

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: P789988

Luminaire Tested: LER6D20D010-EC6DR1015209024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D20D010-EC6DR1015209024-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 10° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1743.4 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Spacing Criteria (0/90/45): 0.17 / 0.17 / 0.18
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

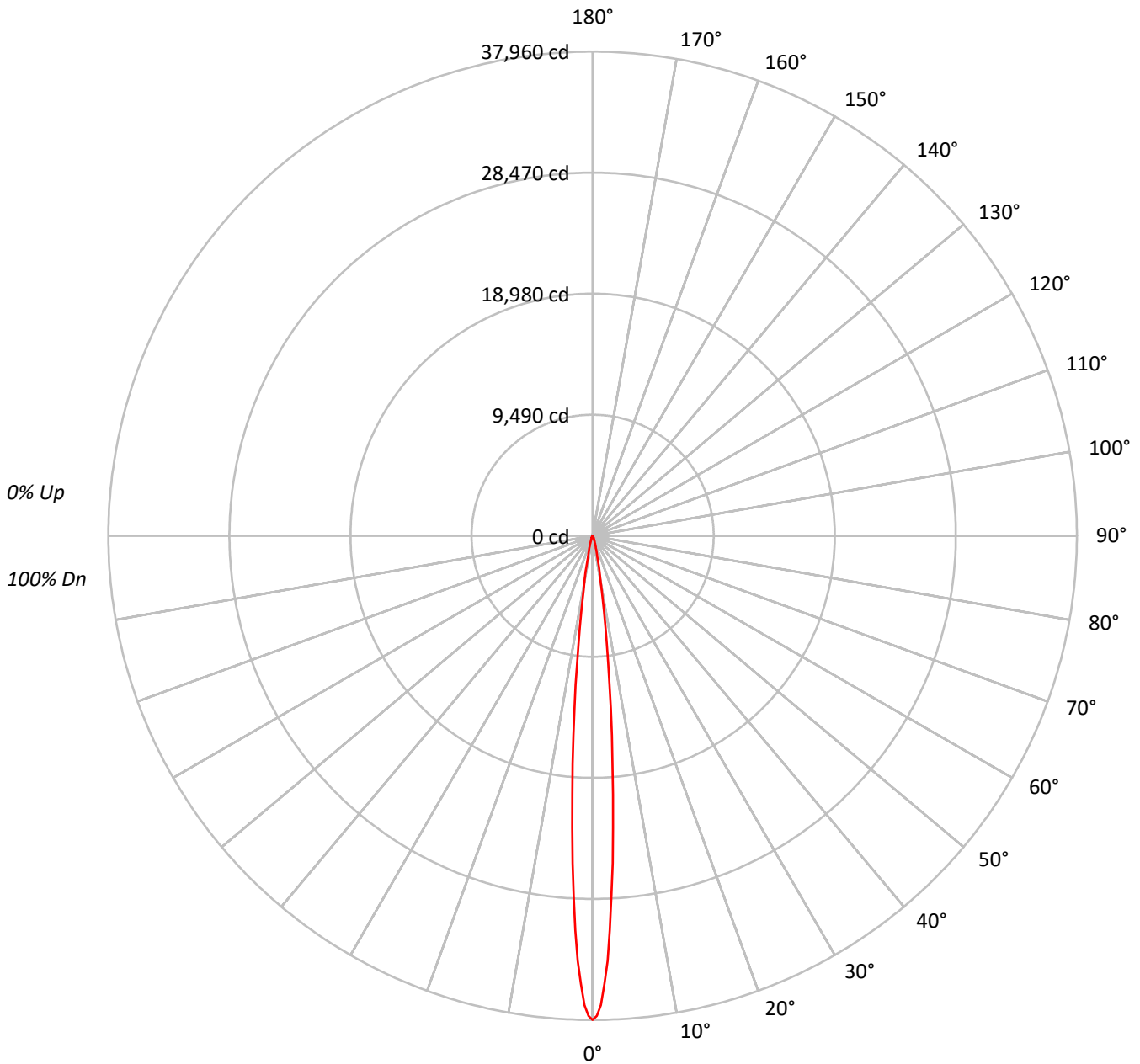


Downlight

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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									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	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	116	114	113	111	114	112	111	109	108	107	106	104	104	103	101	101	100	98									98																			
2	113	110	108	106	111	108	106	104	105	104	102	100	100	99	98	98	97	96									97																			
3	111	107	104	102	109	106	103	101	103	101	99	98	98	97	96	96	95	94									95																			
4	108	104	101	99	107	103	100	98	101	99	97	96	96	95	94	94	93	92									94																			
5	106	102	99	96	105	101	98	96	99	97	95	94	94	93	92	92	91	90									93																			
6	104	100	96	94	103	99	96	94	98	95	93	92	92	91	90	90	89	88									91																			
7	103	98	95	93	102	97	94	92	96	94	92	91	91	90	89	89	88	87									90																			
8	101	96	93	91	100	96	93	91	95	92	91	90	90	89	88	88	87	86									89																			
9	100	95	92	90	99	94	92	90	94	91	90	89	89	88	87	87	86	85									88																			
10	98	94	91	89	98	93	91	89	93	90	88	87	87	86	85	85	84	83									87																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	4147484
5°	1966726
10°	403345
15°	110740
20°	44626
25°	23918
30°	14143
35°	9203
40°	6147
45°	4002
50°	2193
55°	1638
60°	940
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4002 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1239.7	71.1
10°-20°	335.5	19.2
20°-30°	96.0	5.5
30°-40°	43.9	2.5
40°-50°	20.1	1.2
50°-60°	6.7	0.4
60°-70°	1.6	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°	1671.1	95.9
0°-40°	1715.0	98.4
0°-60°	1741.8	99.9
0°-90°	1743.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1743.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	37960	
5°	17932	###
15°	979	335
25°	198	96
35°	69	44
45°	26	20
55°	9	7
65°	0	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	37959.5
0.5°	37631.8
1°	36790.8
1.5°	35169.3
2°	33353.7
2.5°	30955.9
3°	28290.7
3.5°	25711.7
4°	22930.1
4.5°	20368.4
5°	17931.8
5.5°	15723.7
6°	13619.2
6.5°	11769.1
7°	10026.8
7.5°	8539.0
8°	7219.3
8.5°	6063.5
9°	5063.0
9.5°	4299.7
10°	3635.5
12.5°	1733.7
15°	979.0
17.5°	595.1
20°	383.8
22.5°	267.4
25°	198.4
27.5°	146.6
30°	112.1
32.5°	86.3
35°	69.0
37.5°	51.8
40°	43.1
42.5°	34.5
45°	25.9
47.5°	17.3
50°	12.9
52.5°	8.6
55°	8.6
57.5°	4.3
60°	4.3
62.5°	4.3
65°	0.0



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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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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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67.5°		0.0
70°		0.0

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(END OF REPORT)