

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: P790481

Luminaire Tested: LER6D20D010-EC6DR6020359030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P790481
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D20D010-EC6DR6020359030-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3524.4 lumens
Efficiency: N/A
Efficacy: 152.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

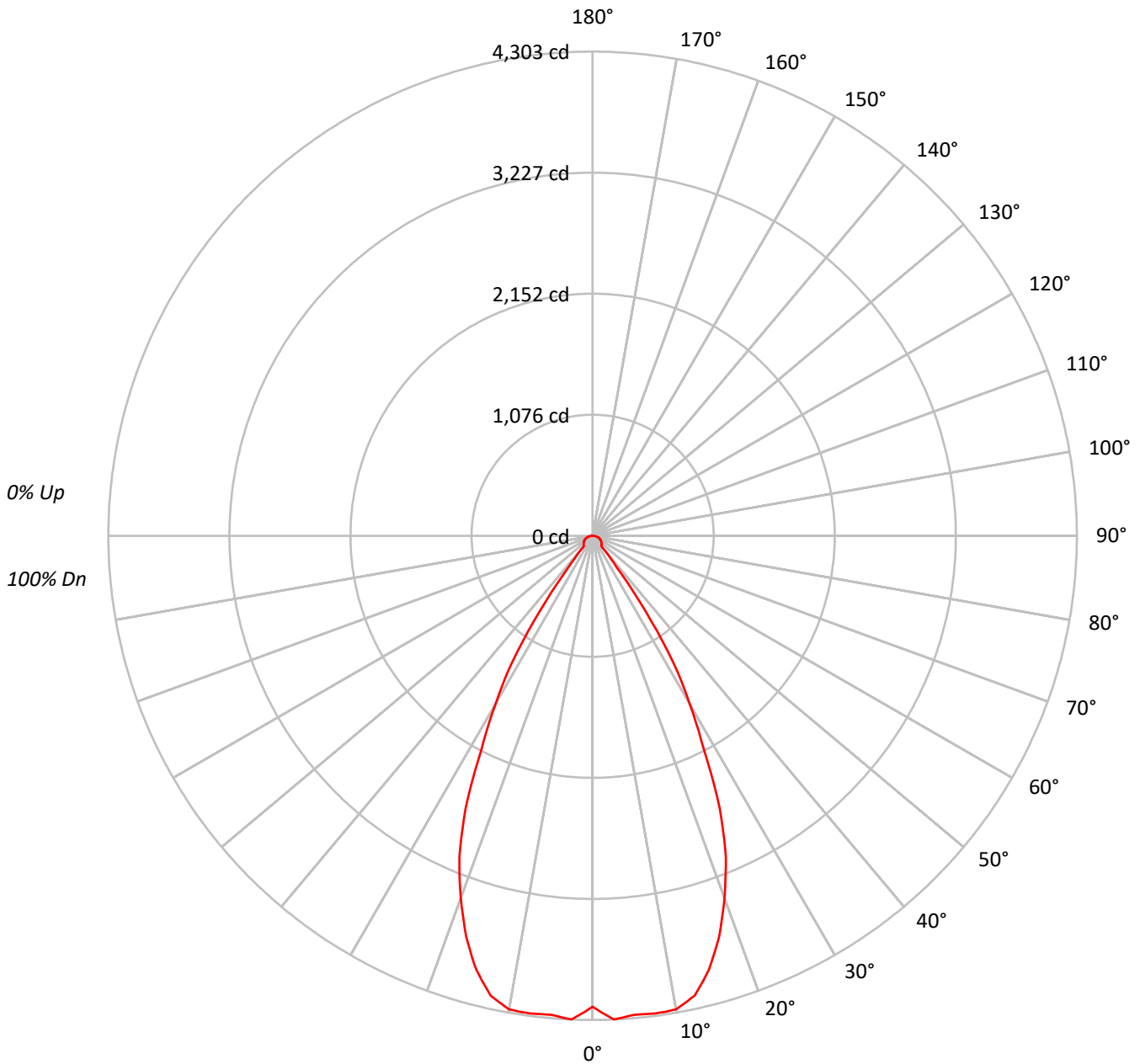
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	457333
5°	468578
10°	474240
15°	451770
20°	398328
25°	322174
30°	217922
35°	109200
40°	17715
45°	17337
50°	17678
55°	17944
60°	18443
65°	18873
70°	19327
75°	19546
80°	18876
85°	15670

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 19546 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.3	11.6
10°-20°	1104.7	31.3
20°-30°	1188.6	33.7
30°-40°	516.7	14.7
40°-50°	86.8	2.5
50°-60°	84.3	2.4
60°-70°	72.2	2.0
70°-80°	48.3	1.4
80°-90°	14.4	0.4
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°	2701.7	76.7
0°-40°	3218.3	91.3
0°-60°	3389.4	96.2
0°-90°	3524.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3524.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4186	
5°	4272	408
15°	3994	1105
25°	2672	1189
35°	819	517
45°	112	87
55°	94	84
65°	73	72
75°	46	48
85°	12	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4185.7
2.5°	4303.3
5°	4272.3
7.5°	4282.1
10°	4274.5
12.5°	4186.2
15°	3993.9
17.5°	3735.7
20°	3425.8
22.5°	3094.0
25°	2672.4
27.5°	2137.5
30°	1727.3
32.5°	1331.3
35°	818.7
37.5°	350.3
40°	124.2
42.5°	114.4
45°	112.2
47.5°	108.4
50°	104.0
52.5°	99.1
55°	94.2
57.5°	89.3
60°	84.4
62.5°	79.0
65°	73.0
67.5°	67.0
70°	60.5
72.5°	53.4
75°	46.3
77.5°	38.1
80°	30.0
82.5°	21.2
85°	12.5
87.5°	4.4
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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(END OF REPORT)