

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: P762059

Luminaire Tested: LD6D20D010-EU6DR2015309040-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762059
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: LD6D20D010-EU6DR2015309040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

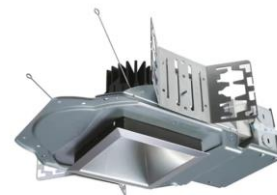
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2031.8 lumens
Efficiency: N/A
Efficacy: 88.0 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): 23.1
Input Voltage (V): NR
Input Current (A_{in}): 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



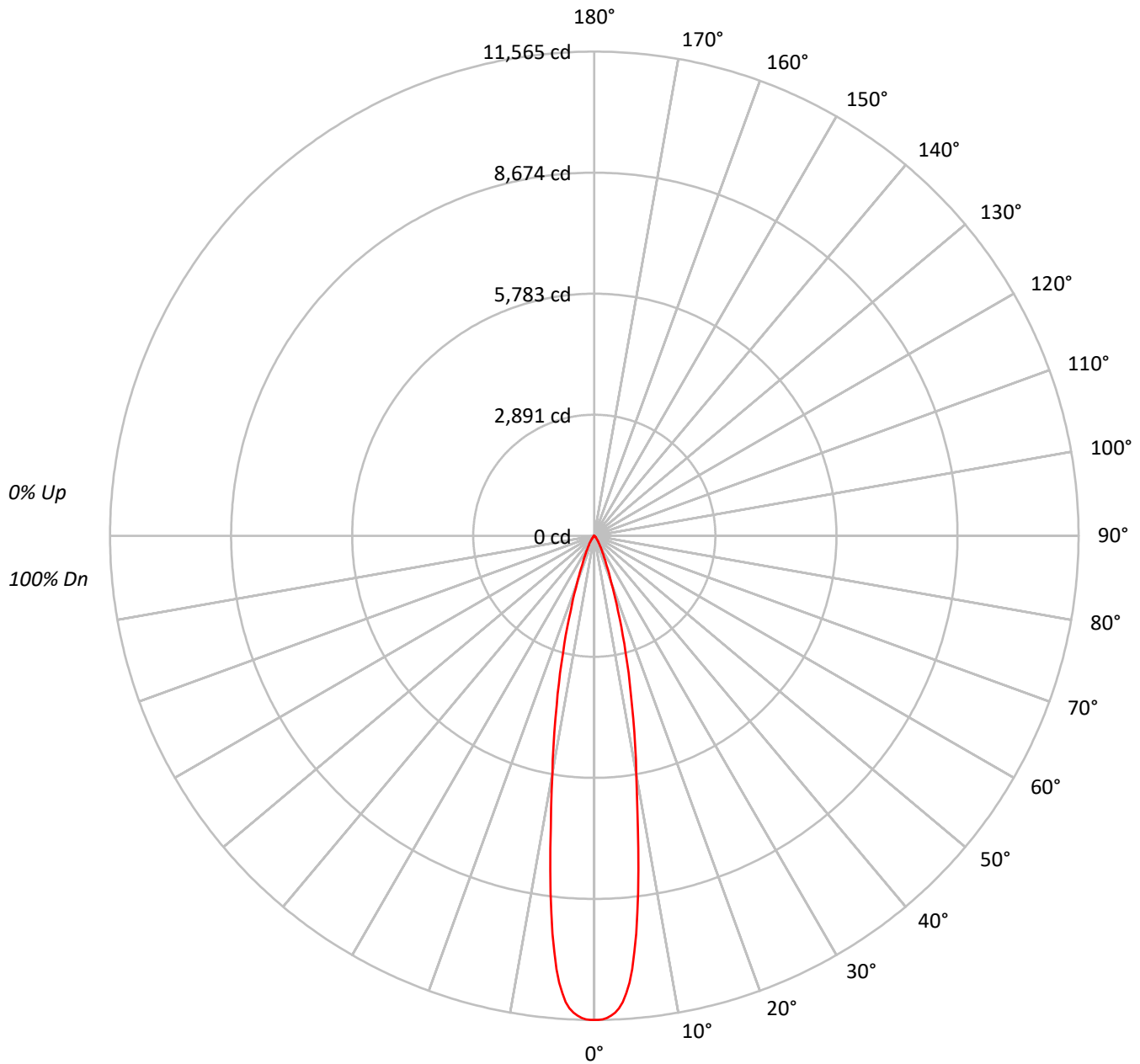
Downlight



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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°	1263557
5°	1139961
10°	639805
15°	325228
20°	137702
25°	63569
30°	33648
35°	18127
40°	9699
45°	5733
50°	3332
55°	1772
60°	1114
65°	801
70°	319
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5733 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	823.4	40.5
10°-20°	810.8	39.9
20°-30°	264.9	13.0
30°-40°	90.2	4.4
40°-50°	30.3	1.5
50°-60°	9.1	0.4
60°-70°	3.0	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°	1899.0	93.5
0°-40°	1989.2	97.9
0°-60°	2028.6	99.8
0°-90°	2031.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2031.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11565	
5°	10394	823
15°	2875	811
25°	527	265
35°	136	90
45°	37	30
55°	9	9
65°	3	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11564.6
0.5°	11564.6
1°	11550.2
1.5°	11521.3
2°	11468.8
2.5°	11398.8
3°	11299.9
3.5°	11161.9
4°	10957.0
4.5°	10707.8
5°	10393.7
5.5°	9980.8
6°	9557.5
6.5°	9072.5
7°	8597.8
7.5°	8041.7
8°	7545.3
8.5°	7045.9
9°	6584.5
9.5°	6161.3
10°	5766.8
12.5°	4140.8
15°	2875.2
17.5°	1878.3
20°	1184.3
22.5°	767.2
25°	527.3
27.5°	370.7
30°	266.7
32.5°	191.5
35°	135.9
37.5°	94.7
40°	68.0
42.5°	49.4
45°	37.1
47.5°	28.8
50°	19.6
52.5°	12.4
55°	9.3
57.5°	7.2
60°	5.1
62.5°	4.1
65°	3.1



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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°	2.1
70°	1.0



(END OF REPORT)