

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: P762017

Luminaire Tested: LD6D20D010-EU6DR2015309027-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762017
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: LD6D20D010-EU6DR2015309027-6LBDP1B
Description: 6 INCH ROUND 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: 1687.1 lumens
Efficiency: N/A
Efficacy: 73.0 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): 23.1
Input Voltage (V): NR
Input Current (A_{in}): 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



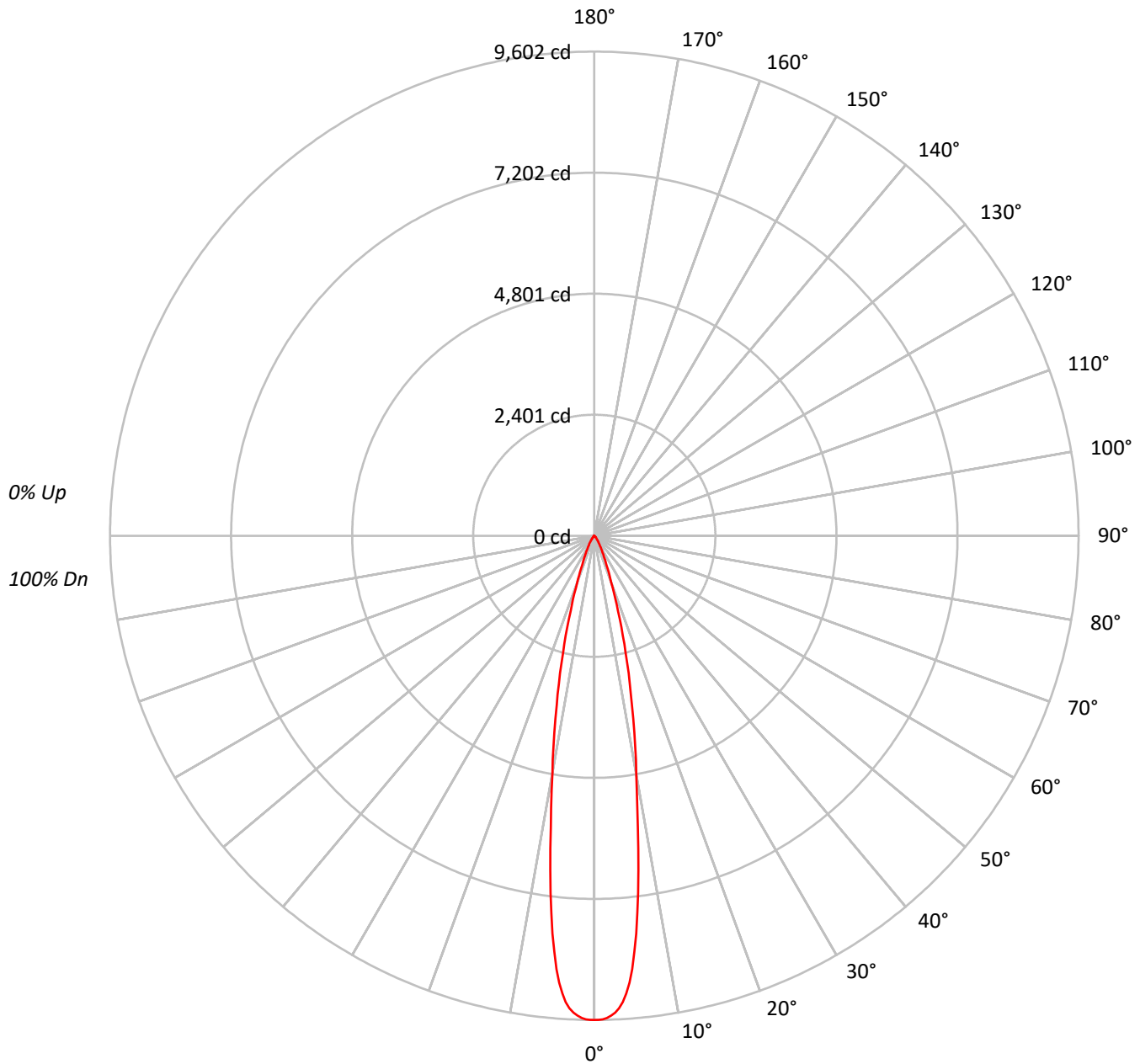
Downlight



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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		94	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°	1049165
5°	946544
10°	531255
15°	270040
20°	114331
25°	52779
30°	27945
35°	15059
40°	8044
45°	4759
50°	2754
55°	1467
60°	940
65°	672
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4759 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	683.7	40.5
10°-20°	673.2	39.9
20°-30°	219.9	13.0
30°-40°	74.9	4.4
40°-50°	25.2	1.5
50°-60°	7.6	0.4
60°-70°	2.5	0.2
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°	1576.8	93.5
0°-40°	1651.7	97.9
0°-60°	1684.4	99.8
0°-90°	1687.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1687.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9602	
5°	8630	684
15°	2387	673
25°	438	220
35°	113	75
45°	31	25
55°	8	8
65°	3	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9602.4
0.5°	9602.4
1°	9590.4
1.5°	9566.5
2°	9522.9
2.5°	9464.7
3°	9382.6
3.5°	9268.0
4°	9097.9
4.5°	8891.0
5°	8630.2
5.5°	8287.3
6°	7935.9
6.5°	7533.1
7°	7138.9
7.5°	6677.2
8°	6265.1
8.5°	5850.4
9°	5467.3
9.5°	5115.9
10°	4788.4
12.5°	3438.2
15°	2387.3
17.5°	1559.6
20°	983.3
22.5°	637.0
25°	437.8
27.5°	307.8
30°	221.5
32.5°	159.0
35°	112.9
37.5°	78.7
40°	56.4
42.5°	41.0
45°	30.8
47.5°	23.9
50°	16.2
52.5°	10.3
55°	7.7
57.5°	6.0
60°	4.3
62.5°	3.4
65°	2.6



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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°	1.7
70°	0.9



(END OF REPORT)