

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: P788267

Luminaire Tested: LER6D08D010-EC6DR200210IC9050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788267
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: LER6D08D010-EC6DR200210IC9050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 870.0 lumens
Efficiency: N/A
Efficacy: 97.8 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

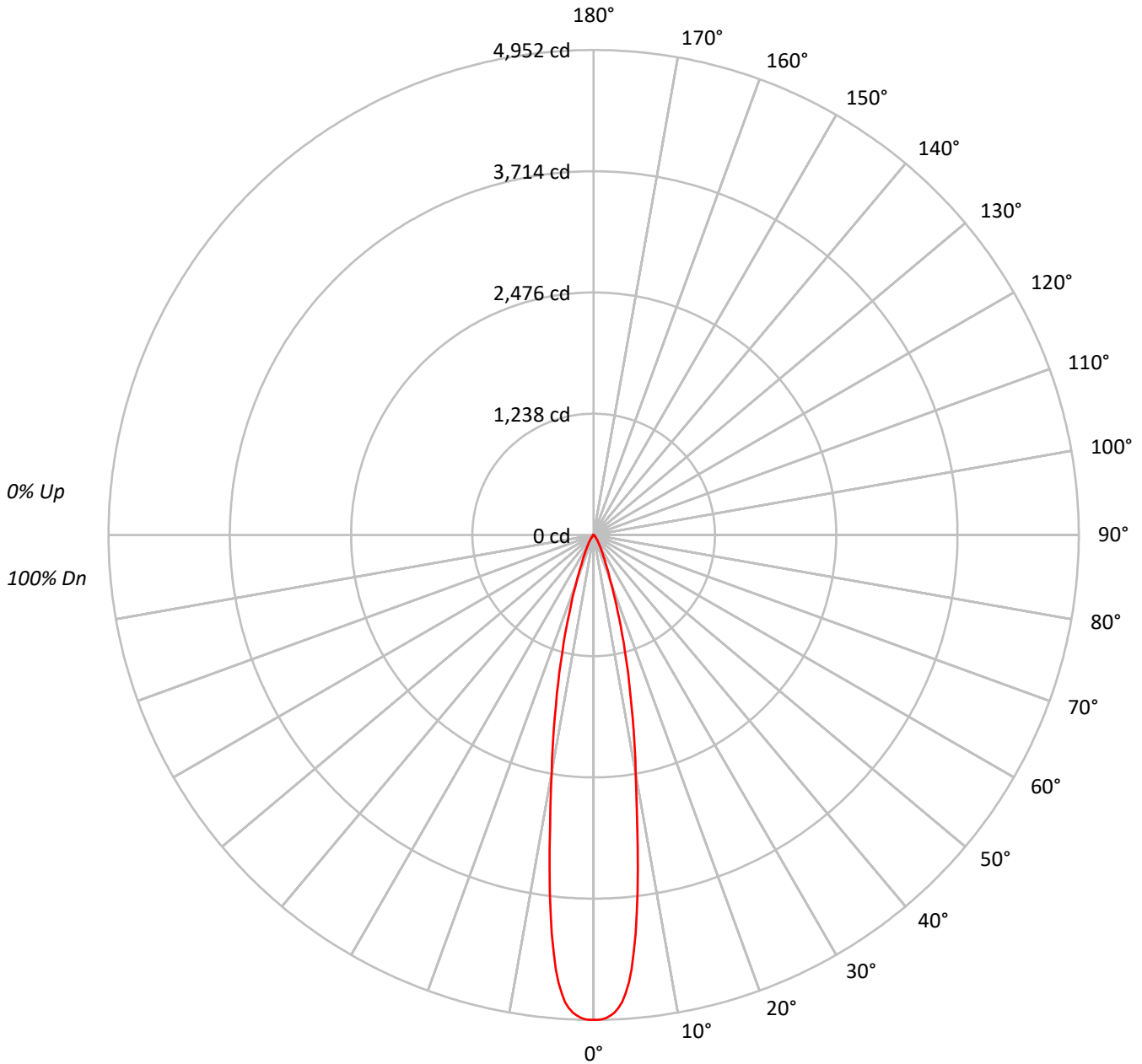
Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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	94														
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	92	91	91	91														
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	89	88	88	88														
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	86	85	85	85														
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	84	83	83	83														
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	82	81	81	81														
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	80	79	79	79														
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	78	77	77	77														
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	76	75	75	75														
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	74	73	73	73														

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	541026
5°	488101
10°	273949
15°	139256
20°	58962
25°	27222
30°	14408
35°	7763
40°	4151
45°	2457
50°	1428
55°	762
60°	481
65°	336
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2457 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	352.6	40.5
10°-20°	347.2	39.9
20°-30°	113.4	13.0
30°-40°	38.6	4.4
40°-50°	13.0	1.5
50°-60°	3.9	0.5
60°-70°	1.3	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°	813.1	93.5
0°-40°	851.7	97.9
0°-60°	868.6	99.8
0°-90°	870.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	870.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4952	
5°	4450	353
15°	1231	347
25°	226	113
35°	58	39
45°	16	13
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4951.7
0.5°	4951.7
1°	4945.5
1.5°	4933.2
2°	4910.7
2.5°	4880.7
3°	4838.4
3.5°	4779.3
4°	4691.5
4.5°	4584.8
5°	4450.3
5.5°	4273.5
6°	4092.3
6.5°	3884.6
7°	3681.4
7.5°	3443.3
8°	3230.7
8.5°	3016.9
9°	2819.3
9.5°	2638.1
10°	2469.2
12.5°	1773.0
15°	1231.1
17.5°	804.3
20°	507.1
22.5°	328.5
25°	225.8
27.5°	158.7
30°	114.2
32.5°	82.0
35°	58.2
37.5°	40.6
40°	29.1
42.5°	21.2
45°	15.9
47.5°	12.3
50°	8.4
52.5°	5.3
55°	4.0
57.5°	3.1
60°	2.2
62.5°	1.8
65°	1.3



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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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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67.5°		0.9
70°		0.4

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(END OF REPORT)