

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: P1316376

Luminaire Tested: P3SQAS17R259827DE010 E3SQPH1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316376
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R259827DE010 E3SQPH1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQPH1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

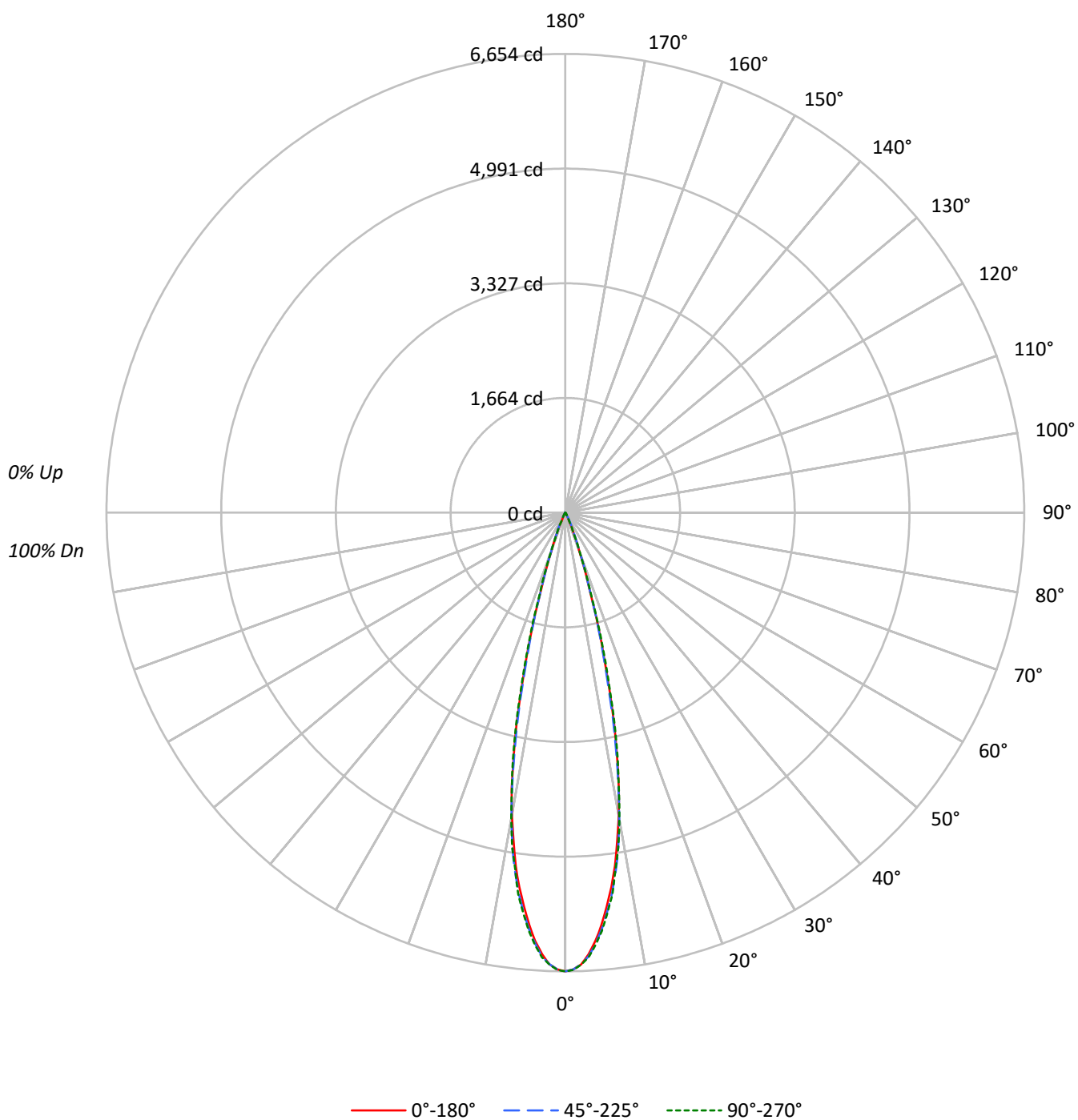
Lumens per Lamp: N/A
Luminaire Lumens: 1228.0 lumens
Efficiency: N/A
Efficacy: 60.2 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	115	113	112	110	113	111	110	108	107	106	105		104	103	102		100
2	112	109	106	104	110	107	105	103	104	102	101		101	100	98		99
3	109	105	102	99	107	104	101	98	101	99	97		99	97	95		97
4	106	101	98	95	105	100	97	95	99	96	94		97	94	93		95
5	104	98	95	92	102	98	94	92	96	93	91		95	92	90		93
6	101	96	92	89	100	95	92	89	94	91	89		93	90	88		91
7	99	93	89	87	98	93	89	87	92	89	86		91	88	86		90
8	97	91	87	85	96	90	87	85	90	86	84		89	86	84		88
9	95	89	85	83	94	88	85	83	88	85	82		87	84	82		86
10	93	87	83	81	92	86	83	81	86	83	81		85	82	80		85

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1145952	1145952	1145952
5°	1038459	1047932	1053032
10°	780679	786223	789861
15°	386550	375032	400012
20°	109159	110973	112183
25°	18927	35782	22480
30°	7398	7617	7835
35°	2292	2523	2523
40°	742	989	742
45°	536	268	536
50°	295	0	295
55°	330	0	330
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: 45°

Luminance: 536 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	528.6	43.0
10°-20°	596.1	48.5
20°-30°	92.5	7.5
30°-40°	9.4	0.8
40°-50°	1.3	0.1
50°-60°	0.2	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°	1217.2	99.1
0°-40°	1226.5	99.9
0°-60°	1228.0	100.0
0°-90°	1228.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1228.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6654	6654	6654	6654	6654	
5°	6007	6018	6062	6086	6091	524
15°	2168	2153	2103	2198	2244	594
25°	100	148	188	143	118	84
35°	11	12	12	13	12	9
45°	2	1	1	1	2	1
55°	1	0	0	0	1	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°	6653.9	6653.9	6653.9	6653.9	6653.9
1°	6626.6	6635.3	6625.5	6636.4	6635.3
2°	6557.6	6566.3	6554.3	6560.9	6560.9
3°	6416.3	6435.0	6445.9	6453.6	6460.1
4°	6230.2	6251.0	6267.4	6287.1	6287.1
5°	6006.8	6017.8	6061.6	6085.7	6091.1
6°	5740.8	5784.6	5817.4	5865.6	5836.0
7°	5474.7	5510.8	5556.8	5564.5	5585.3
8°	5172.5	5210.8	5253.5	5245.9	5228.3
9°	4804.6	4860.4	4910.8	4894.4	4916.3
10°	4464.1	4498.0	4495.8	4479.4	4516.6
11°	4068.8	4076.5	4033.8	4100.5	4060.0
12°	3600.2	3606.7	3552.0	3617.7	3659.3
13°	3151.2	3135.9	3060.4	3146.9	3199.4
14°	2634.4	2639.9	2543.5	2711.1	2697.9
15°	2168.0	2152.6	2103.4	2197.5	2243.5
17.5°	1155.2	1165.0	1153.0	1200.1	1229.6
20°	595.6	612.1	605.5	625.2	612.1
22.5°	308.8	331.8	338.3	323.0	281.4
25°	99.6	147.8	188.3	143.4	118.3
27.5°	60.2	59.1	92.0	63.5	64.6
30°	37.2	36.1	38.3	38.3	39.4
32.5°	20.8	21.9	20.8	23.0	21.9
35°	10.9	12.0	12.0	13.1	12.0
37.5°	6.6	7.7	7.7	7.7	6.6
40°	3.3	4.4	4.4	3.3	3.3
42.5°	2.2	2.2	2.2	2.2	2.2
45°	2.2	1.1	1.1	1.1	2.2
47.5°	1.1	1.1	0.0	1.1	1.1
50°	1.1	1.1	0.0	1.1	1.1
52.5°	1.1	0.0	0.0	0.0	1.1
55°	1.1	0.0	0.0	0.0	1.1
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)