

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: P761085

Luminaire Tested: LD6D15D010-EU6DR2015309050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761085
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-EU6DR2015309050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1562.8 lumens
Efficiency: N/A
Efficacy: 98.9 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



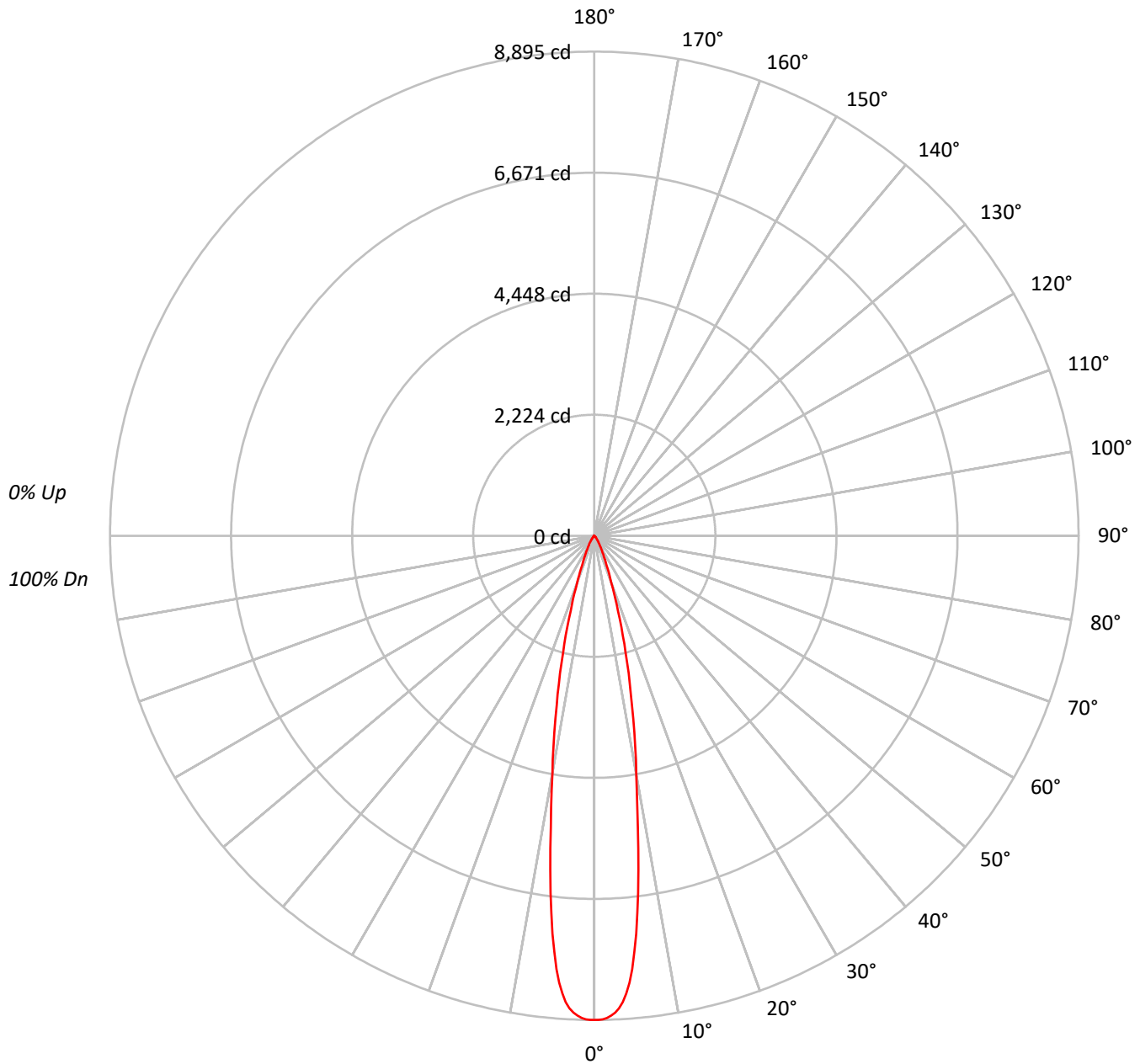
Downlight



TEST NUMBER: P761085

CATALOG NUMBER: LD6D15D010-EU6DR2015309050-6LBS1B

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°	971896
5°	876833
10°	492124
15°	250154
20°	105913
25°	48897
30°	25889
35°	13952
40°	7460
45°	4404
50°	2550
55°	1352
60°	874
65°	620
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4404 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	633.3	40.5
10°-20°	623.6	39.9
20°-30°	203.7	13.0
30°-40°	69.4	4.4
40°-50°	23.3	1.5
50°-60°	7.0	0.4
60°-70°	2.4	0.2
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°	1460.7	93.5
0°-40°	1530.1	97.9
0°-60°	1560.4	99.8
0°-90°	1562.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1562.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8895	
5°	7995	633
15°	2212	624
25°	406	204
35°	105	69
45°	28	23
55°	7	7
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CATALOG NUMBER: LD6D15D010-EU6DR2015309050-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	8895.2
0.5°	8895.2
1°	8884.1
1.5°	8861.9
2°	8821.5
2.5°	8767.6
3°	8691.6
3.5°	8585.5
4°	8427.8
4.5°	8236.2
5°	7994.6
5.5°	7676.9
6°	7351.4
6.5°	6978.3
7°	6613.2
7.5°	6185.4
8°	5803.6
8.5°	5419.5
9°	5064.6
9.5°	4739.1
10°	4435.7
12.5°	3185.0
15°	2211.5
17.5°	1444.8
20°	910.9
22.5°	590.1
25°	405.6
27.5°	285.2
30°	205.2
32.5°	147.3
35°	104.6
37.5°	72.9
40°	52.3
42.5°	38.0
45°	28.5
47.5°	22.2
50°	15.0
52.5°	9.5
55°	7.1
57.5°	5.5
60°	4.0
62.5°	3.2
65°	2.4



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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°	1.6
70°	0.8



(END OF REPORT)