

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: P761083

Luminaire Tested: LD6D15D010-EU6DR2015309050-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761083
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: LD6D15D010-EU6DR2015309050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1665.9 lumens
Efficiency: N/A
Efficacy: 105.4 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): 15.8
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



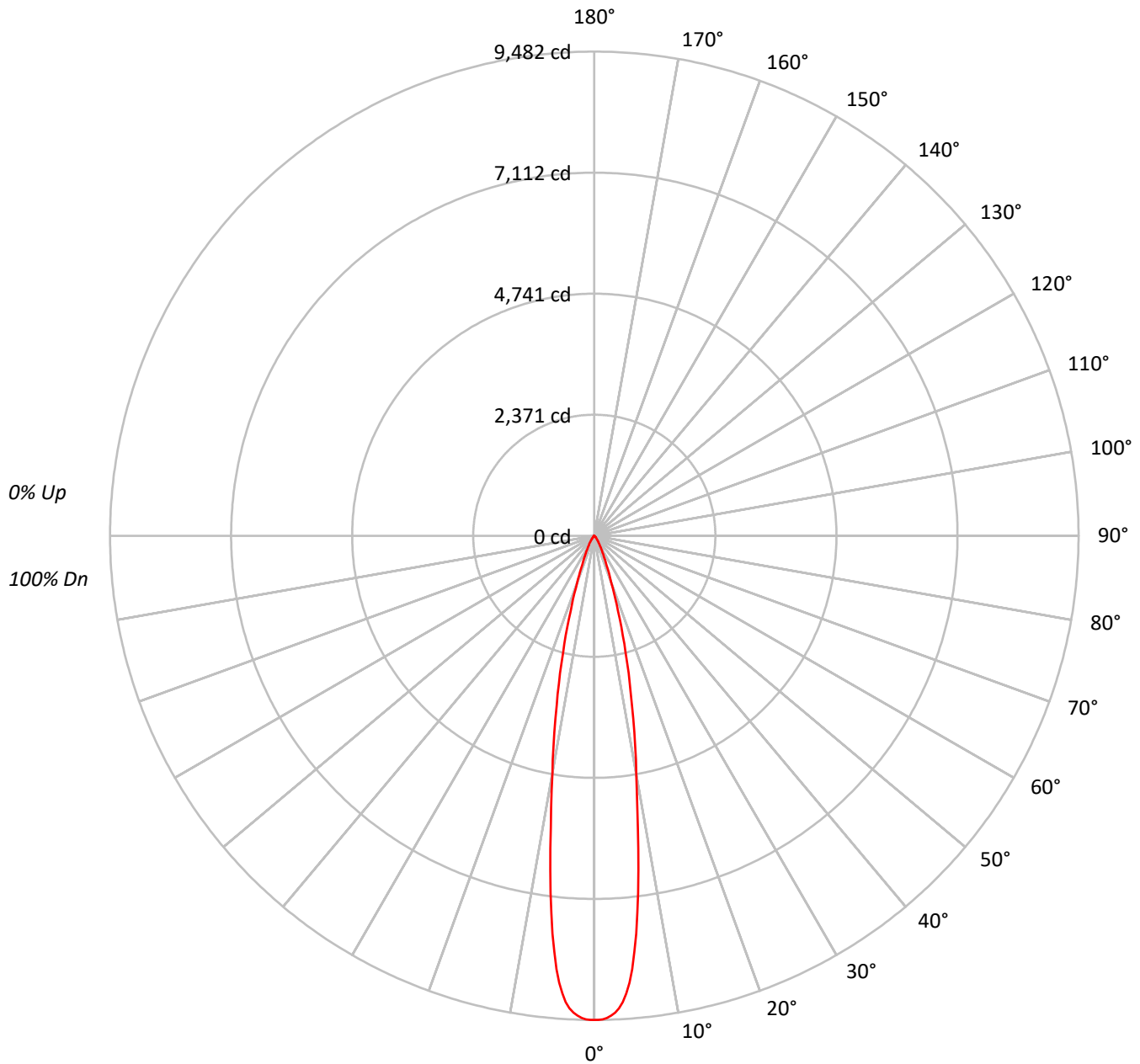
Downlight



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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°	1036000
5°	934666
10°	524587
15°	266657
20°	112901
25°	52116
30°	27592
35°	14872
40°	7944
45°	4697
50°	2720
55°	1448
60°	918
65°	646
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4697 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	675.1	40.5
10°-20°	664.8	39.9
20°-30°	217.2	13.0
30°-40°	73.9	4.4
40°-50°	24.8	1.5
50°-60°	7.5	0.4
60°-70°	2.5	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°	1557.0	93.5
0°-40°	1631.0	97.9
0°-60°	1663.3	99.8
0°-90°	1665.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1665.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9482	
5°	8522	675
15°	2357	665
25°	432	217
35°	112	74
45°	30	25
55°	8	7
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9481.9
0.5°	9481.9
1°	9470.1
1.5°	9446.5
2°	9403.4
2.5°	9346.0
3°	9265.0
3.5°	9151.8
4°	8983.8
4.5°	8779.5
5°	8521.9
5.5°	8183.4
6°	7836.3
6.5°	7438.6
7°	7049.4
7.5°	6593.5
8°	6186.5
8.5°	5777.0
9°	5398.7
9.5°	5051.7
10°	4728.3
12.5°	3395.1
15°	2357.4
17.5°	1540.1
20°	971.0
22.5°	629.0
25°	432.3
27.5°	304.0
30°	218.7
32.5°	157.0
35°	111.5
37.5°	77.7
40°	55.7
42.5°	40.5
45°	30.4
47.5°	23.6
50°	16.0
52.5°	10.1
55°	7.6
57.5°	5.9
60°	4.2
62.5°	3.4
65°	2.5



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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°	1.7
70°	0.8



(END OF REPORT)