

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: P761088

Luminaire Tested: LD6D15D010-EU6DR2015309050-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761088
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-EU6DR2015309050-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

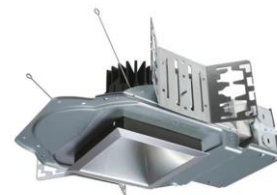
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1586.5 lumens
Efficiency: N/A
Efficacy: 100.4 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



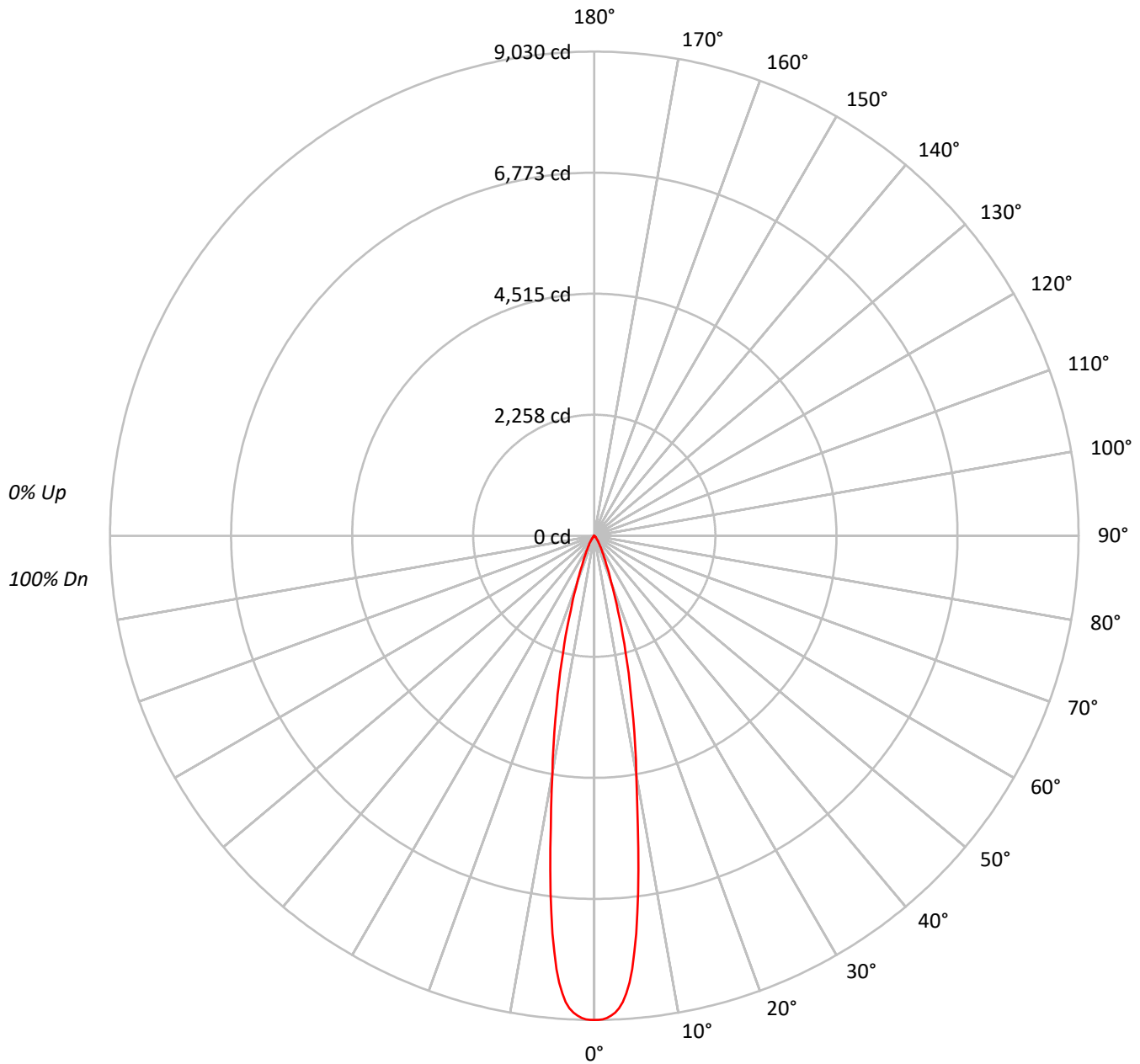
Downlight



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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	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°	986668
5°	890159
10°	499602
15°	253955
20°	107529
25°	49633
30°	26280
35°	14152
40°	7574
45°	4466
50°	2601
55°	1372
60°	874
65°	620
70°	256
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4466 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	643.0	40.5
10°-20°	633.1	39.9
20°-30°	206.8	13.0
30°-40°	70.4	4.4
40°-50°	23.7	1.5
50°-60°	7.1	0.4
60°-70°	2.4	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°	1482.9	93.5
0°-40°	1553.3	97.9
0°-60°	1584.1	99.8
0°-90°	1586.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1586.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9030	
5°	8116	643
15°	2245	633
25°	412	207
35°	106	70
45°	29	24
55°	7	7
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9030.4
0.5°	9030.4
1°	9019.2
1.5°	8996.7
2°	8955.6
2.5°	8901.0
3°	8823.8
3.5°	8716.0
4°	8556.0
4.5°	8361.4
5°	8116.1
5.5°	7793.7
6°	7463.2
6.5°	7084.4
7°	6713.7
7.5°	6279.5
8°	5891.9
8.5°	5501.9
9°	5141.6
9.5°	4811.1
10°	4503.1
12.5°	3233.4
15°	2245.1
17.5°	1466.7
20°	924.8
22.5°	599.1
25°	411.7
27.5°	289.5
30°	208.3
32.5°	149.6
35°	106.1
37.5°	74.0
40°	53.1
42.5°	38.6
45°	28.9
47.5°	22.5
50°	15.3
52.5°	9.6
55°	7.2
57.5°	5.6
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)