

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: P763895

Luminaire Tested: LD6D30D010-EU6DR2015309027-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763895
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-EU6DR2015309027-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3615.0 lumens
Efficiency: N/A
Efficacy: 124.7 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



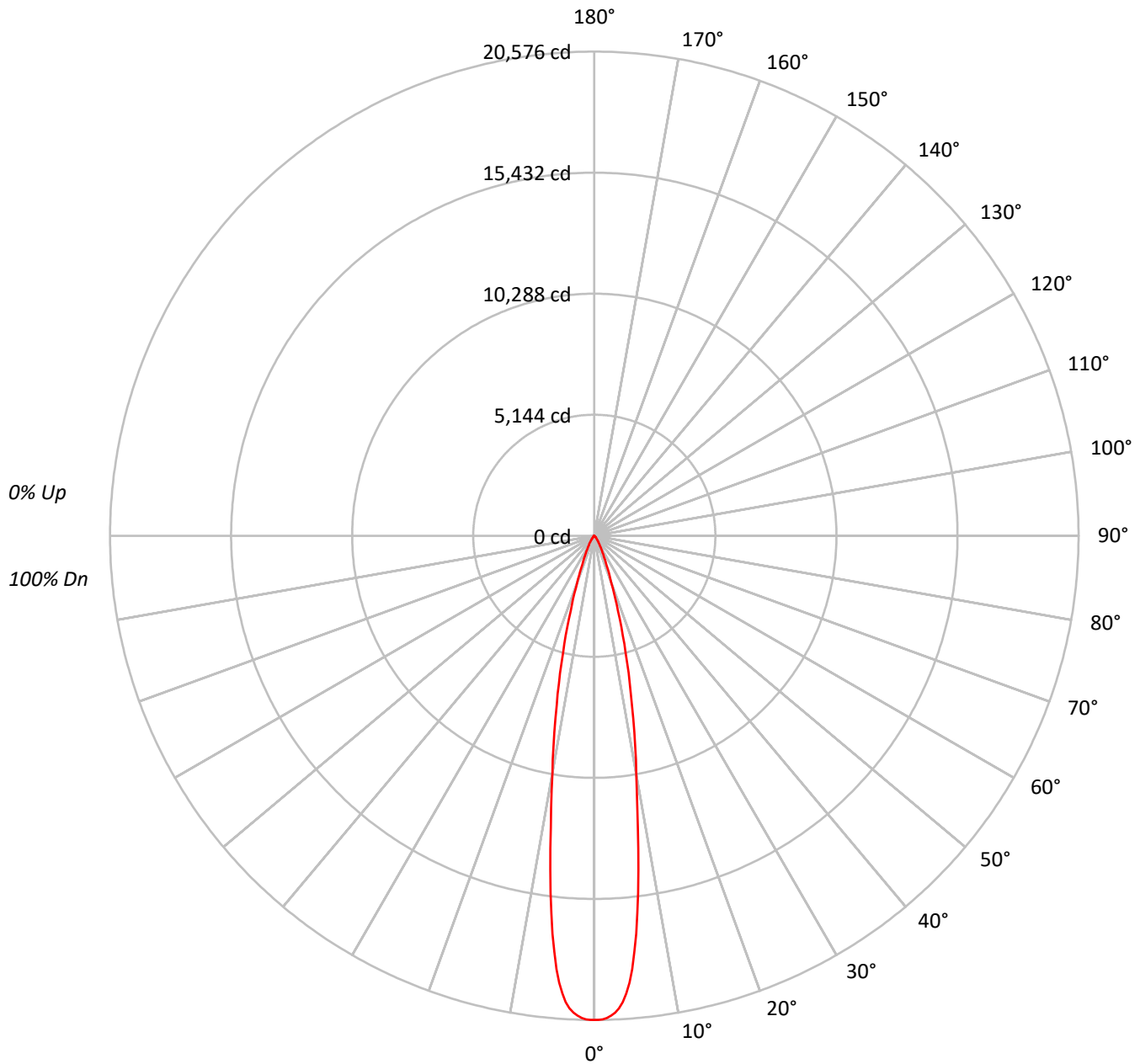
Downlight



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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°	2248127
5°	2028233
10°	1138353
15°	578640
20°	244987
25°	113093
30°	59865
35°	32265
40°	17244
45°	10198
50°	5915
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: 10198 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1465.0	40.5
10°-20°	1442.5	39.9
20°-30°	471.2	13.0
30°-40°	160.5	4.4
40°-50°	53.9	1.5
50°-60°	16.2	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°	3378.7	93.5
0°-40°	3539.2	97.9
0°-60°	3609.4	99.8
0°-90°	3615.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3615.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20576	
5°	18493	###
15°	5116	1443
25°	938	471
35°	242	160
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°	20575.8
0.5°	20575.8
1°	20550.1
1.5°	20498.8
2°	20405.4
2.5°	20280.8
3°	20104.9
3.5°	19859.4
4°	19494.8
4.5°	19051.4
5°	18492.6
5.5°	17757.8
6°	17004.8
6.5°	16141.8
7°	15297.2
7.5°	14307.8
8°	13424.6
8.5°	12536.0
9°	11715.2
9.5°	10962.2
10°	10260.4
12.5°	7367.3
15°	5115.5
17.5°	3342.0
20°	2107.0
22.5°	1365.0
25°	938.1
27.5°	659.6
30°	474.5
32.5°	340.8
35°	241.9
37.5°	168.6
40°	120.9
42.5°	87.9
45°	66.0
47.5°	51.3
50°	34.8
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)