

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: P1311787

Luminaire Tested: P3SQAS24R359050D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311787
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R359050D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

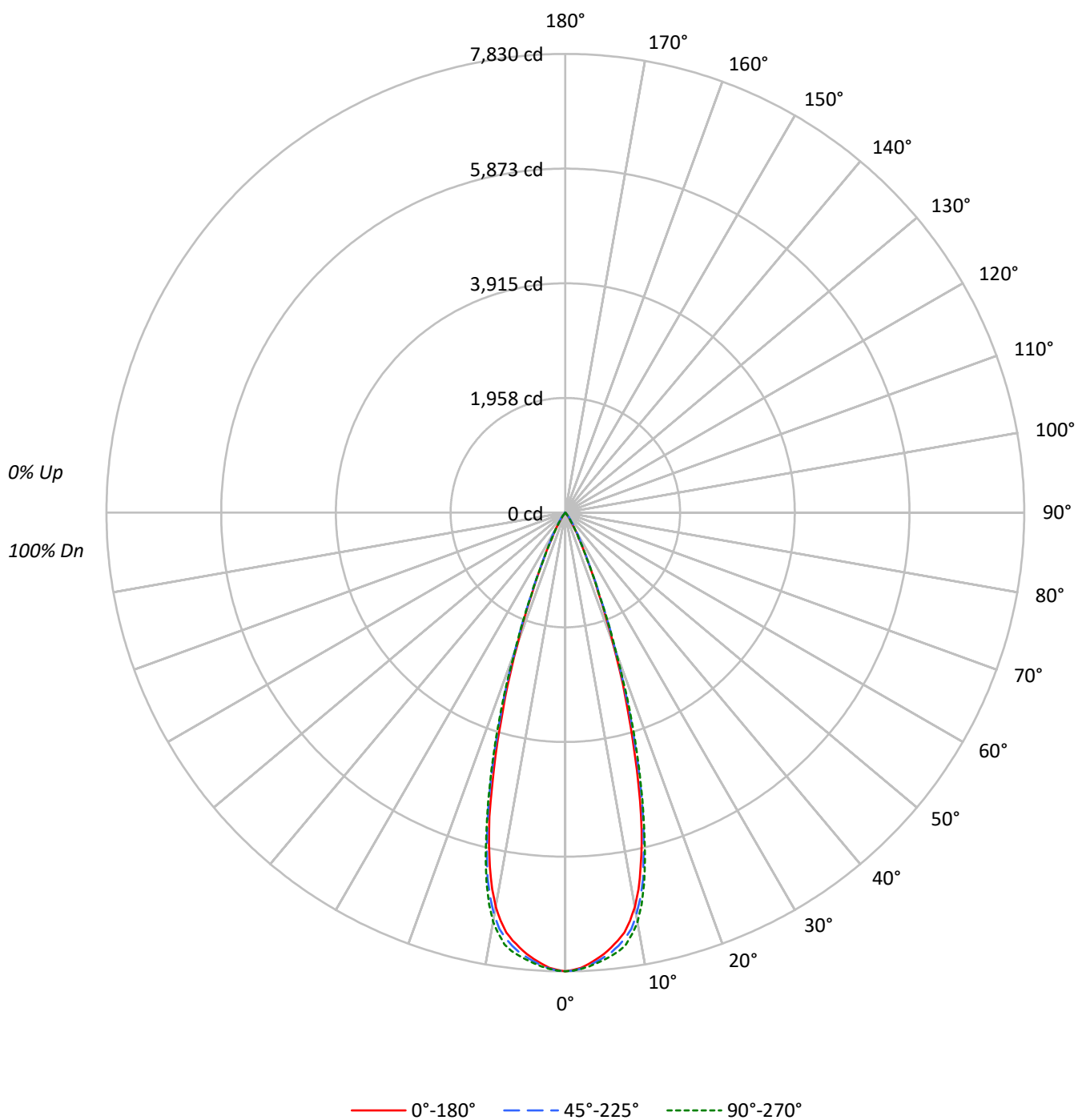
Lumens per Lamp: N/A
Luminaire Lumens: 2607.0 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	99	98
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	95	94
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93	92	91
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	88	87
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86	85	84
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83	82	81
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80	79	78
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	77	76	75
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	74	73	72
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	71	70	69
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	69	67	65

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1348486	1348486	1348486
5°	1307599	1316883	1324023
10°	1194881	1220169	1241102
15°	859289	896839	904203
20°	437479	459417	460553
25°	165969	169504	164791
30°	64472	74734	62822
35°	22139	34732	20835
40°	7419	13467	6969
45°	511	4530	511
50°	0	563	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: 4530 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	708.8	27.2
10°-20°	1320.5	50.7
20°-30°	474.7	18.2
30°-40°	92.6	3.6
40°-50°	10.3	0.4
50°-60°	0.1	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°	2504.0	96.0
0°-40°	2596.6	99.6
0°-60°	2607.0	100.0
0°-90°	2607.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2607.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7830	7830	7830	7830	7830	
5°	7564	7584	7617	7652	7659	701
15°	4819	4900	5030	5065	5071	1281
25°	873	882	892	886	867	458
35°	105	120	165	122	99	78
45°	2	6	19	6	2	5
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°	7829.9	7829.9	7829.9	7829.9	7829.9
1°	7807.2	7817.6	7819.6	7834.1	7817.6
2°	7774.2	7780.4	7788.6	7801.0	7792.8
3°	7710.2	7722.6	7741.2	7757.7	7757.7
4°	7642.0	7658.6	7681.3	7710.2	7708.1
5°	7563.6	7584.2	7617.3	7652.4	7658.6
6°	7464.5	7489.2	7542.9	7592.5	7600.7
7°	7359.2	7396.3	7447.9	7520.2	7538.8
8°	7235.3	7264.2	7338.5	7423.2	7443.8
9°	7053.6	7096.9	7191.9	7270.4	7282.8
10°	6832.6	6863.6	6977.2	7059.8	7096.9
11°	6547.7	6593.1	6704.6	6789.3	6814.0
12°	6184.3	6250.3	6380.4	6442.4	6463.0
13°	5791.9	5847.7	5948.9	6025.3	6041.8
14°	5350.0	5403.7	5509.0	5571.0	5556.5
15°	4819.4	4899.9	5030.0	5065.1	5071.3
17.5°	3559.8	3611.4	3727.1	3782.8	3822.1
20°	2387.0	2436.5	2506.7	2543.9	2512.9
22.5°	1451.6	1492.9	1530.1	1528.0	1517.7
25°	873.4	881.7	892.0	885.8	867.2
27.5°	510.0	532.7	563.7	543.1	512.1
30°	324.2	342.8	375.8	340.7	315.9
32.5°	171.4	216.8	251.9	204.4	179.6
35°	105.3	119.8	165.2	121.8	99.1
37.5°	64.0	74.3	103.2	72.3	57.8
40°	33.0	47.5	59.9	43.4	31.0
42.5°	10.3	22.7	33.0	20.6	10.3
45°	2.1	6.2	18.6	6.2	2.1
47.5°	0.0	0.0	8.3	2.1	0.0
50°	0.0	0.0	2.1	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)