

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: P790116

Luminaire Tested: LER6D20D010-EC6DR2015309040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790116
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: LER6D20D010-EC6DR2015309040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2320.6 lumens
Efficiency: N/A
Efficacy: 100.5 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

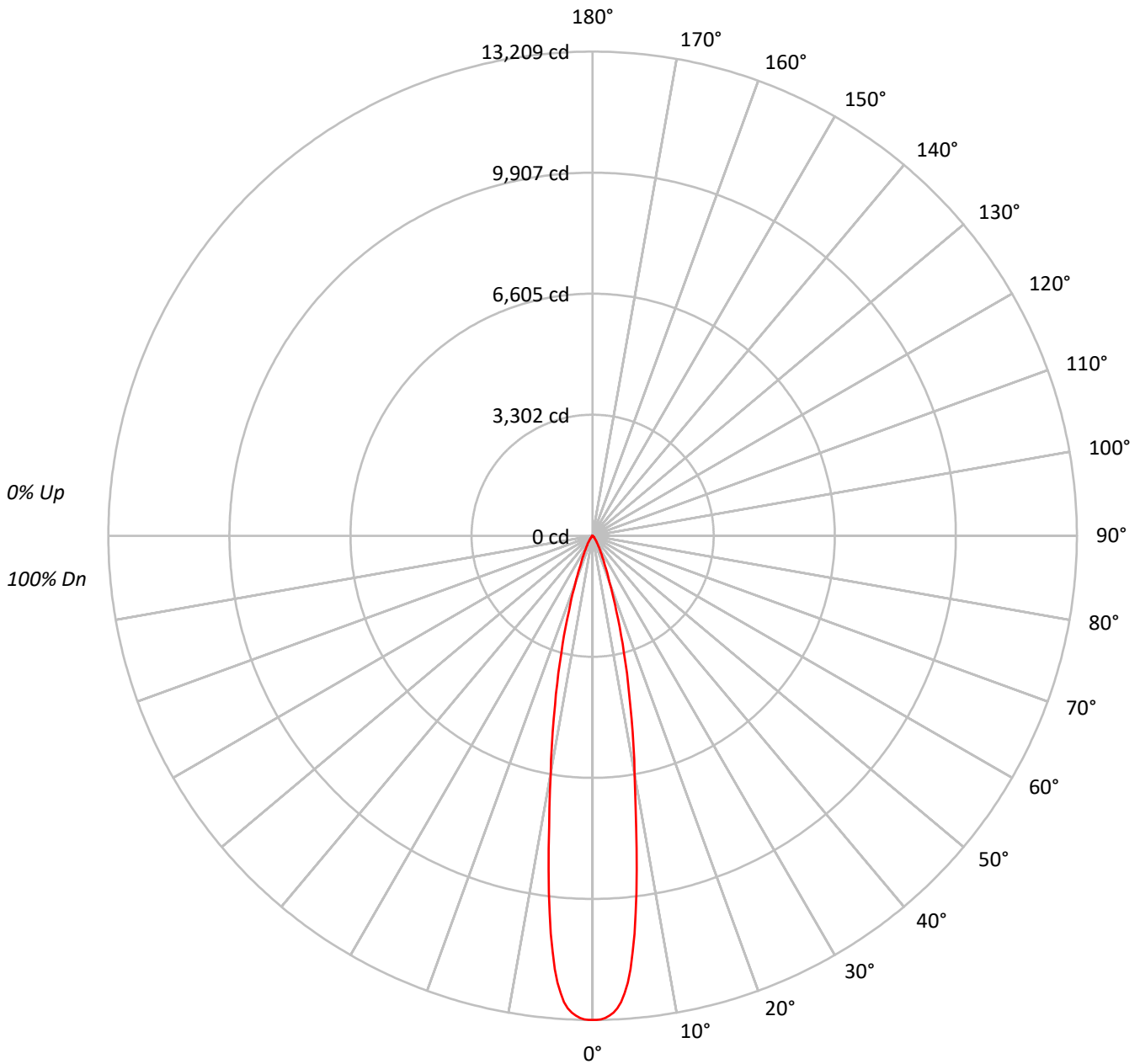


Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1443182
5°	1302011
10°	730759
15°	371459
20°	157271
25°	72599
30°	38429
35°	20714
40°	11068
45°	6536
50°	3791
55°	2019
60°	1289
65°	905
70°	383
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6536 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	940.4	40.5
10°-20°	926.0	39.9
20°-30°	302.5	13.0
30°-40°	103.0	4.4
40°-50°	34.6	1.5
50°-60°	10.4	0.4
60°-70°	3.5	0.2
70°-80°	0.2	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°	2169.0	93.5
0°-40°	2272.0	97.9
0°-60°	2317.0	99.8
0°-90°	2320.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2320.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13209	
5°	11871	940
15°	3284	926
25°	602	303
35°	155	103
45°	42	35
55°	11	10
65°	4	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	13208.6
0.5°	13208.6
1°	13192.1
1.5°	13159.2
2°	13099.2
2.5°	13019.2
3°	12906.3
3.5°	12748.7
4°	12514.6
4.5°	12230.0
5°	11871.2
5.5°	11399.6
6°	10916.2
6.5°	10362.2
7°	9820.0
7.5°	9184.8
8°	8617.9
8.5°	8047.5
9°	7520.5
9.5°	7037.1
10°	6586.6
12.5°	4729.4
15°	3283.9
17.5°	2145.4
20°	1352.6
22.5°	876.3
25°	602.2
27.5°	423.4
30°	304.6
32.5°	218.8
35°	155.3
37.5°	108.2
40°	77.6
42.5°	56.5
45°	42.3
47.5°	32.9
50°	22.3
52.5°	14.1
55°	10.6
57.5°	8.2
60°	5.9
62.5°	4.7
65°	3.5



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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°		2.4
70°		1.2

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(END OF REPORT)