

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: P756987

Luminaire Tested: LD6D02D010-EU6DR200210IC9027-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756987
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-EU6DR200210IC9027-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 297.4 lumens
Efficiency: N/A
Efficacy: 58.3 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): 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



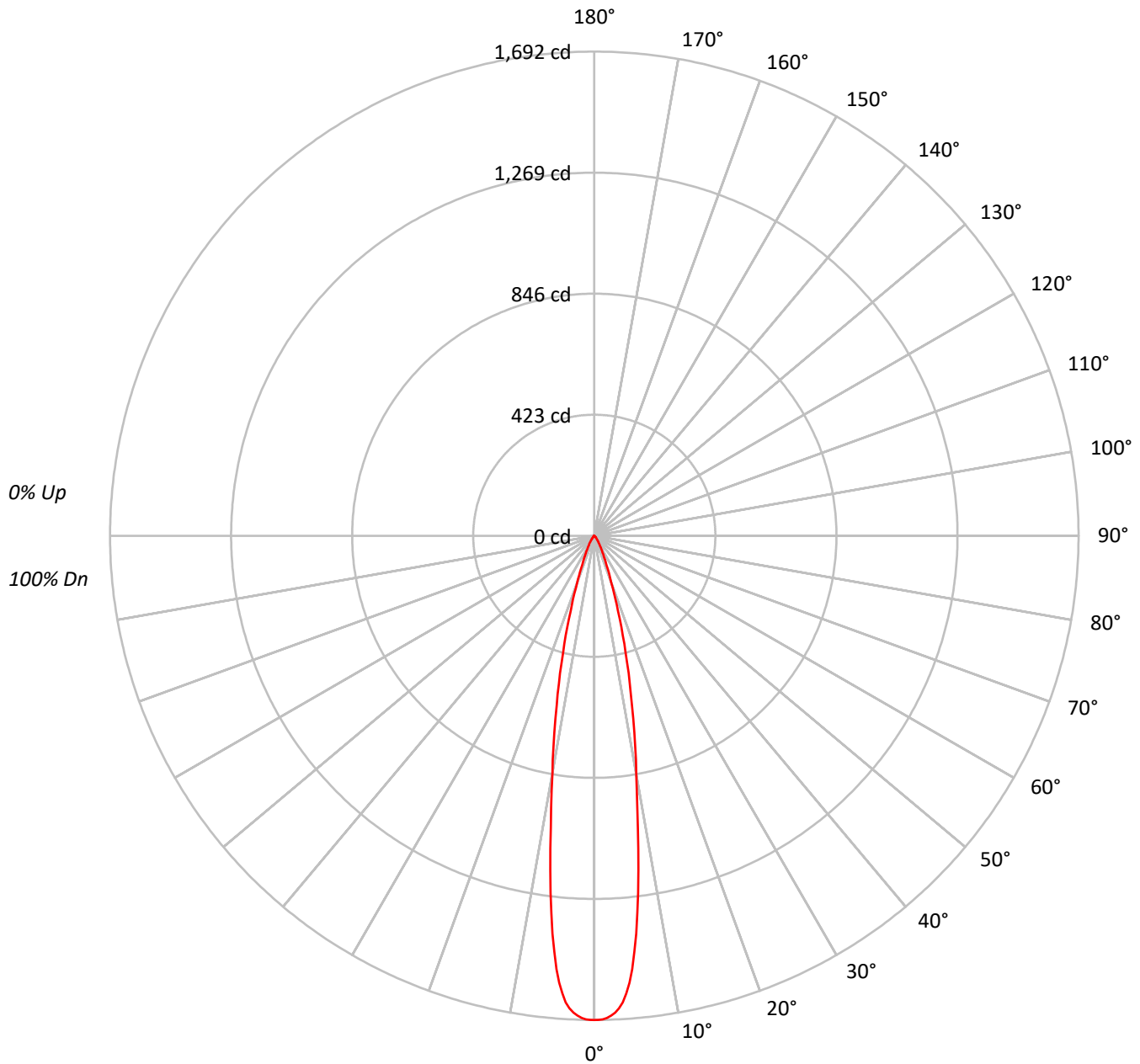
Downlight



TEST NUMBER: P756987

CATALOG NUMBER: LD6D02D010-EU6DR200210IC9027-6LBSQW1B

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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	115	113	111	109		113	111	109	108		107	106	104		103	102	101		100	99	98
2	111	108	105	102		109	106	104	101		103	101	99		100	99	97		98	96	95
3	108	103	100	97		106	102	99	96		100	97	95		97	95	93		95	93	92
4	105	99	96	93		103	98	95	92		96	93	91		95	92	90		93	91	89
5	102	96	92	89		100	95	91	89		93	90	88		92	89	87		91	88	86
6	99	93	89	86		98	92	88	86		91	87	85		90	87	84		88	86	84
7	96	90	86	83		95	89	86	83		88	85	82		87	84	82		86	84	82
8	94	87	83	81		93	87	83	80		86	83	80		85	82	80		84	82	80
9	91	85	81	78		91	85	81	78		84	80	78		83	80	78		82	80	78
10	89	83	79	76		88	82	79	76		82	78	76		81	78	76		81	78	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	184902
5°	166809
10°	93628
15°	47588
20°	20150
25°	9307
30°	4920
35°	2654
40°	1412
45°	834
50°	493
55°	267
60°	175
65°	129
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 834 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.5	40.5
10°-20°	118.6	39.9
20°-30°	38.8	13.0
30°-40°	13.2	4.4
40°-50°	4.4	1.5
50°-60°	1.4	0.5
60°-70°	0.5	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°	277.9	93.5
0°-40°	291.1	97.9
0°-60°	296.9	99.8
0°-90°	297.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	297.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1692	
5°	1521	120
15°	421	119
25°	77	39
35°	20	13
45°	5	4
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1692.3
0.5°	1692.3
1°	1690.1
1.5°	1685.9
2°	1678.2
2.5°	1668.0
3°	1653.5
3.5°	1633.3
4°	1603.3
4.5°	1566.9
5°	1520.9
5.5°	1460.5
6°	1398.6
6.5°	1327.6
7°	1258.1
7.5°	1176.7
8°	1104.1
8.5°	1031.0
9°	963.5
9.5°	901.6
10°	843.9
12.5°	605.9
15°	420.7
17.5°	274.9
20°	173.3
22.5°	112.3
25°	77.2
27.5°	54.2
30°	39.0
32.5°	28.0
35°	19.9
37.5°	13.9
40°	9.9
42.5°	7.2
45°	5.4
47.5°	4.2
50°	2.9
52.5°	1.8
55°	1.4
57.5°	1.1
60°	0.8
62.5°	0.6
65°	0.5



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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



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— 0°-180°







67.5°	0.3
70°	0.2



(END OF REPORT)