

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: P761046

Luminaire Tested: LD6D15D010-EU6DR2015309030-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761046
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-EU6DR2015309030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 1554.0 lumens
Efficiency: N/A
Efficacy: 98.4 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



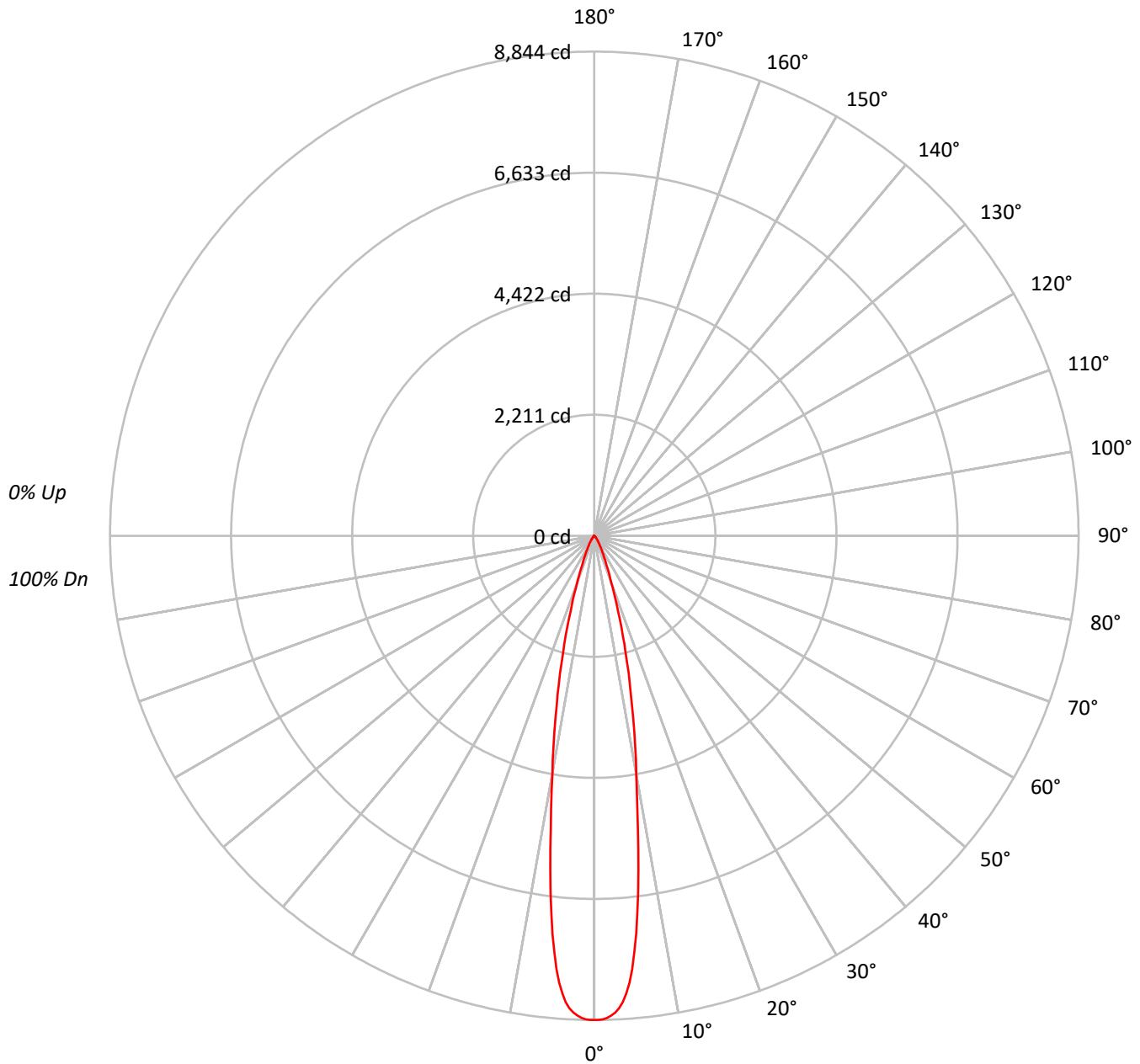
Downlight



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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				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97						
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94						
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91						
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88						
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85						
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83						
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81						
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79						
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77						
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	966357
5°	871831
10°	489317
15°	248729
20°	105308
25°	48608
30°	25737
35°	13872
40°	7417
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°	629.7	40.5
10°-20°	620.1	39.9
20°-30°	202.6	13.0
30°-40°	69.0	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°	1452.3	93.5
0°-40°	1521.3	97.9
0°-60°	1551.5	99.8
0°-90°	1554.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1554.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8844	
5°	7949	630
15°	2199	620
25°	403	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°	8844.5
0.5°	8844.5
1°	8833.5
1.5°	8811.4
2°	8771.3
2.5°	8717.7
3°	8642.1
3.5°	8536.6
4°	8379.8
4.5°	8189.2
5°	7949.0
5.5°	7633.2
6°	7309.5
6.5°	6938.6
7°	6575.5
7.5°	6150.2
8°	5770.6
8.5°	5388.6
9°	5035.8
9.5°	4712.1
10°	4410.4
12.5°	3166.9
15°	2198.9
17.5°	1436.5
20°	905.7
22.5°	586.7
25°	403.2
27.5°	283.5
30°	204.0
32.5°	146.5
35°	104.0
37.5°	72.5
40°	52.0
42.5°	37.8
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)