

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: P761025

Luminaire Tested: LD6D15D010-EU6DR2015309024-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761025
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-EU6DR2015309024-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1291.2 lumens
Efficiency: N/A
Efficacy: 81.7 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



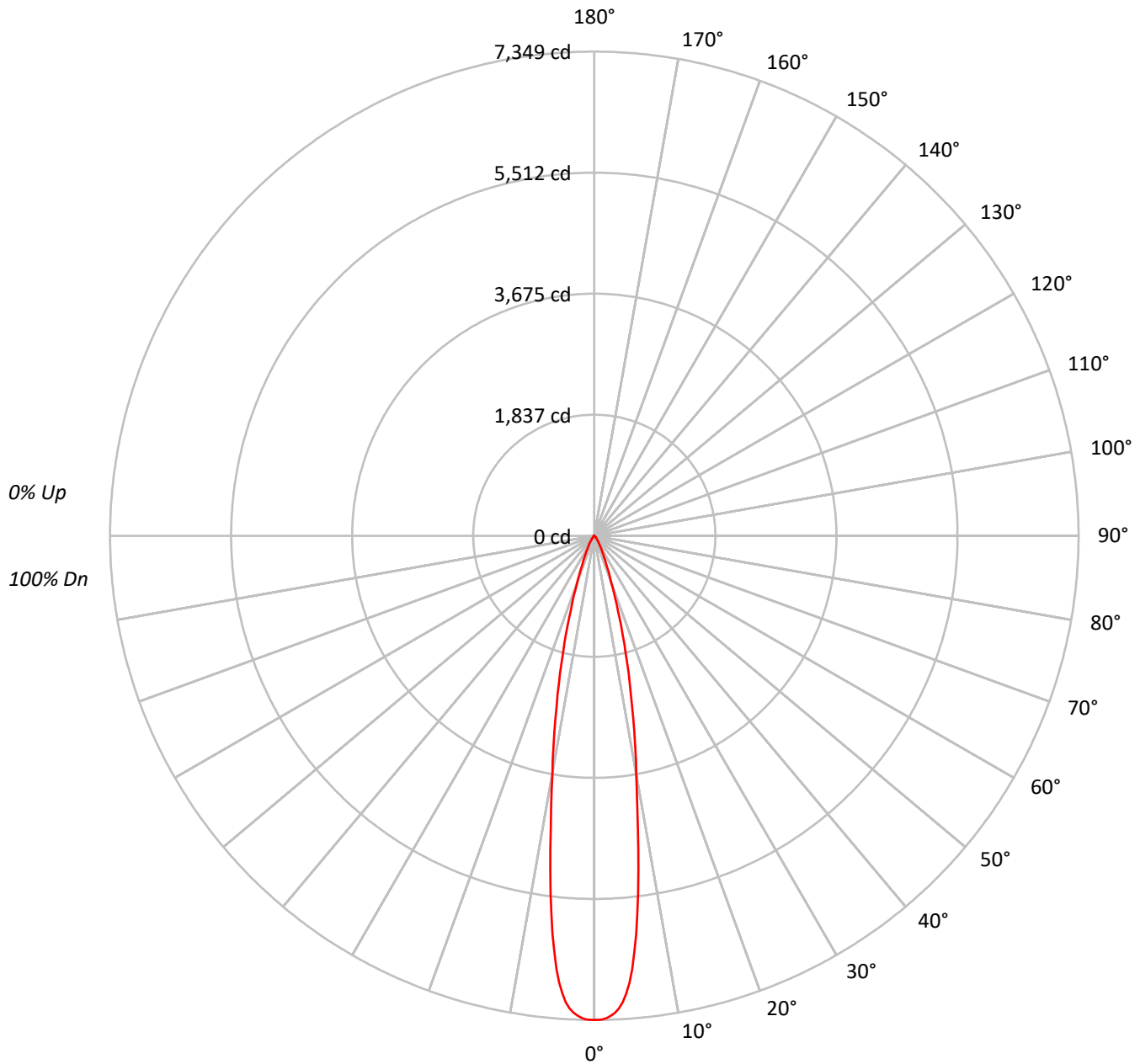
Downlight



TEST NUMBER: P761025

CATALOG NUMBER: LD6D15D010-EU6DR2015309024-6LBS1MW

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°	802935
5°	724402
10°	406574
15°	206673
20°	87495
25°	40386
30°	21385
35°	11524
40°	6162
45°	3647
50°	2108
55°	1124
60°	721
65°	517
70°	224
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3647 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	523.2	40.5
10°-20°	515.2	39.9
20°-30°	168.3	13.0
30°-40°	57.3	4.4
40°-50°	19.3	1.5
50°-60°	5.8	0.5
60°-70°	1.9	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°	1206.7	93.5
0°-40°	1264.0	97.9
0°-60°	1289.1	99.8
0°-90°	1291.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1291.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7349	
5°	6605	523
15°	1827	515
25°	335	168
35°	86	57
45°	24	19
55°	6	6
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7348.8
0.5°	7348.8
1°	7339.6
1.5°	7321.3
2°	7287.9
2.5°	7243.4
3°	7180.6
3.5°	7092.9
4°	6962.7
4.5°	6804.3
5°	6604.8
5.5°	6342.3
6°	6073.4
6.5°	5765.2
7°	5463.5
7.5°	5110.1
8°	4794.7
8.5°	4477.3
9°	4184.2
9.5°	3915.2
10°	3664.6
12.5°	2631.3
15°	1827.1
17.5°	1193.6
20°	752.5
22.5°	487.5
25°	335.0
27.5°	235.6
30°	169.5
32.5°	121.7
35°	86.4
37.5°	60.2
40°	43.2
42.5°	31.4
45°	23.6
47.5°	18.3
50°	12.4
52.5°	7.9
55°	5.9
57.5°	4.6
60°	3.3
62.5°	2.6
65°	2.0



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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°	1.3
70°	0.7



(END OF REPORT)