

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: P790118

Luminaire Tested: LER6D20D010-EC6DR2015309040-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790118
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-EC6DR2015309040-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2204.6 lumens
Efficiency: N/A
Efficacy: 95.4 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

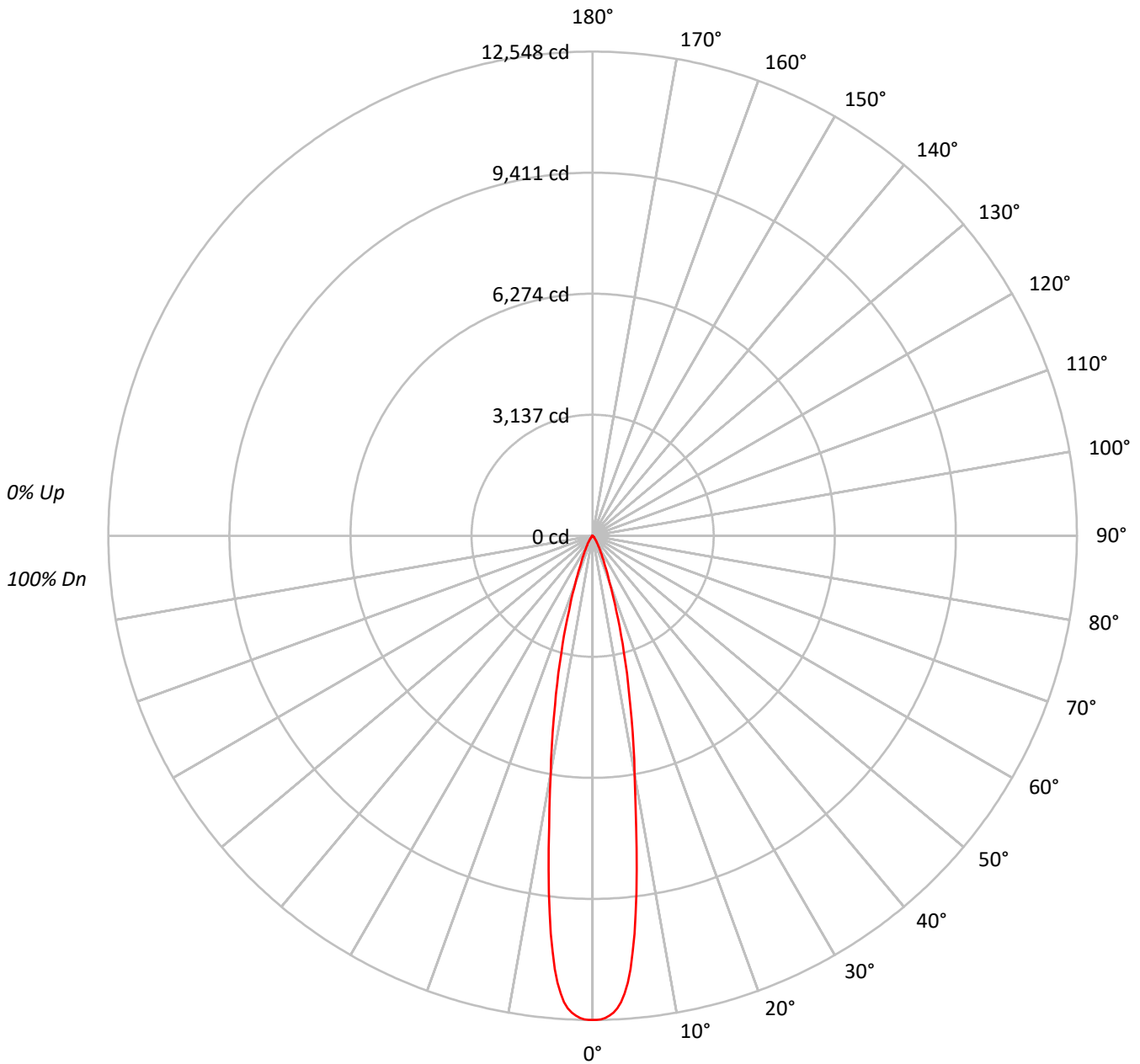
Input Watts (W): 23.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P790118
CATALOG NUMBER: LER6D20D010-EC6DR2015309040-6LBS1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1371015
5°	1236917
10°	694224
15°	352885
20°	149411
25°	68970
30°	36512
35°	19674
40°	10512
45°	6212
50°	3604
55°	1924
60°	1224
65°	879
70°	351
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6212 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	893.4	40.5
10°-20°	879.7	39.9
20°-30°	287.4	13.0
30°-40°	97.8	4.4
40°-50°	32.9	1.5
50°-60°	9.9	0.4
60°-70°	3.3	0.2
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°	2060.5	93.5
0°-40°	2158.4	97.9
0°-60°	2201.2	99.8
0°-90°	2204.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2204.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12548	
5°	11278	893
15°	3120	880
25°	572	287
35°	148	98
45°	40	33
55°	10	10
65°	3	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12548.1
0.5°	12548.1
1°	12532.5
1.5°	12501.2
2°	12444.2
2.5°	12368.2
3°	12261.0
3.5°	12111.2
4°	11888.9
4.5°	11618.5
5°	11277.7
5.5°	10829.6
6°	10370.4
6.5°	9844.1
7°	9329.0
7.5°	8725.6
8°	8187.0
8.5°	7645.1
9°	7144.5
9.5°	6685.3
10°	6257.3
12.5°	4493.0
15°	3119.7
17.5°	2038.1
20°	1285.0
22.5°	832.4
25°	572.1
27.5°	402.3
30°	289.4
32.5°	207.8
35°	147.5
37.5°	102.8
40°	73.7
42.5°	53.6
45°	40.2
47.5°	31.3
50°	21.2
52.5°	13.4
55°	10.1
57.5°	7.8
60°	5.6
62.5°	4.5
65°	3.4



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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°		2.2
70°		1.1

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(END OF REPORT)