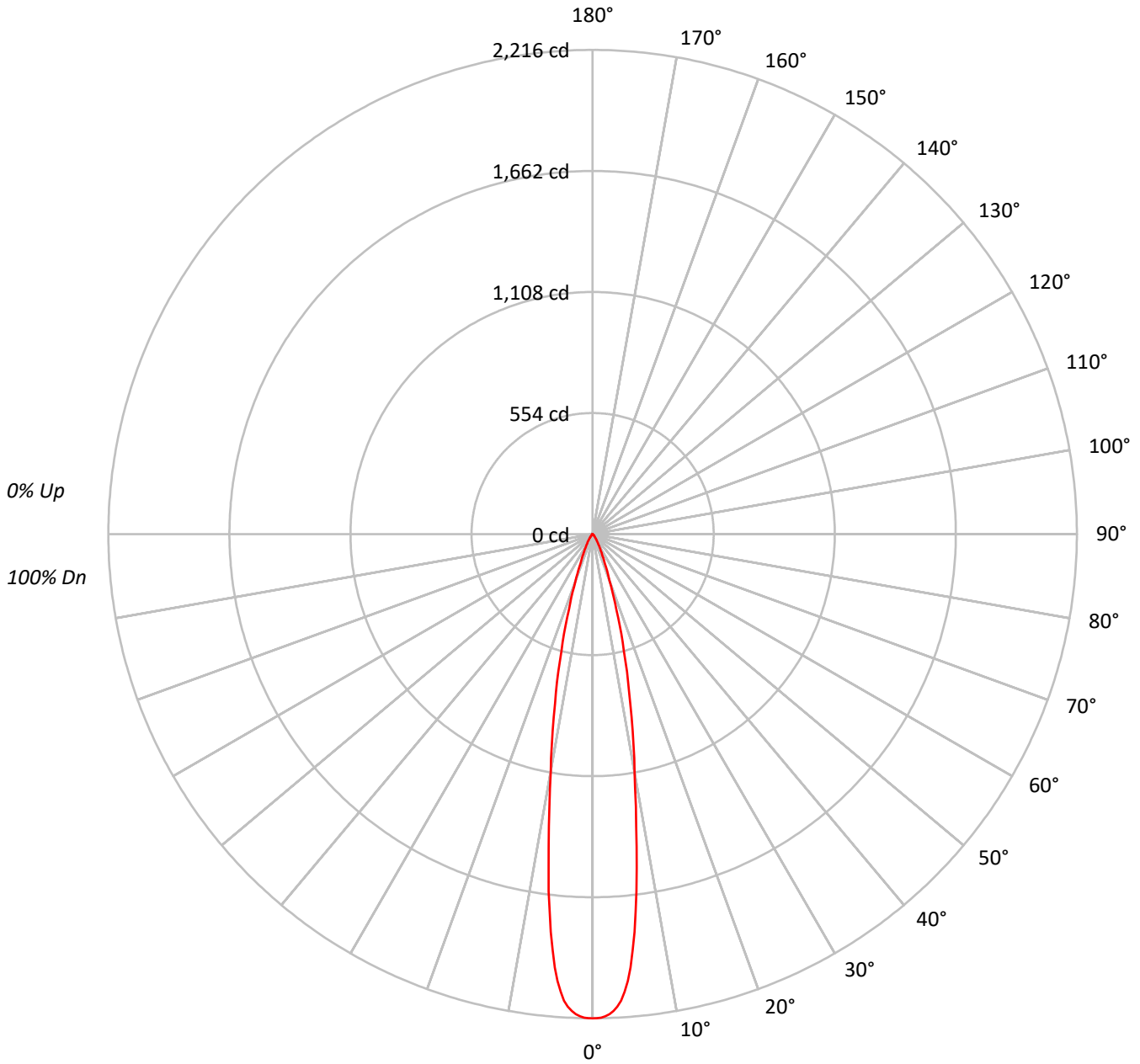


Downlight



TEST NUMBER: P757016
CATALOG NUMBER: LD6D02D010-EU6DR200210IC9040-6LBCSSQMMS

Luminous Intensity Polar Plot





TEST NUMBER: P757016

CATALOG NUMBER: LD6D02D010-EU6DR200210IC9040-6LBCSSQMMS

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	115	113	111	109	113	111	109	108	107	106	104		103	102	101		100	99	98	97
2	111	108	105	102	109	106	104	101	103	101	99		100	99	97		98	96	95	94
3	108	103	100	97	106	102	99	96	100	97	95		97	95	93		95	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91		95	92	90		93	91	89	88
5	102	96	92	89	100	95	91	89	93	90	88		92	89	87		91	88	86	85
6	99	93	89	86	98	92	88	86	91	87	85		90	87	84		88	86	84	83
7	96	90	86	83	95	89	86	83	88	85	82		87	84	82		86	84	82	81
8	94	87	83	81	93	87	83	80	86	83	80		85	82	80		84	82	80	79
9	91	85	81	78	91	85	81	78	84	80	78		83	80	78		82	80	78	77
10	89	83	79	76	88	82	79	76	82	78	76		81	78	76		81	78	76	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	242176
5°	218490
10°	122629
15°	62338
20°	26394
25°	12188
30°	6447
35°	3481
40°	1854
45°	1097
50°	646
55°	343
60°	219
65°	155
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1097 cd/sqm



TEST NUMBER: P757016

CATALOG NUMBER: LD6D02D010-EU6DR200210IC9040-6LBCSSQMMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.8	40.5
10°-20°	155.4	39.9
20°-30°	50.8	13.0
30°-40°	17.3	4.4
40°-50°	5.8	1.5
50°-60°	1.8	0.5
60°-70°	0.6	0.2
70°-80°	0.0	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°	364.0	93.5
0°-40°	381.3	97.9
0°-60°	388.9	99.8
0°-90°	389.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	389.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2216	
5°	1992	158
15°	551	155
25°	101	51
35°	26	17
45°	7	6
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P757016

CATALOG NUMBER: LD6D02D010-EU6DR200210IC9040-6LBCSSQMMS

CANDELA DISTRIBUTION (FULL):

	0°
0°	2216.5
0.5°	2216.5
1°	2213.8
1.5°	2208.2
2°	2198.2
2.5°	2184.7
3°	2165.8
3.5°	2139.3
4°	2100.1
4.5°	2052.3
5°	1992.1
5.5°	1913.0
6°	1831.8
6.5°	1738.9
7°	1647.9
7.5°	1541.3
8°	1446.2
8.5°	1350.4
9°	1262.0
9.5°	1180.9
10°	1105.3
12.5°	793.6
15°	551.1
17.5°	360.0
20°	227.0
22.5°	147.0
25°	101.1
27.5°	71.1
30°	51.1
32.5°	36.7
35°	26.1
37.5°	18.2
40°	13.0
42.5°	9.5
45°	7.1
47.5°	5.5
50°	3.8
52.5°	2.4
55°	1.8
57.5°	1.4
60°	1.0
62.5°	0.8
65°	0.6



TEST NUMBER: P757016
CATALOG NUMBER: LD6D02D010-EU6DR200210IC9040-6LBCSSQMMS

CANDELA DISTRIBUTION (continued):

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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





67.5°		0.4
70°		0.2

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

Scaled Data Report



(END OF REPORT)