

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P786986

Luminaire Tested: LER6D02D010-EC6DR200210IC9027-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786986
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: LER6D02D010-EC6DR200210IC9027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 342.8 lumens
Efficiency: N/A
Efficacy: 67.2 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): 5.1
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

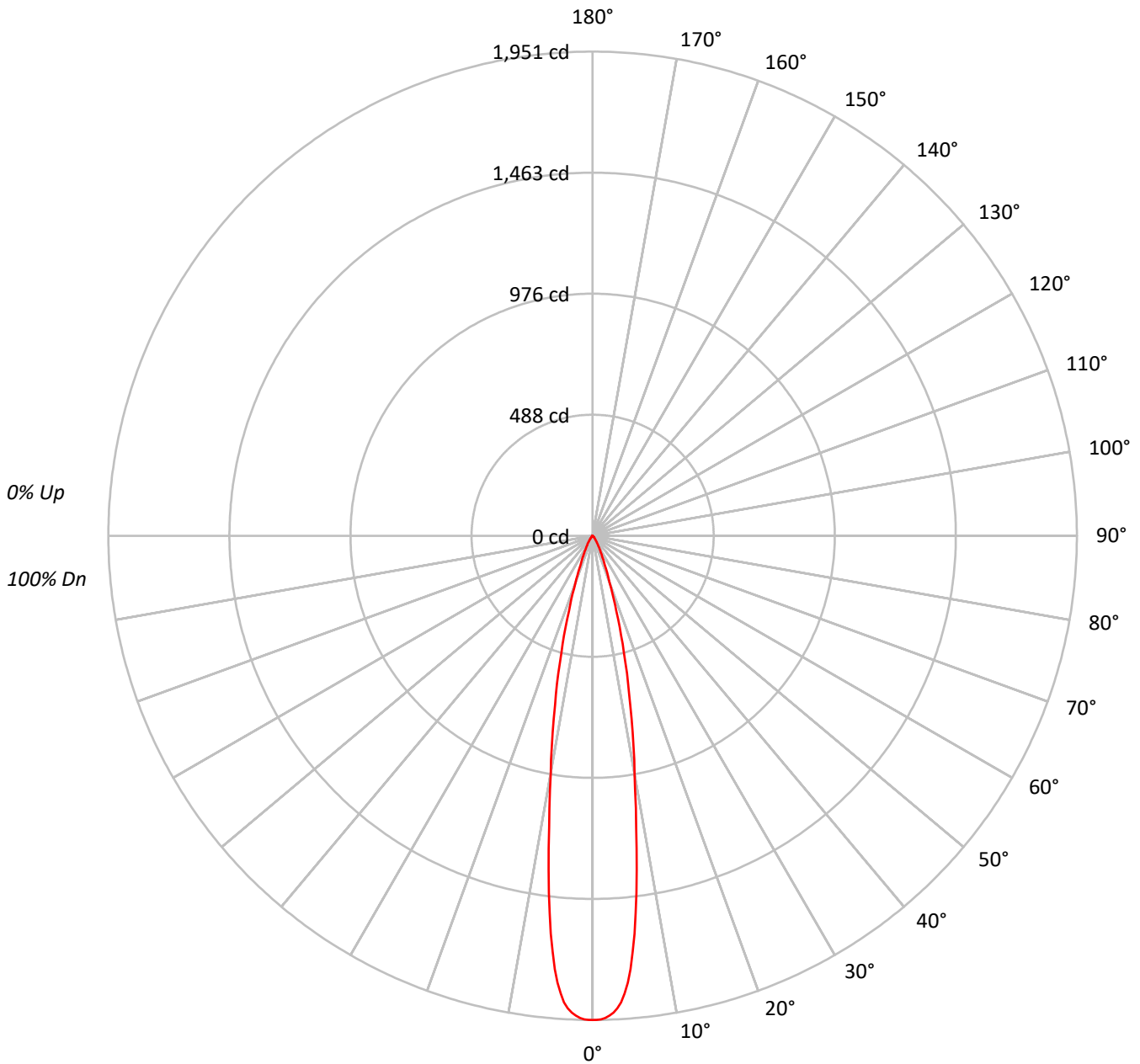


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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															
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	98	98	97															
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	98	98	94															
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	98	98	91															
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	98	98	88															
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	98	98	85															
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	98	98	83															
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	98	98	81															
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	98	98	79															
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	98	98	77															
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	98	98	75															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	213190
5°	192343
10°	107951
15°	54872
20°	23231
25°	10729
30°	5677
35°	3054
40°	1640
45°	973
50°	561
55°	305
60°	197
65°	129
70°	64
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 973 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.9	40.5
10°-20°	136.8	39.9
20°-30°	44.7	13.0
30°-40°	15.2	4.4
40°-50°	5.1	1.5
50°-60°	1.6	0.5
60°-70°	0.5	0.1
70°-80°	0.0	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°	320.4	93.5
0°-40°	335.6	97.9
0°-60°	342.3	99.8
0°-90°	342.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	342.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1951	
5°	1754	139
15°	485	137
25°	89	45
35°	23	15
45°	6	5
55°	2	2
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1951.2
0.5°	1951.2
1°	1948.8
1.5°	1943.9
2°	1935.1
2.5°	1923.2
3°	1906.6
3.5°	1883.3
4°	1848.7
4.5°	1806.7
5°	1753.7
5.5°	1684.0
6°	1612.6
6.5°	1530.7
7°	1450.6
7.5°	1356.8
8°	1273.1
8.5°	1188.8
9°	1111.0
9.5°	1039.6
10°	973.0
12.5°	698.7
15°	485.1
17.5°	316.9
20°	199.8
22.5°	129.4
25°	89.0
27.5°	62.6
30°	45.0
32.5°	32.3
35°	22.9
37.5°	16.0
40°	11.5
42.5°	8.3
45°	6.3
47.5°	4.9
50°	3.3
52.5°	2.1
55°	1.6
57.5°	1.2
60°	0.9
62.5°	0.7
65°	0.5



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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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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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67.5°		0.3
70°		0.2

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(END OF REPORT)