

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: P762020

Luminaire Tested: LD6D20D010-EU6DR2015309027-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762020
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-EU6DR2015309027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1813.8 lumens
Efficiency: N/A
Efficacy: 78.5 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 (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



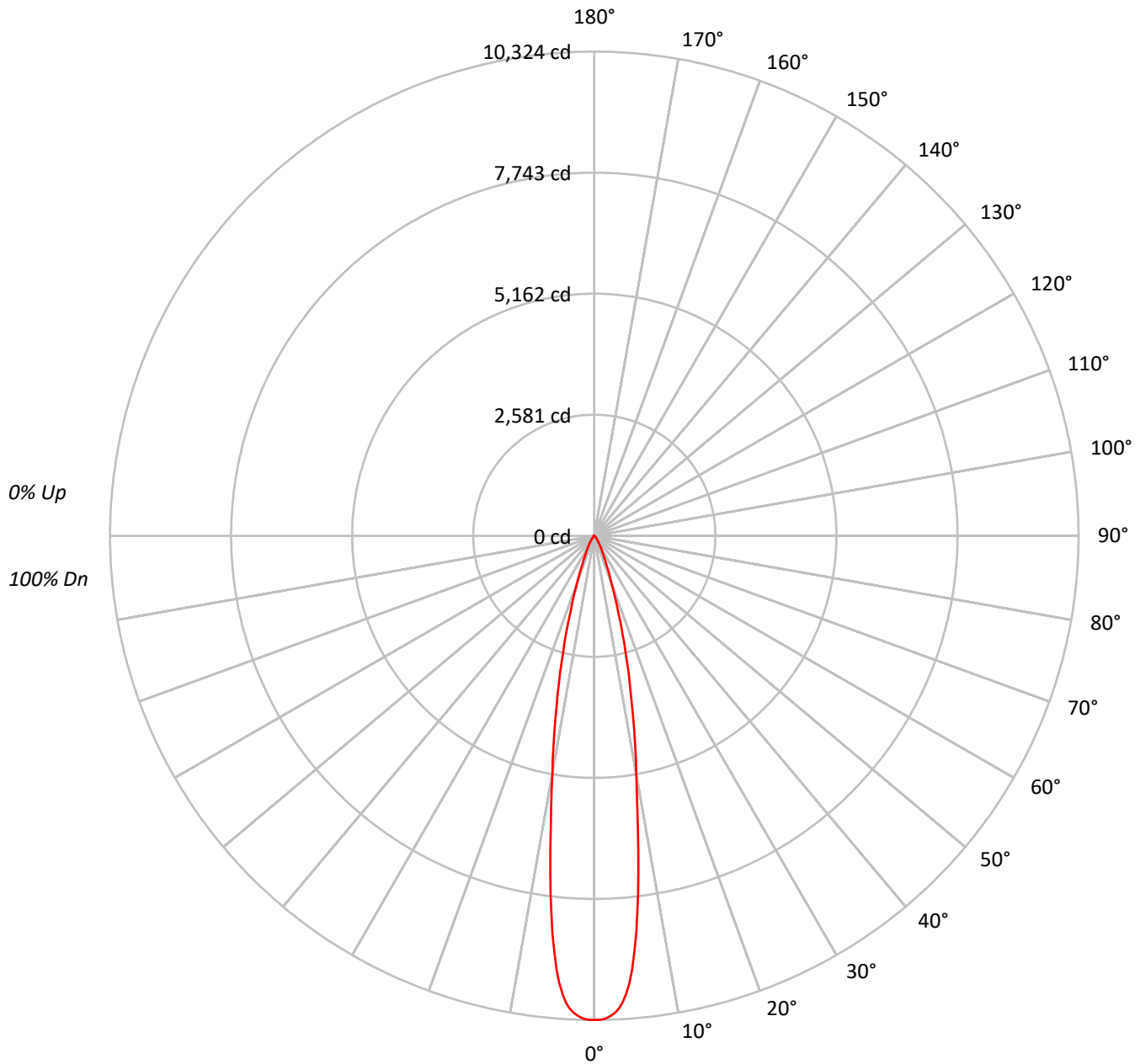
Downlight



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1127986
5°	1017659
10°	571163
15°	290332
20°	122924
25°	56746
30°	30040
35°	16179
40°	8658
45°	5115
50°	2975
55°	1581
60°	1005
65°	724
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5115 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	735.0	40.5
10°-20°	723.8	39.9
20°-30°	236.5	13.0
30°-40°	80.5	4.4
40°-50°	27.1	1.5
50°-60°	8.1	0.4
60°-70°	2.7	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°	1695.3	93.5
0°-40°	1775.8	97.9
0°-60°	1811.0	99.8
0°-90°	1813.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1813.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10324	
5°	9279	735
15°	2567	724
25°	471	236
35°	121	81
45°	33	27
55°	8	8
65°	3	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10323.8
0.5°	10323.8
1°	10310.9
1.5°	10285.2
2°	10238.3
2.5°	10175.8
3°	10087.5
3.5°	9964.4
4°	9781.4
4.5°	9558.9
5°	9278.6
5.5°	8909.9
6°	8532.1
6.5°	8099.1
7°	7675.3
7.5°	7178.9
8°	6735.8
8.5°	6289.9
9°	5878.0
9.5°	5500.2
10°	5148.1
12.5°	3696.5
15°	2566.7
17.5°	1676.8
20°	1057.2
22.5°	684.9
25°	470.7
27.5°	331.0
30°	238.1
32.5°	171.0
35°	121.3
37.5°	84.6
40°	60.7
42.5°	44.1
45°	33.1
47.5°	25.7
50°	17.5
52.5°	11.0
55°	8.3
57.5°	6.4
60°	4.6
62.5°	3.7
65°	2.8



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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°	1.8
70°	0.9



(END OF REPORT)