

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: P763948

Luminaire Tested: LD6D30D010-EU6DR2015309050-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763948
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: LD6D30D010-EU6DR2015309050-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3620.6 lumens
Efficiency: N/A
Efficacy: 124.8 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): 29
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



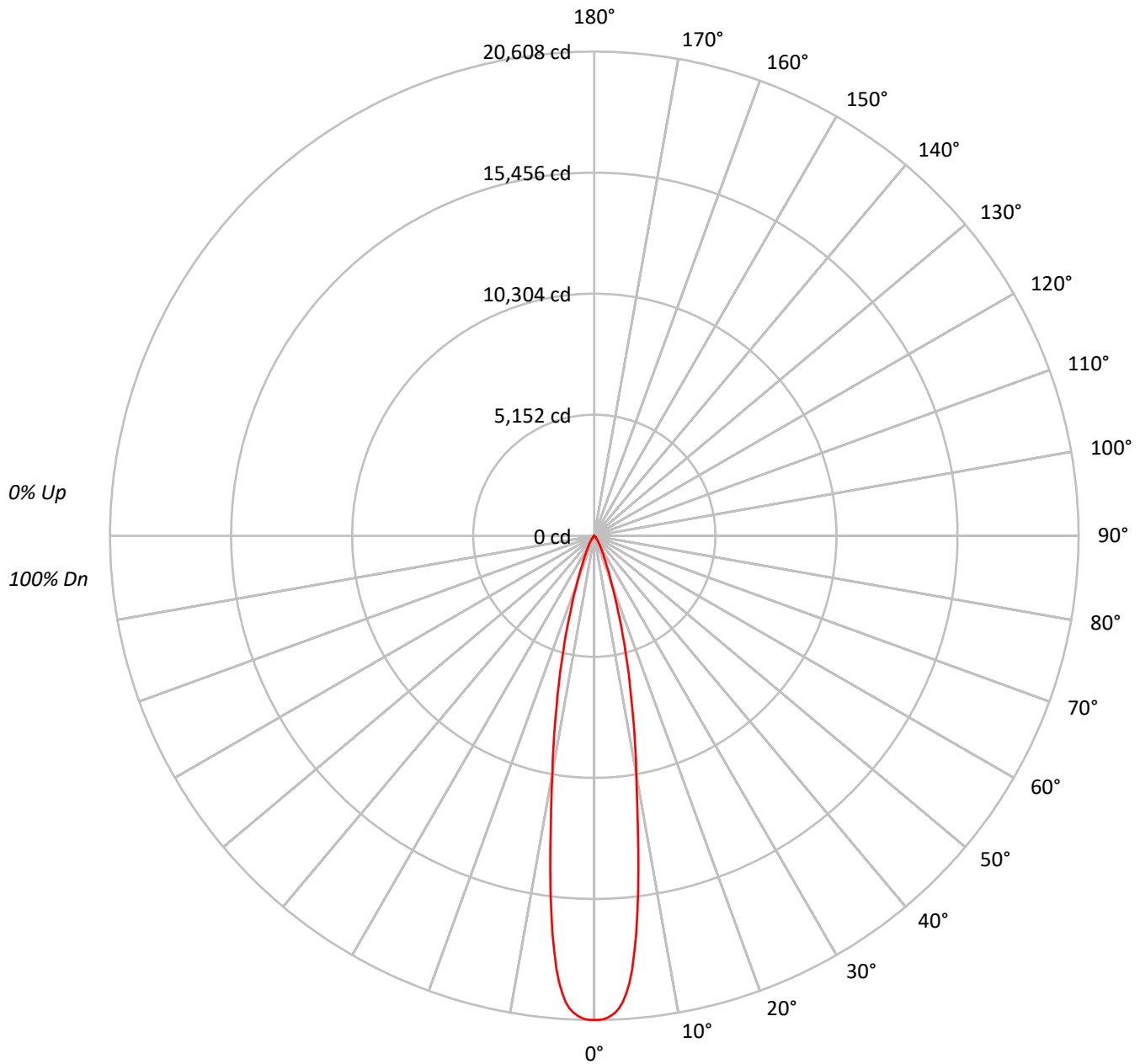
Downlight



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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
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°	2251613
5°	2031370
10°	1140117
15°	579545
20°	245371
25°	113262
30°	59965
35°	32305
40°	17272
45°	10214
50°	5932
55°	3143
60°	2010
65°	1422
70°	575
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10214 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1467.2	40.5
10°-20°	1444.8	39.9
20°-30°	472.0	13.0
30°-40°	160.7	4.4
40°-50°	54.0	1.5
50°-60°	16.3	0.4
60°-70°	5.4	0.1
70°-80°	0.2	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°	3384.0	93.5
0°-40°	3544.6	97.9
0°-60°	3615.0	99.8
0°-90°	3620.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3620.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20608	
5°	18521	###
15°	5124	1445
25°	940	472
35°	242	161
45°	66	54
55°	16	16
65°	6	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	20607.7
0.5°	20607.7
1°	20582.0
1.5°	20530.6
2°	20437.0
2.5°	20312.2
3°	20136.1
3.5°	19890.2
4°	19525.0
4.5°	19080.9
5°	18521.2
5.5°	17785.4
6°	17031.2
6.5°	16166.8
7°	15320.9
7.5°	14330.0
8°	13445.5
8.5°	12555.5
9°	11733.4
9.5°	10979.1
10°	10276.3
12.5°	7378.8
15°	5123.5
17.5°	3347.1
20°	2110.3
22.5°	1367.1
25°	939.5
27.5°	660.6
30°	475.3
32.5°	341.3
35°	242.2
37.5°	168.8
40°	121.1
42.5°	88.1
45°	66.1
47.5°	51.4
50°	34.9
52.5°	22.0
55°	16.5
57.5°	12.8
60°	9.2
62.5°	7.3
65°	5.5



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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°	3.7
70°	1.8



(END OF REPORT)