

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: P757689

Luminaire Tested: LD6D02D010-EU6DR650210IC9027-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P757689
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: LD6D02D010-EU6DR650210IC9027-6LBSQW1B
Description: 6 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: 235.4 lumens
Efficiency: N/A
Efficacy: 46.2 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): 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



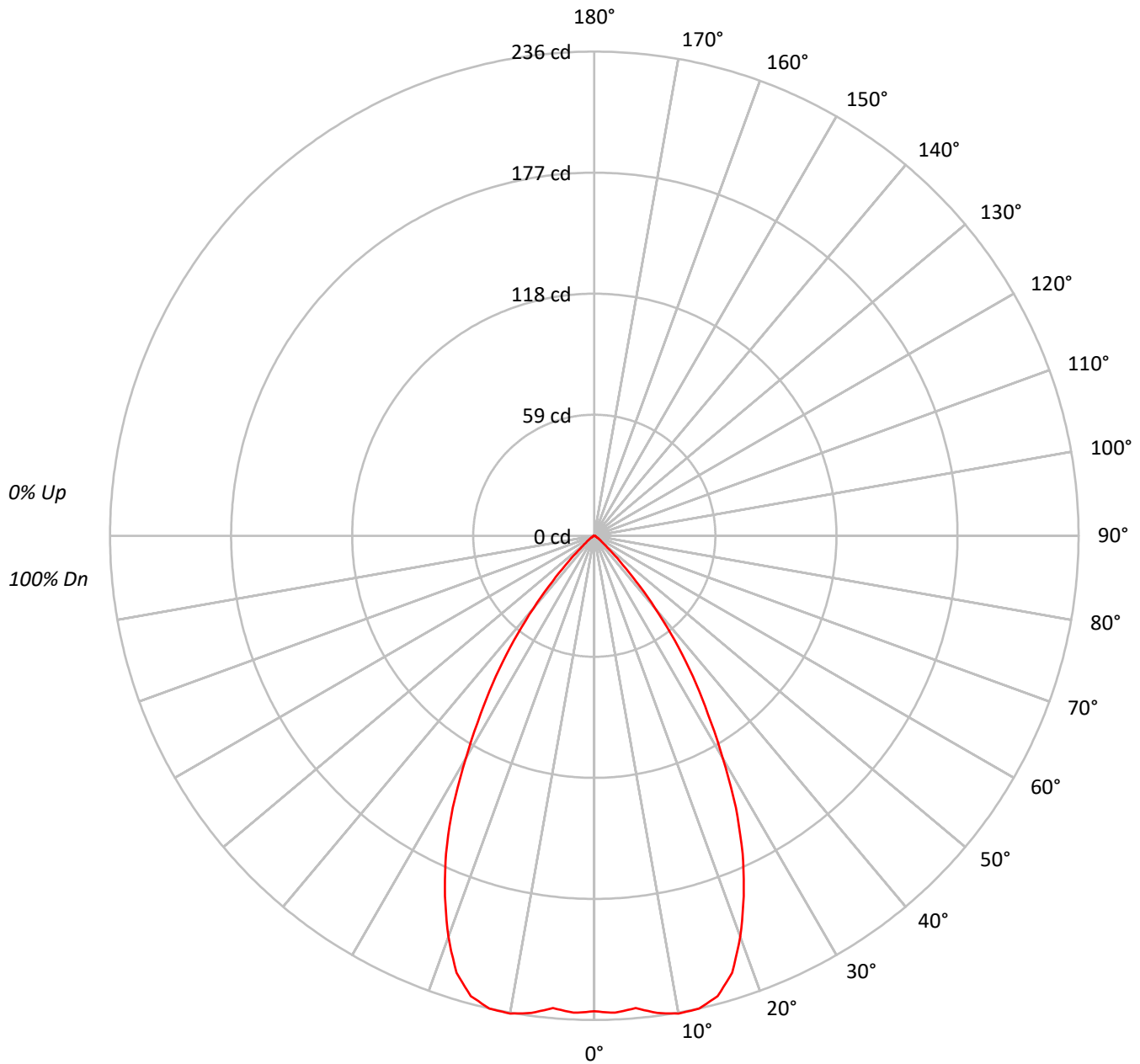
Downlight



TEST NUMBER: P757689

CATALOG NUMBER: LD6D02D010-EU6DR650210IC9027-6LBSQW1B

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	25327
5°	25347
10°	26239
15°	26277
20°	24185
25°	20615
30°	15783
35°	11151
40°	6575
45°	2673
50°	969
55°	533
60°	306
65°	155
70°	192
75°	127
80°	126
85°	125

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2673 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.3	9.5
10°-20°	64.4	27.3
20°-30°	77.2	32.8
30°-40°	51.9	22.0
40°-50°	15.5	6.6
50°-60°	2.8	1.2
60°-70°	0.8	0.3
70°-80°	0.4	0.2
80°-90°	0.1	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°	163.9	69.6
0°-40°	215.8	91.7
0°-60°	234.1	99.5
0°-90°	235.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	235.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	232	
5°	231	22
15°	232	64
25°	171	77
35°	84	52
45°	17	16
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	231.8
2.5°	232.7
5°	231.1
7.5°	234.6
10°	236.5
12.5°	236.0
15°	232.3
17.5°	223.3
20°	208.0
22.5°	190.2
25°	171.0
27.5°	149.4
30°	125.1
32.5°	103.1
35°	83.6
37.5°	64.3
40°	46.1
42.5°	30.1
45°	17.3
47.5°	9.2
50°	5.7
52.5°	4.0
55°	2.8
57.5°	2.1
60°	1.4
62.5°	0.9
65°	0.6
67.5°	0.6
70°	0.6
72.5°	0.4
75°	0.3
77.5°	0.3
80°	0.2
82.5°	0.2
85°	0.1
87.5°	0.1
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180°







(END OF REPORT)