

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: P763932

Luminaire Tested: LD6D30D010-EU6DR2015309040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763932
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-EU6DR2015309040-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3608.9 lumens
Efficiency: N/A
Efficacy: 124.4 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



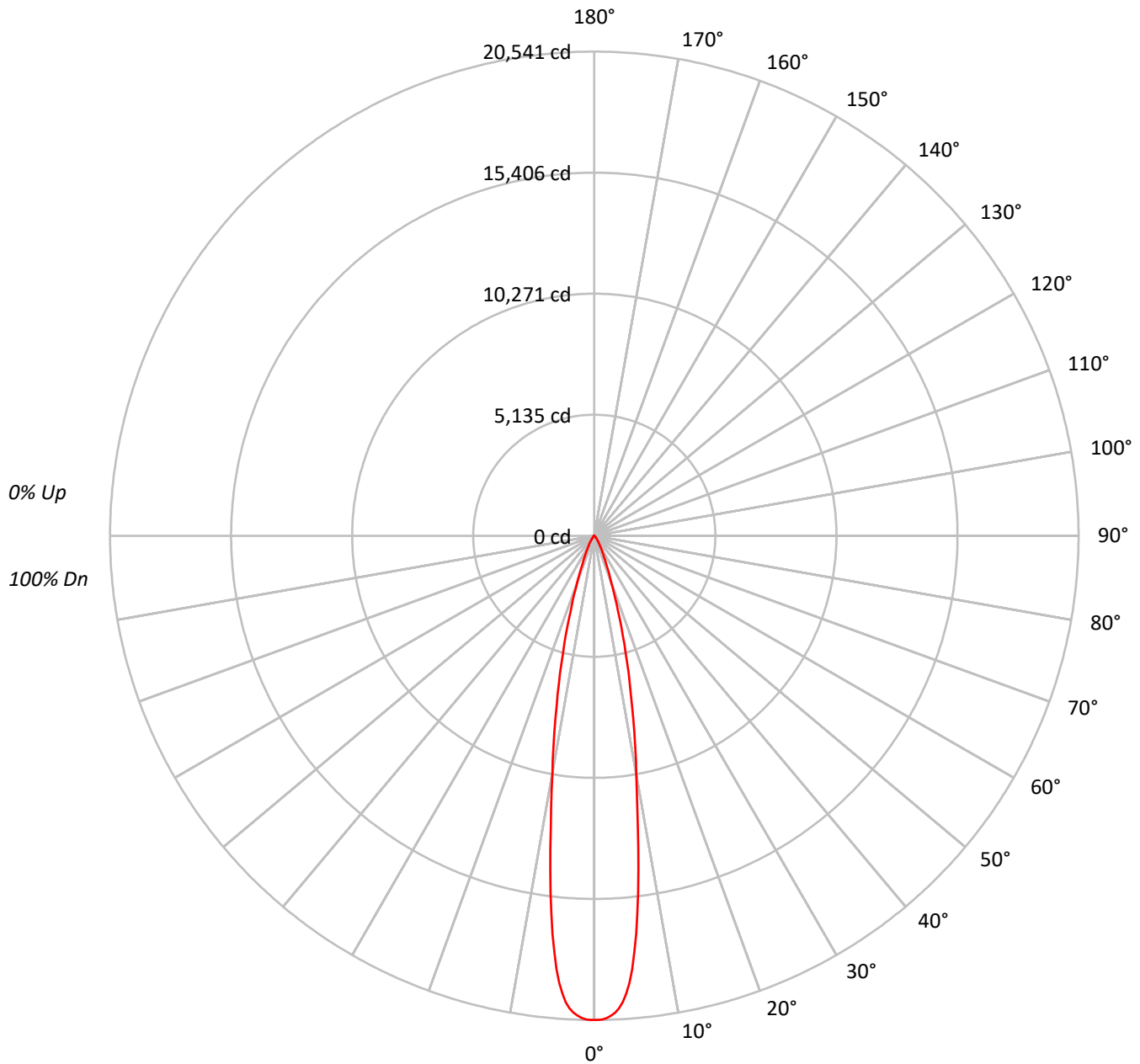
Downlight



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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	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°	2244358
5°	2024822
10°	1136445
15°	577679
20°	244580
25°	112901
30°	59764
35°	32199
40°	17215
45°	10167
50°	5915
55°	3143
60°	1989
65°	1422
70°	575
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 10167 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1462.5	40.5
10°-20°	1440.1	39.9
20°-30°	470.5	13.0
30°-40°	160.2	4.4
40°-50°	53.8	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°	3373.1	93.5
0°-40°	3533.2	97.9
0°-60°	3603.3	99.8
0°-90°	3608.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3608.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20541	
5°	18462	###
15°	5107	1440
25°	936	470
35°	241	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°	20541.3
0.5°	20541.3
1°	20515.7
1.5°	20464.4
2°	20371.1
2.5°	20246.8
3°	20071.2
3.5°	19826.1
4°	19462.1
4.5°	19019.4
5°	18461.5
5.5°	17728.0
6°	16976.3
6.5°	16114.7
7°	15271.5
7.5°	14283.8
8°	13402.1
8.5°	12515.0
9°	11695.5
9.5°	10943.8
10°	10243.2
12.5°	7355.0
15°	5107.0
17.5°	3336.4
20°	2103.5
22.5°	1362.7
25°	936.5
27.5°	658.5
30°	473.7
32.5°	340.2
35°	241.4
37.5°	168.3
40°	120.7
42.5°	87.8
45°	65.8
47.5°	51.2
50°	34.8
52.5°	21.9
55°	16.5
57.5°	12.8
60°	9.1
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)