

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: P1307359

Luminaire Tested: P3SQAS24R359027D010 E3SQPH1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R359027D010 E3SQPH1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , E3SQPH1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

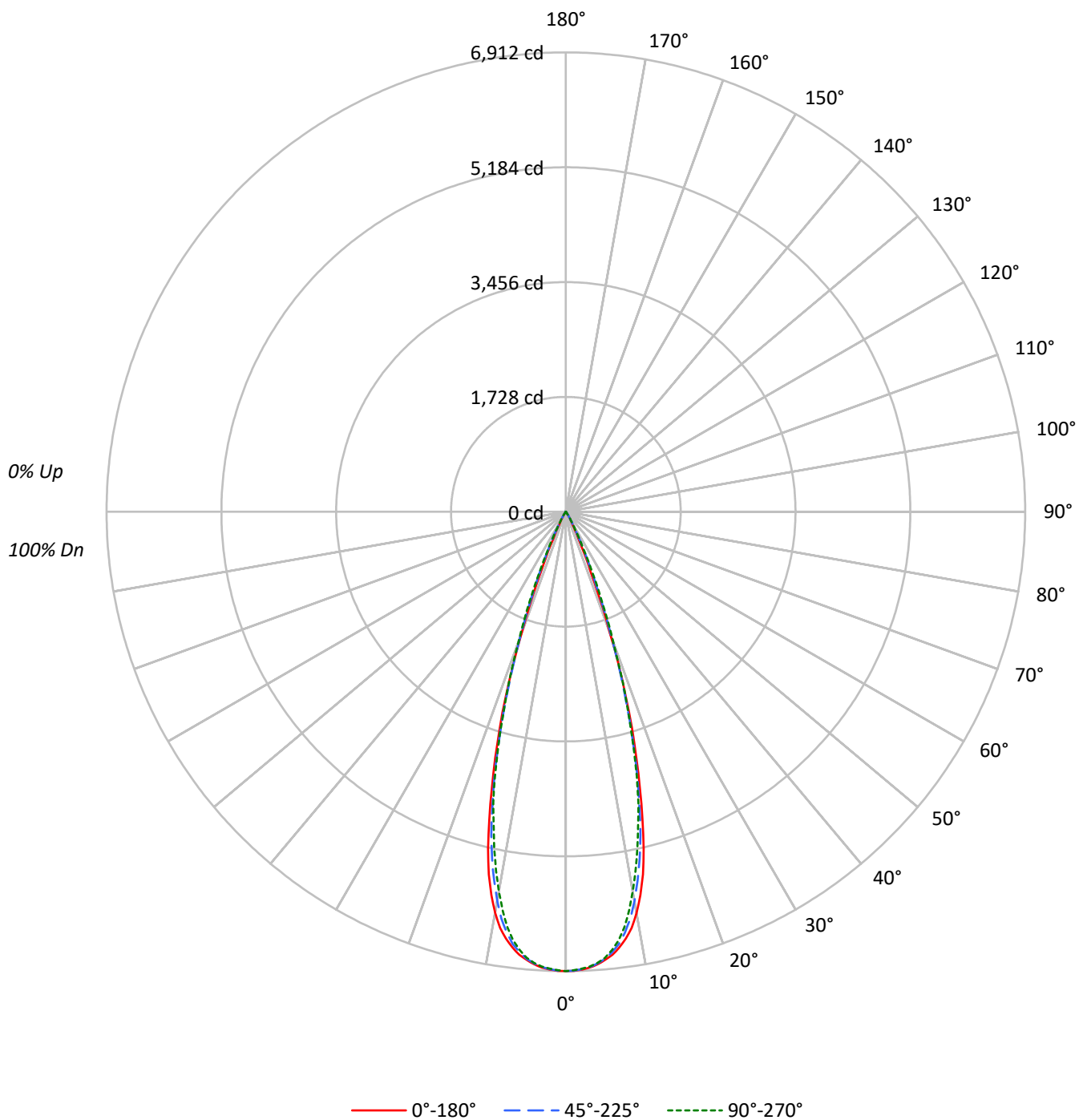
Lumens per Lamp: N/A
Luminaire Lumens: 2098.0 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	108	107	106	104	103	102	101	100	99	98	97	96	95
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93	92	91
3	108	103	100	97	106	102	99	96	99	97	94	97	95	93	95	93	92	90	89	87
4	104	99	95	92	103	98	94	92	96	93	91	94	92	90	93	90	89	87	85	83
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	82	80
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	79	77
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	78	76	74
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	75	73	71
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	73	71	69
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	71	69	67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1190437	1190437	1190437
5°	1169986	1167497	1164990
10°	1072273	1040043	1014756
15°	767805	743324	734302
20°	356031	368292	381213
25°	84467	120192	125342
30°	24799	28398	31978
35°	5698	9125	8368
40°	1214	2428	1619
45°	438	438	438
50°	482	0	482
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: 0°

Vertical Angle: 52.5°

Luminance: 509 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	620.6	29.6
10°-20°	1109.4	52.9
20°-30°	333.8	15.9
30°-40°	31.9	1.5
40°-50°	2.2	0.1
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°	2063.8	98.4
0°-40°	2095.7	99.9
0°-60°	2098.0	100.0
0°-90°	2098.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2098.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6912	6912	6912	6912	6912	
5°	6768	6766	6753	6744	6739	628
15°	4306	4274	4169	4151	4118	1137
25°	444	490	632	660	660	286
35°	27	36	43	47	40	25
45°	2	2	2	2	2	2
55°	0	0	0	0	0	1
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°	6912.2	6912.2	6912.2	6912.2	6912.2
1°	6908.6	6908.6	6905.0	6905.0	6897.7
2°	6892.3	6894.1	6886.9	6885.1	6879.7
3°	6867.0	6861.6	6861.6	6858.0	6854.4
4°	6827.2	6816.4	6812.8	6814.6	6807.4
5°	6767.6	6765.8	6753.2	6744.1	6738.7
6°	6702.6	6689.9	6662.8	6639.3	6633.9
7°	6605.0	6577.9	6554.4	6505.6	6498.4
8°	6485.7	6442.3	6391.7	6323.1	6319.5
9°	6339.3	6268.9	6198.4	6106.2	6073.7
10°	6131.5	6066.5	5947.2	5865.9	5802.6
11°	5873.1	5791.8	5652.6	5555.0	5502.6
12°	5580.3	5504.4	5341.8	5253.3	5179.2
13°	5204.5	5141.2	4989.4	4891.8	4834.0
14°	4769.0	4722.0	4577.4	4534.0	4514.2
15°	4306.3	4273.8	4169.0	4150.9	4118.4
17.5°	3169.7	3115.5	3055.8	3066.7	3077.5
20°	1942.6	2018.5	2009.5	2049.3	2080.0
22.5°	968.6	1066.2	1180.0	1248.7	1283.0
25°	444.5	489.7	632.5	659.6	659.6
27.5°	224.1	234.9	298.2	303.6	318.1
30°	124.7	133.7	142.8	159.0	160.8
32.5°	63.2	74.1	77.7	86.7	83.1
35°	27.1	36.1	43.4	47.0	39.8
37.5°	12.6	16.3	23.5	21.7	16.3
40°	5.4	7.2	10.8	9.0	7.2
42.5°	3.6	3.6	5.4	3.6	3.6
45°	1.8	1.8	1.8	1.8	1.8
47.5°	1.8	1.8	0.0	1.8	1.8
50°	1.8	0.0	0.0	0.0	1.8
52.5°	1.8	0.0	0.0	0.0	1.8
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)