

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: IRiS

Report Number: P1318140

Luminaire Tested: P3SQAS17R309835DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R309835DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

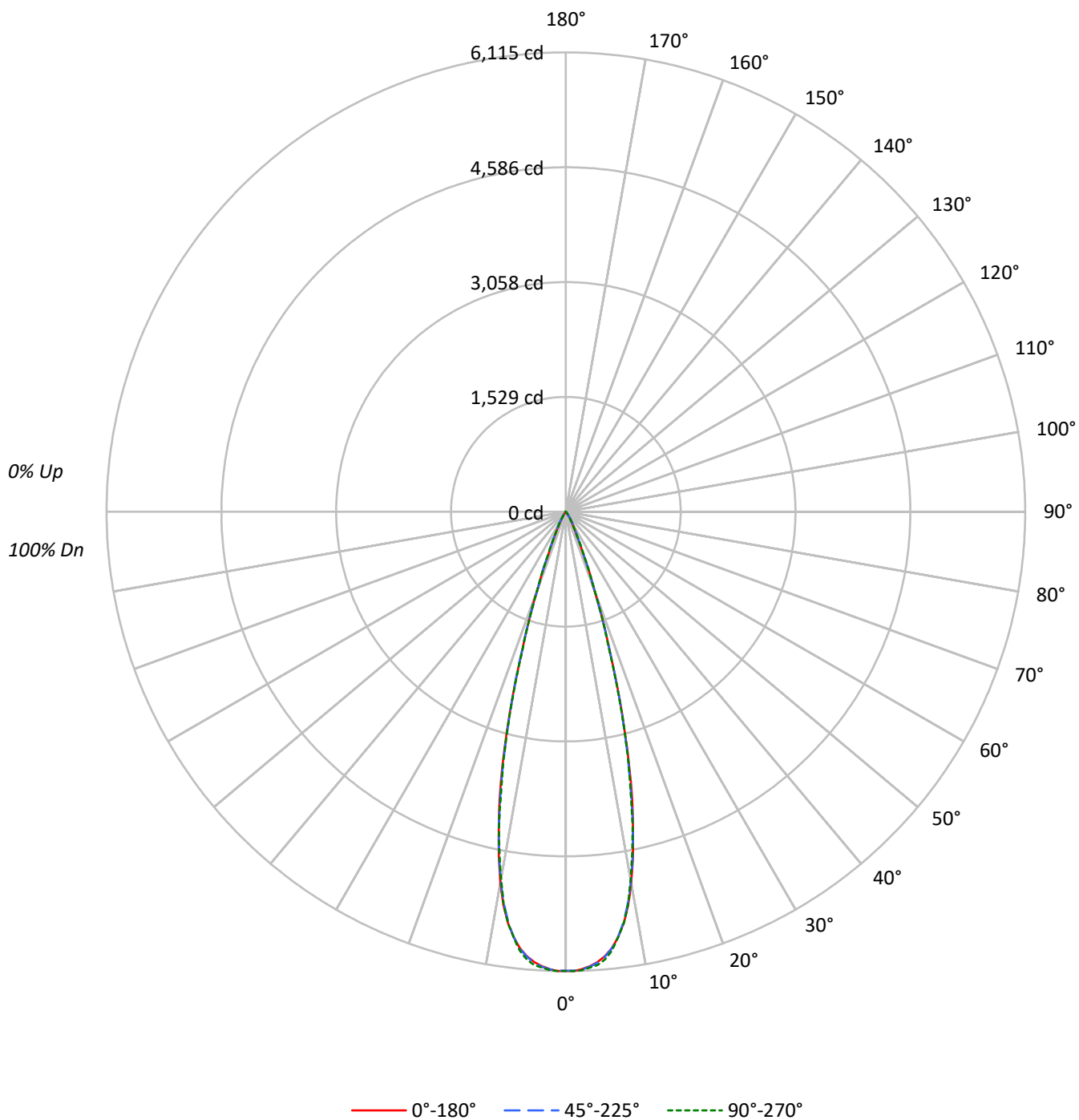
Lumens per Lamp: N/A
Luminaire Lumens: 1577.0 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): 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

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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				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	97	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	91	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	88	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	86	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	83	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	81	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	79	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	75	75

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1052556	1052556	1052556
5°	1026893	1028172	1033895
10°	877038	872963	867822
15°	541241	534894	536855
20°	204554	205672	205452
25°	62937	68980	65730
30°	25375	32196	26350
35°	7485	13666	7737
40°	3035	5508	3035
45°	609	1802	609
50°	0	322	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1802 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	539.0	34.2
10°-20°	798.1	50.6
20°-30°	198.0	12.6
30°-40°	37.2	2.4
40°-50°	4.7	0.3
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	1535.1	97.3
0°-40°	1572.3	99.7
0°-60°	1577.0	100.0
0°-90°	1577.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1577.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6112	6112	6112	6112	6112	
5°	5940	5938	5947	5957	5980	539
15°	3036	3006	3000	3023	3011	802
25°	331	353	363	362	346	191
35°	36	47	65	48	37	30
45°	2	4	7	5	2	3
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6111.6	6111.6	6111.6	6111.6	6111.6
1°	6114.1	6109.2	6109.2	6101.8	6115.3
2°	6092.0	6087.1	6095.7	6089.5	6106.7
3°	6058.9	6052.7	6065.0	6068.7	6077.3
4°	6009.8	6004.9	6018.4	6025.8	6049.1
5°	5939.9	5937.5	5947.3	5957.1	5980.4
6°	5844.2	5840.6	5846.7	5859.0	5873.7
7°	5705.6	5698.3	5703.2	5705.6	5709.3
8°	5530.3	5519.2	5513.1	5526.6	5533.9
9°	5304.6	5292.3	5278.8	5273.9	5291.1
10°	5015.1	4996.7	4991.8	4979.6	4962.4
11°	4679.1	4664.4	4660.7	4638.6	4628.8
12°	4294.0	4286.6	4295.2	4281.7	4276.8
13°	3924.8	3878.2	3872.0	3846.3	3832.8
14°	3488.1	3445.2	3444.0	3430.5	3448.9
15°	3035.6	3006.1	3000.0	3023.3	3011.0
17.5°	1935.4	1955.0	1950.1	1937.9	1917.0
20°	1116.1	1102.6	1122.2	1127.1	1121.0
22.5°	594.8	599.8	603.4	618.2	628.0
25°	331.2	353.2	363.0	361.8	345.9
27.5°	206.1	219.5	237.9	225.7	212.2
30°	127.6	138.6	161.9	139.8	132.5
32.5°	68.7	87.1	104.3	87.1	71.1
35°	35.6	46.6	65.0	47.8	36.8
37.5°	23.3	27.0	41.7	27.0	23.3
40°	13.5	17.2	24.5	17.2	13.5
42.5°	6.1	9.8	13.5	9.8	6.1
45°	2.5	3.7	7.4	4.9	2.5
47.5°	0.0	1.2	3.7	1.2	0.0
50°	0.0	0.0	1.2	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)