

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: P761049

Luminaire Tested: LD6D15D010-EU6DR2015309030-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761049
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-EU6DR2015309030-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1557.8 lumens
Efficiency: N/A
Efficacy: 98.6 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



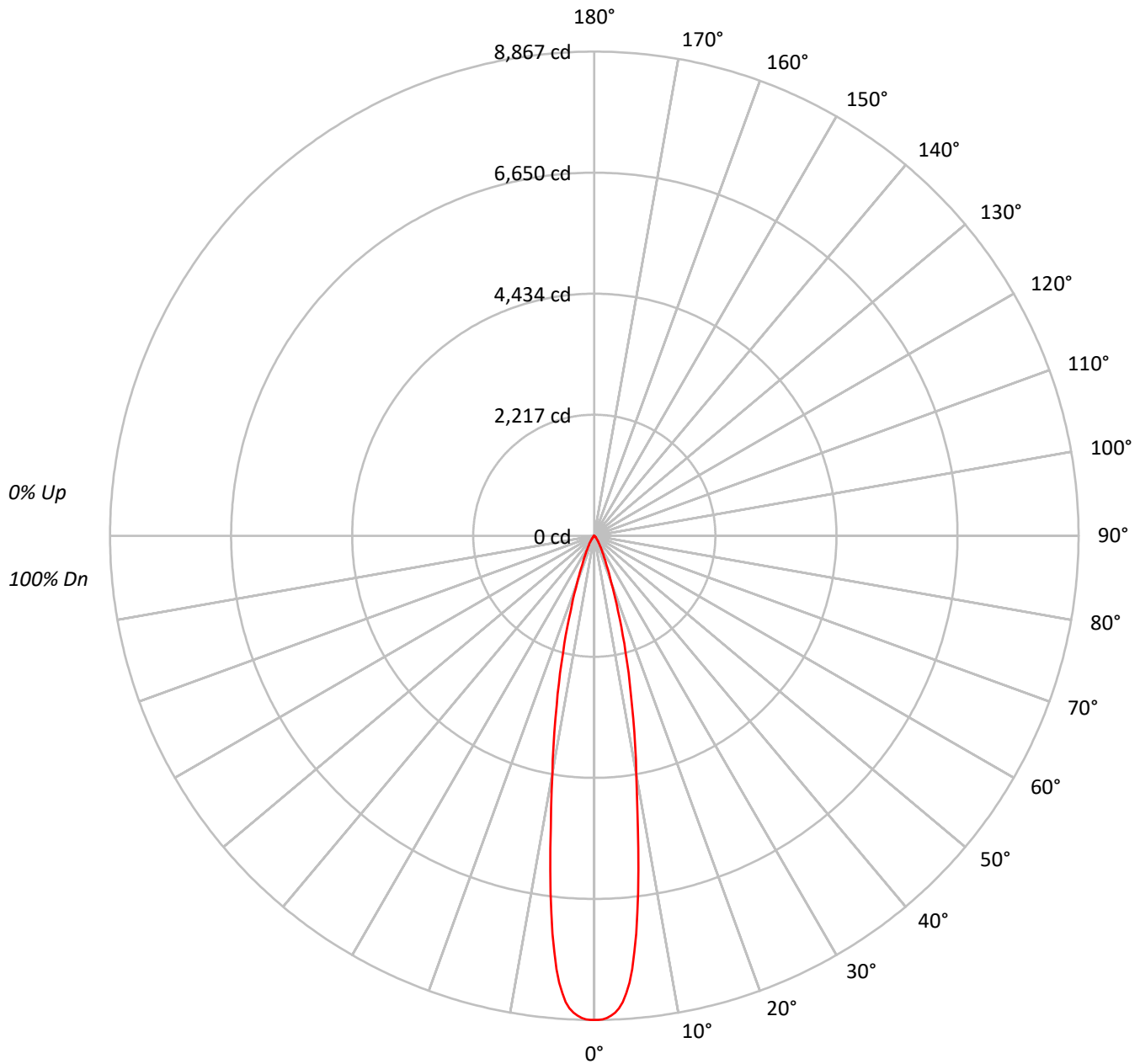
Downlight



TEST NUMBER: P761049

CATALOG NUMBER: LD6D15D010-EU6DR2015309030-6LBS1H

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					0
RW	70	50	30	10	70	50	30	10	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	100	100	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	85
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	83
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	81
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	968782
5°	874025
10°	490549
15°	249351
20°	105576
25°	48741
30°	25800
35°	13898
40°	7431
45°	4388
50°	2550
55°	1352
60°	852
65°	620
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4388 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	631.3	40.5
10°-20°	621.6	39.9
20°-30°	203.1	13.0
30°-40°	69.1	4.4
40°-50°	23.2	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°	1456.0	93.5
0°-40°	1525.1	97.9
0°-60°	1555.4	99.8
0°-90°	1557.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1557.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8867	
5°	7969	631
15°	2204	622
25°	404	203
35°	104	69
45°	28	23
55°	7	7
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8866.7
0.5°	8866.7
1°	8855.6
1.5°	8833.5
2°	8793.2
2.5°	8739.6
3°	8663.8
3.5°	8558.0
4°	8400.8
4.5°	8209.8
5°	7969.0
5.5°	7652.3
6°	7327.8
6.5°	6956.0
7°	6592.0
7.5°	6165.6
8°	5785.0
8.5°	5402.1
9°	5048.4
9.5°	4723.9
10°	4421.5
12.5°	3174.8
15°	2204.4
17.5°	1440.1
20°	908.0
22.5°	588.2
25°	404.3
27.5°	284.2
30°	204.5
32.5°	146.9
35°	104.2
37.5°	72.6
40°	52.1
42.5°	37.9
45°	28.4
47.5°	22.1
50°	15.0
52.5°	9.5
55°	7.1
57.5°	5.5
60°	3.9
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)