

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: P757144

Luminaire Tested: LD6D02D010-EU6DR300210IC9027-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757144
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D02D010-EU6DR300210IC9027-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 288.2 lumens
Efficiency: N/A
Efficacy: 56.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' 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



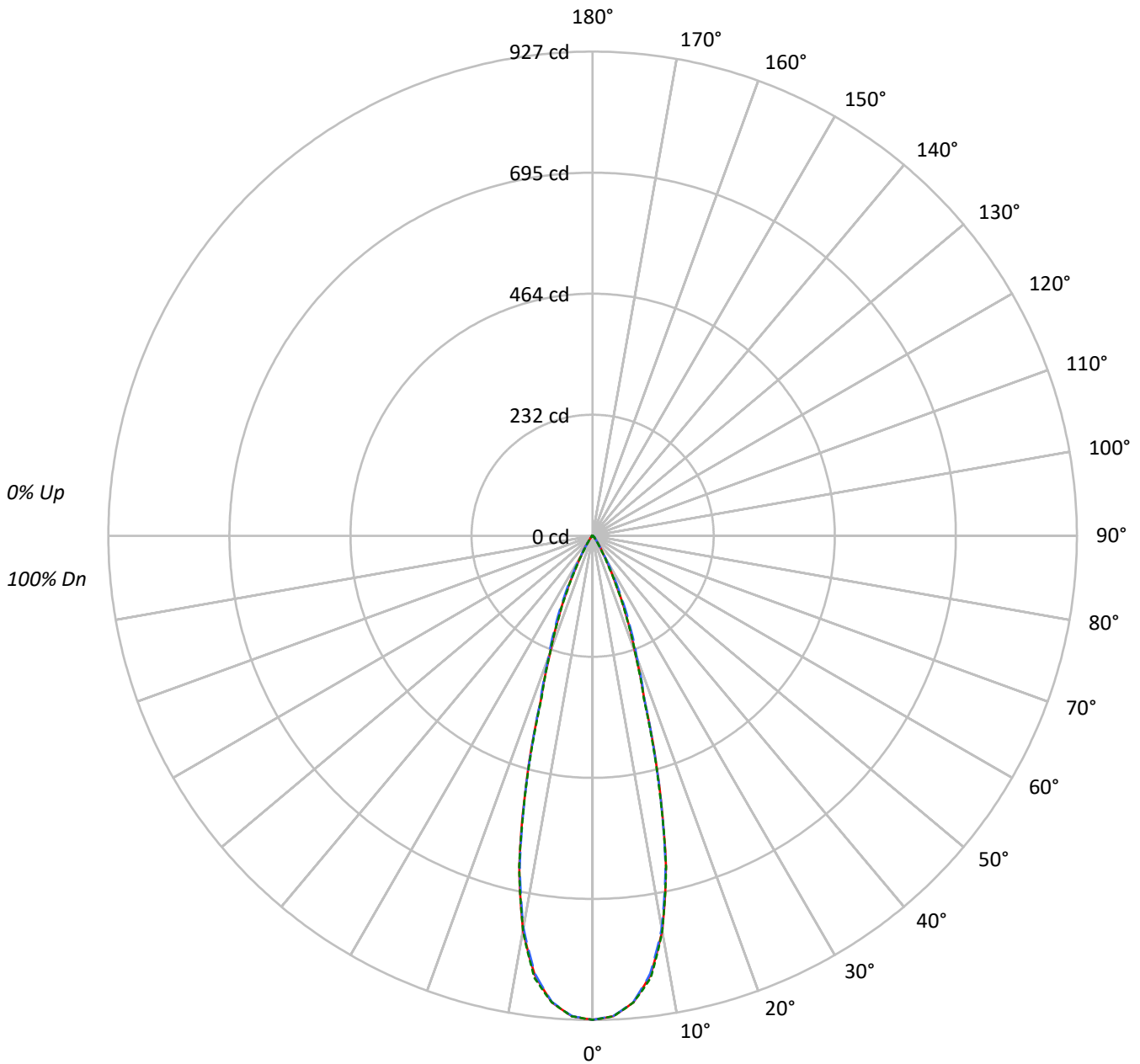
Downlight



TEST NUMBER: P757144

CATALOG NUMBER: LD6D02D010-EU6DR300210IC9027-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P757144

CATALOG NUMBER: LD6D02D010-EU6DR300210IC9027-6LBSQW1MW

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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	70933	70933	70933
5°	68899	68814	68899
10°	59677	59257	59661
15°	38932	38726	38528
20°	19362	20087	19338
25°	9746	10996	9552
30°	3907	4251	3403
35°	1813	1738	1458
40°	779	869	739
45°	552	682	563
50°	191	500	202
55°	107	200	120
60°	77	92	77
65°	54	54	54
70°	22	22	22
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 682 cd/sqm



TEST NUMBER: P757144

CATALOG NUMBER: LD6D02D010-EU6DR300210IC9027-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.5	28.3
10°-20°	131.2	45.5
20°-30°	56.7	19.7
30°-40°	12.9	4.5
40°-50°	4.4	1.5
50°-60°	1.1	0.4
60°-70°	0.3	0.1
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°	269.4	93.5
0°-40°	282.4	98.0
0°-60°	287.9	99.9
0°-90°	288.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	288.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	927	927	927	927	927	
5°	897	896	896	898	897	82
15°	491	485	489	487	486	132
25°	115	120	130	117	113	55
35°	19	20	19	18	16	13
45°	5	6	6	6	5	4
55°	1	1	2	1	1	1
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P757144

CATALOG NUMBER: LD6D02D010-EU6DR300210IC9027-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	926.7	926.7	926.7	926.7	926.7
2.5°	920.6	919.9	920.3	920.7	920.9
5°	896.7	895.8	895.6	897.5	896.7
7.5°	848.5	847.2	845.4	849.6	853.6
10°	767.8	766.4	762.4	764.4	767.6
12.5°	648.6	644.2	644.1	650.5	649.6
15°	491.3	485.4	488.7	487.1	486.2
17.5°	330.4	328.1	332.5	331.2	325.5
20°	237.7	238.3	246.6	242.4	237.4
22.5°	173.4	175.6	185.5	174.6	170.7
25°	115.4	119.9	130.2	116.8	113.1
27.5°	71.0	73.1	83.5	70.1	68.1
30°	44.2	43.2	48.1	41.3	38.5
32.5°	29.0	27.7	29.3	26.3	24.0
35°	19.4	19.8	18.6	18.4	15.6
37.5°	12.1	13.9	12.3	13.1	10.0
40°	7.8	10.1	8.7	9.6	7.4
42.5°	6.4	7.8	7.2	7.6	6.5
45°	5.1	6.3	6.3	6.3	5.2
47.5°	2.8	4.2	5.4	4.3	3.0
50°	1.6	2.1	4.2	2.2	1.7
52.5°	1.1	1.2	2.9	1.3	1.1
55°	0.8	0.9	1.5	0.9	0.9
57.5°	0.6	0.7	0.8	0.7	0.6
60°	0.5	0.5	0.6	0.6	0.5
62.5°	0.3	0.3	0.4	0.3	0.3
65°	0.3	0.3	0.3	0.3	0.3
67.5°	0.1	0.2	0.2	0.2	0.2
70°	0.1	0.1	0.1	0.1	0.1
72.5°	0.1	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)