

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: P760069

Luminaire Tested: LD6D10D010-EU6DR200210IC9040-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760069
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: LD6D10D010-EU6DR200210IC9040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1032.5 lumens
Efficiency: N/A
Efficacy: 88.3 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): 11.7
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



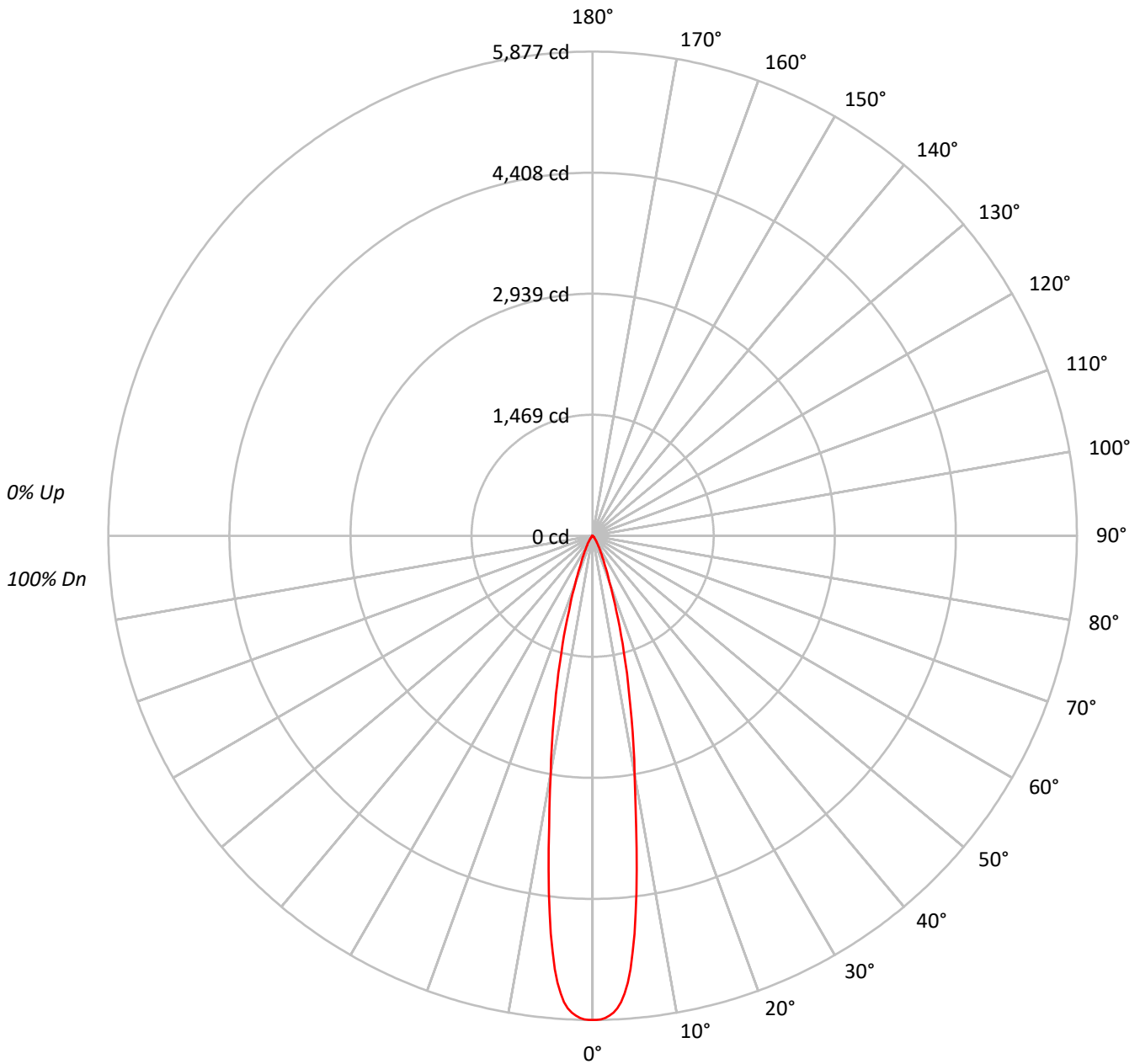
Downlight



TEST NUMBER: P760069

CATALOG NUMBER: LD6D10D010-EU6DR200210IC9040-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P760069

CATALOG NUMBER: LD6D10D010-EU6DR200210IC9040-6LBSQW1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	642147
5°	579331
10°	325150
15°	165284
20°	69973
25°	32309
30°	17095
35°	9217
40°	4921
45°	2905
50°	1683
55°	895
60°	568
65°	414
70°	160
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2905 cd/sqm



TEST NUMBER: P760069

CATALOG NUMBER: LD6D10D010-EU6DR200210IC9040-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.4	40.5
10°-20°	412.0	39.9
20°-30°	134.6	13.0
30°-40°	45.8	4.4
40°-50°	15.4	1.5
50°-60°	4.6	0.4
60°-70°	1.5	0.1
70°-80°	0.1	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°	965.1	93.5
0°-40°	1010.9	97.9
0°-60°	1030.9	99.8
0°-90°	1032.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1032.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5877	
5°	5282	418
15°	1461	412
25°	268	135
35°	69	46
45°	19	15
55°	5	5
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P760069

CATALOG NUMBER: LD6D10D010-EU6DR200210IC9040-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	5877.2
0.5°	5877.2
1°	5869.8
1.5°	5855.2
2°	5828.5
2.5°	5792.9
3°	5742.7
3.5°	5672.5
4°	5568.4
4.5°	5441.7
5°	5282.1
5.5°	5072.2
6°	4857.2
6.5°	4610.7
7°	4369.4
7.5°	4086.8
8°	3834.5
8.5°	3580.7
9°	3346.3
9.5°	3131.2
10°	2930.7
12.5°	2104.4
15°	1461.2
17.5°	954.6
20°	601.8
22.5°	389.9
25°	268.0
27.5°	188.4
30°	135.5
32.5°	97.3
35°	69.1
37.5°	48.1
40°	34.5
42.5°	25.1
45°	18.8
47.5°	14.7
50°	9.9
52.5°	6.3
55°	4.7
57.5°	3.7
60°	2.6
62.5°	2.1
65°	1.6



TEST NUMBER: P760069
CATALOG NUMBER: LD6D10D010-EU6DR200210IC9040-6LBSQW1MW

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



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

Scaled Data Report



67.5°		1.0
70°		0.5

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

Scaled Data Report



(END OF REPORT)