

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: P790323

Luminaire Tested: LER6D20D010-EC6DR4520359024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790323
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D20D010-EC6DR4520359024-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2948.3 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

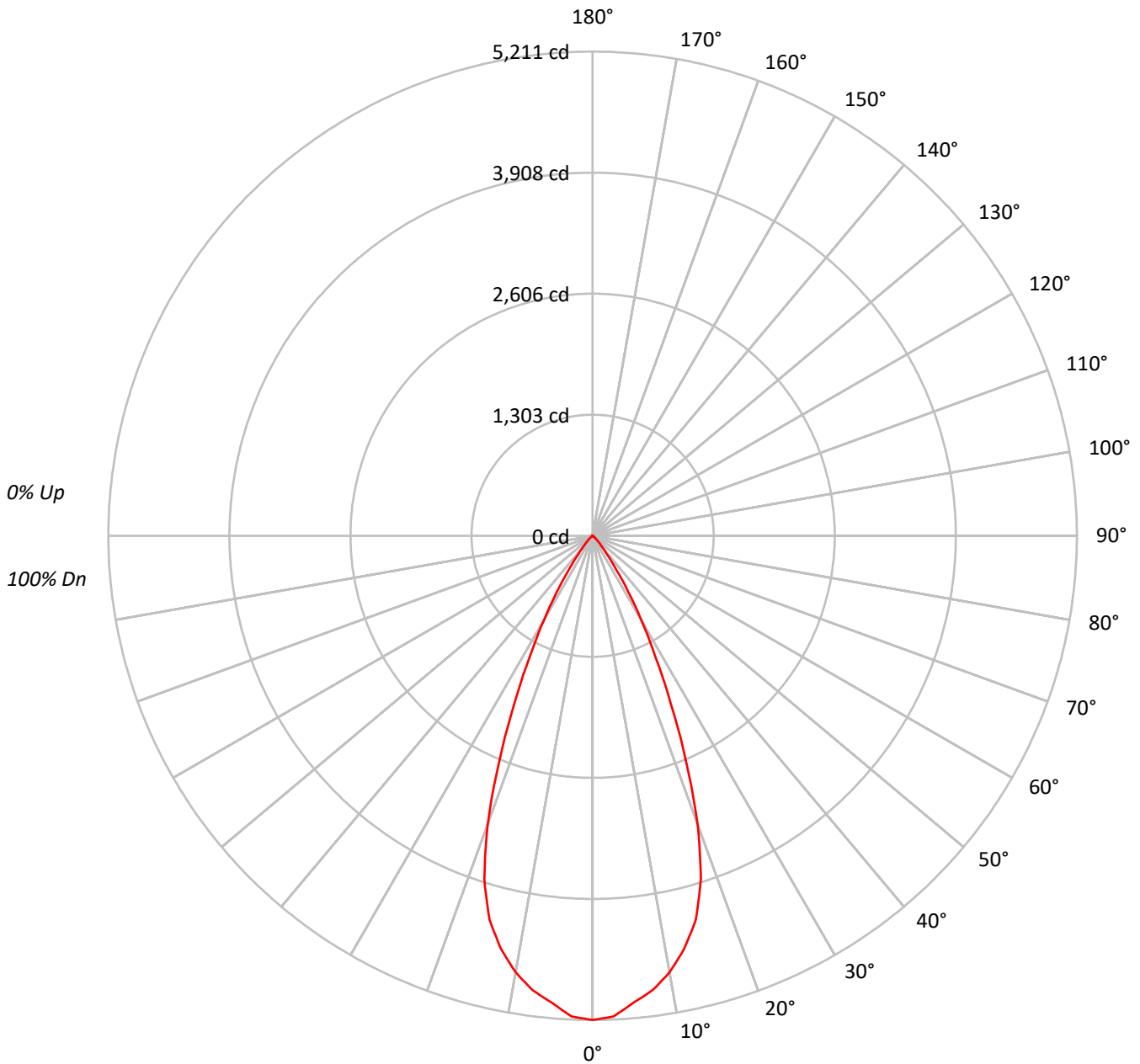
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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									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	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	100	98	98	97	95	95	93	91	89	87	85	81	77	73	69	66	63	60																
	1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95	95	93	91	89	87	85	81	77	73	69	66	63	60																						
	2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90	88	87	85	81	77	73	69	66	63	60																									
	3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85	81	77	73	69	66	63	60																												
	4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81	79	83	80	78	77	73	69	66	63	60																									
	5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77	75	80	77	74	73	69	66	63	60																										
	6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73	71	77	73	71	69	66	63	60																											
	7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69	66	63	60																																
	8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66	63	60																																	
	9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63	60																																		
	10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60																																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	569380
5°	553173
10°	529236
15°	484359
20°	384270
25°	239906
30°	132232
35°	59369
40°	23391
45°	11017
50°	5218
55°	2724
60°	1333
65°	310
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11017 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.9	16.1
10°-20°	1166.3	39.6
20°-30°	923.6	31.3
30°-40°	307.6	10.4
40°-50°	61.0	2.1
50°-60°	13.8	0.5
60°-70°	2.0	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°	2563.8	87.0
0°-40°	2871.4	97.4
0°-60°	2946.3	99.9
0°-90°	2948.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2948.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5211	
5°	5044	474
15°	4282	1166
25°	1990	924
35°	445	308
45°	71	61
55°	14	14
65°	1	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5211.2
2.5°	5177.2
5°	5043.6
7.5°	4933.3
10°	4770.2
12.5°	4553.0
15°	4282.0
17.5°	3874.6
20°	3304.9
22.5°	2626.1
25°	1990.0
27.5°	1457.1
30°	1048.1
32.5°	712.8
35°	445.1
37.5°	264.0
40°	164.0
42.5°	107.8
45°	71.3
47.5°	45.9
50°	30.7
52.5°	20.5
55°	14.3
57.5°	9.4
60°	6.1
62.5°	3.3
65°	1.2
67.5°	0.4
70°	0.4
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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(END OF REPORT)