

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: P1316213

Luminaire Tested: P3SQAS13R209827DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316213
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: P3SQAS13R209827DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

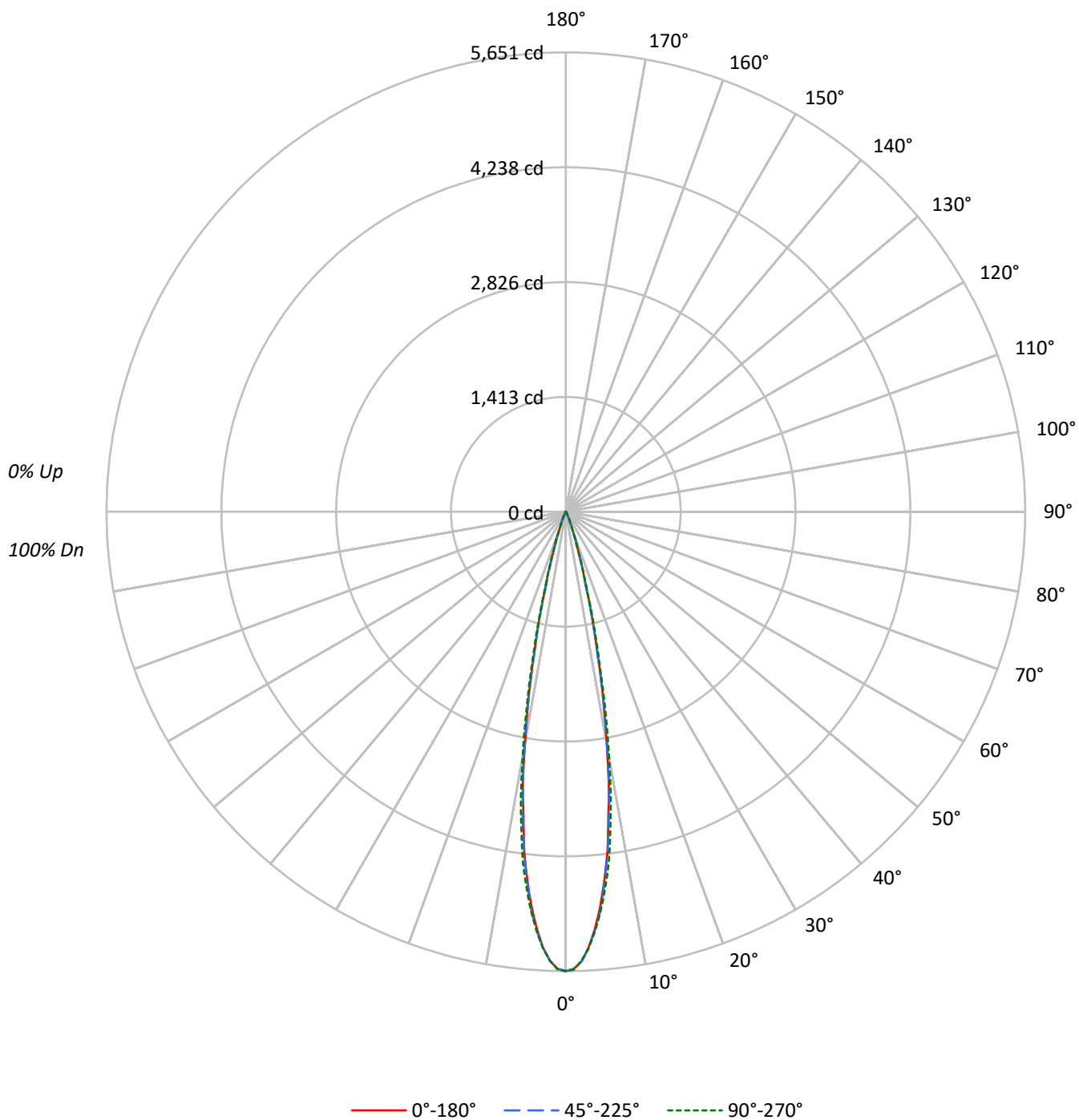
Lumens per Lamp: N/A
Luminaire Lumens: 759.0 lumens
Efficiency: N/A
Efficacy: 52.3 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1316213

CATALOG NUMBER: P3SQAS13R209827DE010 E3SQPH1MW

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	111	113	112	110	109	108	107	106		104	103	102		101
2	113	109	107	105	111	108	106	104	105	103	101		102	101	99		99
3	110	106	103	100	108	105	102	100	102	100	98		100	98	97		98
4	107	103	99	97	106	102	99	96	100	97	95		98	96	94		96
5	105	100	97	94	104	99	96	94	98	95	93		96	94	92		95
6	103	98	94	92	102	97	94	91	96	93	91		95	92	90		93
7	101	95	92	90	100	95	92	89	94	91	89		93	90	89		92
8	99	93	90	88	98	93	90	88	92	89	87		91	89	87		91
9	97	92	88	86	96	91	88	86	91	88	86		90	87	86		89
10	95	90	87	85	95	90	87	85	89	86	84		88	86	84		88

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	973230	973230	973230
5°	840752	848584	851748
10°	506119	510858	536285
15°	175053	170952	184592
20°	45984	43253	43381
25°	10014	12086	13758
30°	4295	4295	4435
35°	2418	2123	2271
40°	1057	1214	1371
45°	341	487	487
50°	188	188	188
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: 487 cd/sqm

TEST NUMBER: P1316213

CATALOG NUMBER: P3SQAS13R209827DE010 E3SQPH1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	404.2	53.3
10°-20°	307.7	40.5
20°-30°	38.0	5.0
30°-40°	7.2	0.9
40°-50°	1.7	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°	750.0	98.8
0°-40°	757.1	99.8
0°-60°	759.0	100.0
0°-90°	759.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	759.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5651	5651	5651	5651	5651	
5°	4863	4860	4908	4905	4927	401
15°	982	947	959	1016	1035	307
25°	53	60	64	66	72	36
35°	12	12	10	11	11	7
45°	1	2	2	2	2	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°	5651.0	5651.0	5651.0	5651.0	5651.0
1°	5624.6	5617.8	5623.3	5611.8	5635.4
2°	5534.7	5527.9	5527.9	5521.1	5524.5
3°	5367.0	5377.8	5371.0	5356.8	5375.1
4°	5138.4	5150.6	5161.4	5162.1	5164.8
5°	4863.2	4859.8	4908.5	4905.1	4926.8
6°	4549.5	4545.4	4566.4	4601.5	4644.8
7°	4204.6	4155.2	4211.4	4282.4	4340.5
8°	3758.3	3771.2	3809.7	3893.5	3940.2
9°	3379.6	3304.6	3386.4	3486.5	3537.2
10°	2894.1	2833.3	2921.2	3026.7	3066.6
12.5°	1821.7	1768.9	1797.3	1908.2	1925.8
15°	981.8	946.7	958.8	1016.3	1035.3
17.5°	501.1	469.3	462.5	499.0	503.1
20°	250.9	243.4	236.0	239.4	236.7
22.5°	116.3	126.4	125.1	118.3	126.4
25°	52.7	60.2	63.6	66.3	72.4
27.5°	32.5	31.1	35.8	38.5	39.2
30°	21.6	21.0	21.6	22.3	22.3
32.5°	15.6	14.9	14.2	14.2	14.9
35°	11.5	11.5	10.1	10.8	10.8
37.5°	8.1	8.1	7.4	8.1	8.1
40°	4.7	5.4	5.4	5.4	6.1
42.5°	2.7	3.4	3.4	3.4	3.4
45°	1.4	2.0	2.0	2.0	2.0
47.5°	0.7	0.7	0.7	1.4	1.4
50°	0.7	0.7	0.7	0.7	0.7
52.5°	0.7	0.0	0.0	0.0	0.7
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)