

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: P790310

Luminaire Tested: LER6D20D010-EC6DR4020359040-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790310
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D20D010-EC6DR4020359040-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3790.6 lumens
Efficiency: N/A
Efficacy: 164.1 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

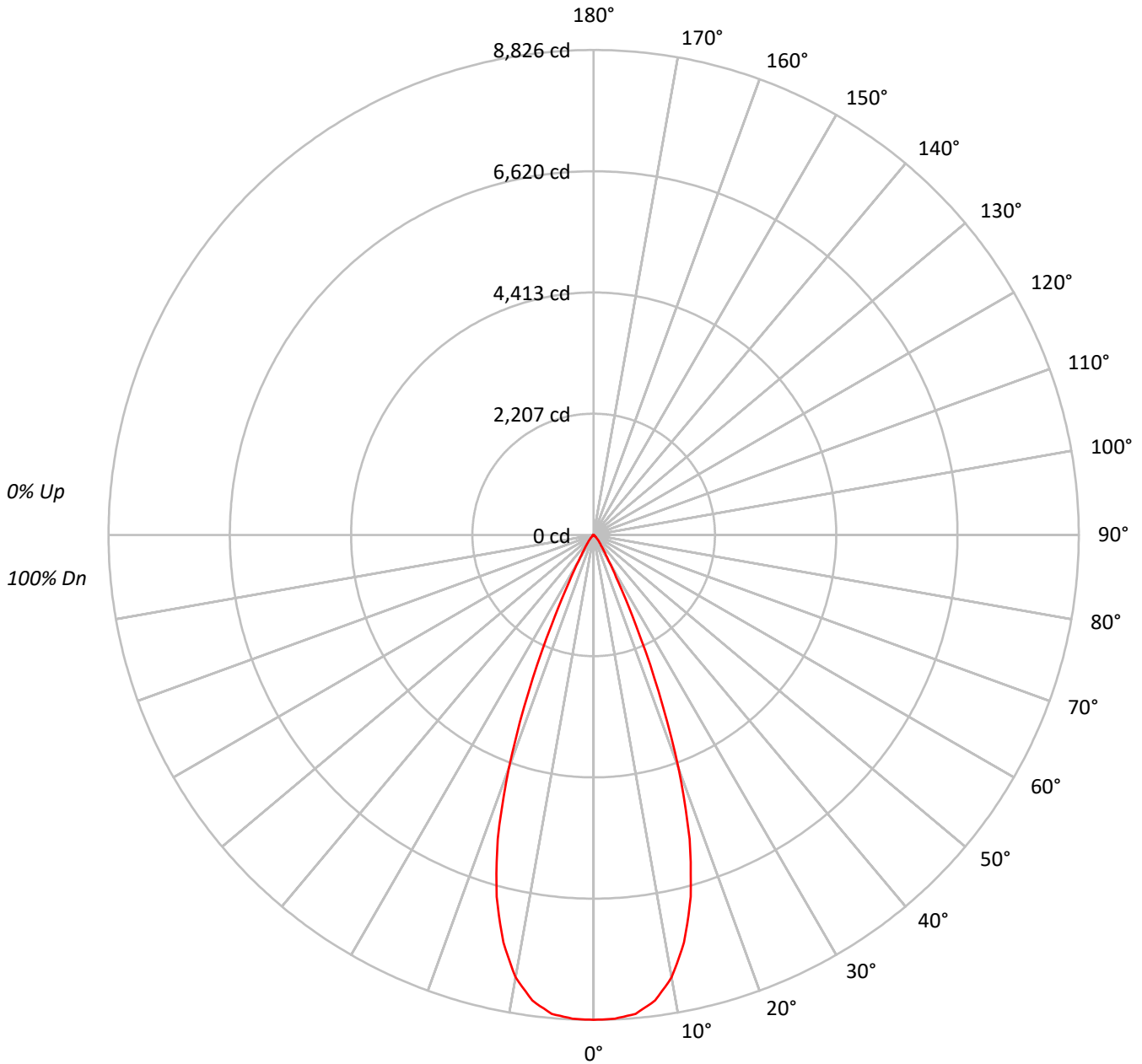
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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								
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	0															
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	99	98	97	96	95	94	93	92																
	1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86																
	2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92	91	90	89	88	87	86	85	84	83	82																
	3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88	87	86	85	84	83	82	81	80	79	78																
	4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84	83	82	81	80	79	78	77	76	75	74																
	5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81	80	79	78	77	76	75	74	73	72	71																
	6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	78	77	76	75	74	73	72	71	70	69	68																
	7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	75	74	73	72	71	70	69	68	67	66	65																
	8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72	71	70	69	68	67	66	65	64	63	62																
	9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69	68	67	66	65	64	63	62	61	60	59																
	10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67	66	65	64	63	62	61	60	59	58	57																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	964281
5°	959596
10°	907030
15°	771083
20°	525553
25°	219279
30°	68948
35°	32052
40°	17729
45°	8128
50°	3944
55°	2153
60°	1136
65°	388
70°	160
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8128 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	817.0	21.6
10°-20°	1830.2	48.3
20°-30°	916.1	24.2
30°-40°	168.0	4.4
40°-50°	46.3	1.2
50°-60°	10.9	0.3
60°-70°	2.1	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°	3563.3	94.0
0°-40°	3731.2	98.4
0°-60°	3788.5	99.9
0°-90°	3790.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3790.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8826	
5°	8749	817
15°	6817	1830
25°	1819	916
35°	240	168
45°	53	46
55°	11	11
65°	2	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8825.5
2.5°	8812.6
5°	8749.2
7.5°	8547.1
10°	8175.4
12.5°	7595.9
15°	6816.8
17.5°	5803.8
20°	4520.0
22.5°	3081.6
25°	1818.9
27.5°	961.5
30°	546.5
32.5°	353.2
35°	240.3
37.5°	171.7
40°	124.3
42.5°	85.1
45°	52.6
47.5°	33.5
50°	23.2
52.5°	16.5
55°	11.3
57.5°	7.2
60°	5.2
62.5°	3.1
65°	1.5
67.5°	1.0
70°	0.5
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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Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)