

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: P1309305

Luminaire Tested: P3SQAS17R359035DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309305
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: P3SQAS17R359035DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

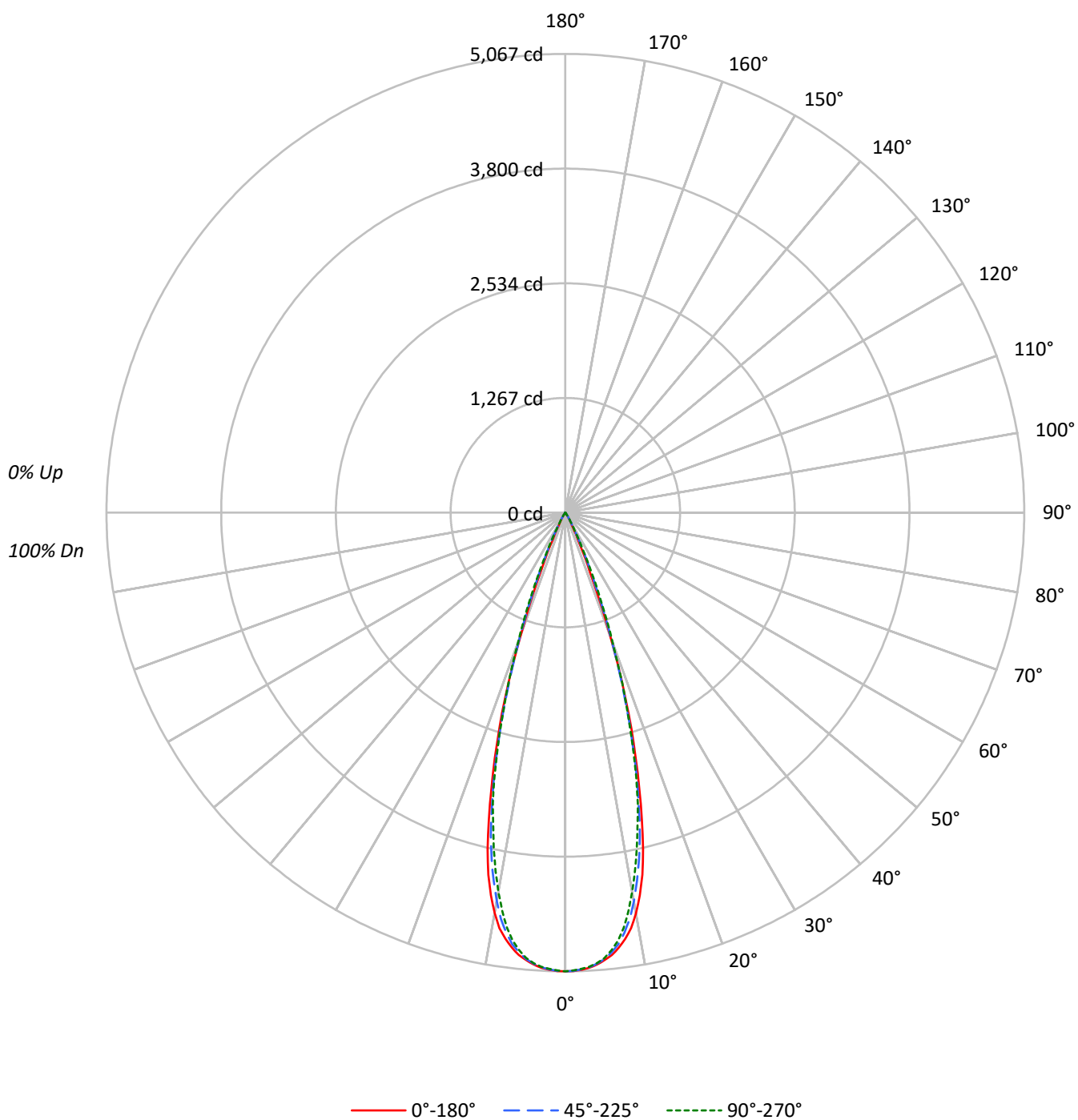
Lumens per Lamp: N/A
Luminaire Lumens: 1538.0 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.56 / 0.51
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	82
5	101	95	91	88	100	95	91	88	93	90	87	92	89	87	90	88	86	85	83	81
6	98	92	88	85	97	91	88	85	90	87	84	89	86	84	88	85	83	82	80	77
7	96	89	85	82	94	89	85	82	87	84	81	86	83	81	85	83	81	79	77	75
8	93	86	82	79	92	86	82	79	85	81	79	84	81	79	83	80	78	76	74	73
9	90	84	80	77	89	83	79	77	82	79	76	82	79	76	81	78	76	74	72	70
10	88	81	77	75	87	81	77	74	80	77	74	80	76	74	79	76	74	72	70	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	872687	872687	872687
5°	857695	855862	854030
10°	786066	762439	743902
15°	562869	544914	538299
20°	261003	269983	279458
25°	61930	88115	91878
30°	18176	20821	23446
35°	4184	6686	6118
40°	899	1776	1192
45°	317	317	317
50°	348	0	348
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: 368 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	454.9	29.6
10°-20°	813.3	52.9
20°-30°	244.7	15.9
30°-40°	23.4	1.5
40°-50°	1.6	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°	1512.9	98.4
0°-40°	1536.3	99.9
0°-60°	1538.0	100.0
0°-90°	1538.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1538.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5067	5067	5067	5067	5067	
5°	4961	4960	4951	4944	4940	460
15°	3157	3133	3056	3043	3019	834
25°	326	359	464	484	484	210
35°	20	26	32	34	29	18
45°	1	1	1	1	1	1
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°	5067.2	5067.2	5067.2	5067.2	5067.2
1°	5064.5	5064.5	5061.9	5061.9	5056.6
2°	5052.6	5053.9	5048.6	5047.3	5043.3
3°	5034.1	5030.1	5030.1	5027.4	5024.8
4°	5004.9	4997.0	4994.3	4995.6	4990.3
5°	4961.2	4959.9	4950.6	4944.0	4940.0
6°	4913.5	4904.2	4884.4	4867.1	4863.2
7°	4842.0	4822.1	4804.9	4769.1	4763.8
8°	4754.5	4722.7	4685.6	4635.3	4632.7
9°	4647.2	4595.6	4543.9	4476.3	4452.5
10°	4494.9	4447.2	4359.8	4300.1	4253.8
11°	4305.4	4245.8	4143.8	4072.3	4033.9
12°	4090.8	4035.2	3916.0	3851.1	3796.7
13°	3815.3	3768.9	3657.6	3586.1	3543.7
14°	3496.0	3461.6	3355.6	3323.8	3309.2
15°	3156.9	3133.0	3056.2	3043.0	3019.1
17.5°	2323.6	2283.9	2240.2	2248.1	2256.1
20°	1424.1	1479.7	1473.1	1502.3	1524.8
22.5°	710.1	781.6	865.1	915.4	940.6
25°	325.9	359.0	463.7	483.5	483.5
27.5°	164.3	172.2	218.6	222.6	233.2
30°	91.4	98.0	104.7	116.6	117.9
32.5°	46.4	54.3	57.0	63.6	60.9
35°	19.9	26.5	31.8	34.4	29.1
37.5°	9.3	11.9	17.2	15.9	11.9
40°	4.0	5.3	7.9	6.6	5.3
42.5°	2.6	2.6	4.0	2.6	2.6
45°	1.3	1.3	1.3	1.3	1.3
47.5°	1.3	1.3	0.0	1.3	1.3
50°	1.3	0.0	0.0	0.0	1.3
52.5°	1.3	0.0	0.0	0.0	1.3
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)