

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: P1317965

Luminaire Tested: P3SQAS13R209835DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317965
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R209835DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

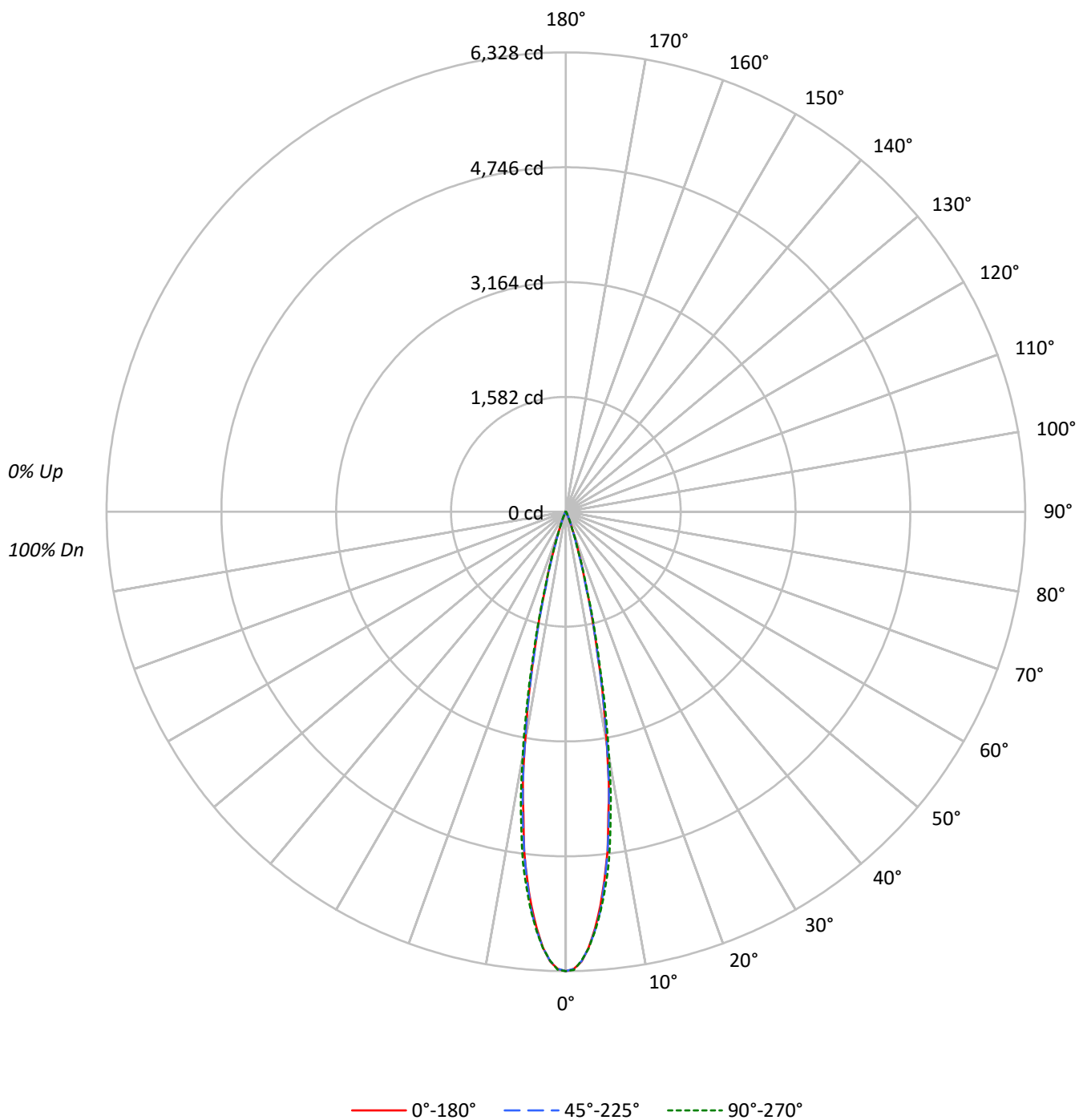
Lumens per Lamp: N/A
Luminaire Lumens: 850.0 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	92	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	87	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	85	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1089911	1089911	1089911
5°	941559	950324	953868
10°	566802	572101	600571
15°	196056	191456	206719
20°	51482	48440	48568
25°	11231	13530	15392
30°	4813	4813	4972
35°	2712	2397	2544
40°	1192	1371	1529
45°	365	560	560
50°	214	214	214
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: 22.5°

Vertical Angle: 45°

Luminance: 560 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.6	53.2
10°-20°	344.6	40.5
20°-30°	42.6	5.0
30°-40°	8.1	0.9
40°-50°	2.0	0.2
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°	839.9	98.8
0°-40°	847.9	99.8
0°-60°	850.0	100.0
0°-90°	850.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	850.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6328	6328	6328	6328	6328	
5°	5446	5442	5497	5493	5518	449
15°	1100	1060	1074	1138	1159	344
25°	59	67	71	74	81	41
35°	13	13	11	12	12	8
45°	2	2	2	2	2	2
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°	6328.5	6328.5	6328.5	6328.5	6328.5
1°	6299.0	6291.4	6297.5	6284.6	6311.1
2°	6198.2	6190.7	6190.7	6183.1	6186.9
3°	6010.4	6022.6	6015.0	5999.1	6019.5
4°	5754.5	5768.1	5780.2	5781.0	5784.0
5°	5446.3	5442.5	5497.0	5493.2	5517.5
6°	5094.9	5090.4	5113.8	5153.2	5201.7
7°	4708.7	4653.4	4716.3	4795.8	4860.9
8°	4208.9	4223.3	4266.5	4360.4	4412.6
9°	3784.8	3700.8	3792.4	3904.5	3961.3
10°	3241.1	3173.0	3271.4	3389.5	3434.2
12.5°	2040.1	1981.0	2012.8	2137.0	2156.7
15°	1099.6	1060.2	1073.8	1138.2	1159.4
17.5°	561.1	525.5	518.0	558.9	563.4
20°	280.9	272.6	264.3	268.1	265.0
22.5°	130.3	141.6	140.1	132.5	141.6
25°	59.1	67.4	71.2	74.2	81.0
27.5°	36.3	34.8	40.1	43.2	43.9
30°	24.2	23.5	24.2	25.0	25.0
32.5°	17.4	16.7	15.9	15.9	16.7
35°	12.9	12.9	11.4	12.1	12.1
37.5°	9.1	9.1	8.3	9.1	9.1
40°	5.3	6.1	6.1	6.1	6.8
42.5°	3.0	3.8	3.8	3.8	3.8
45°	1.5	2.3	2.3	2.3	2.3
47.5°	0.8	0.8	0.8	1.5	1.5
50°	0.8	0.8	0.8	0.8	0.8
52.5°	0.8	0.0	0.0	0.0	0.8
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)