

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: P1318240

Luminaire Tested: P3SQAS20R159835D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318240
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R159835D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

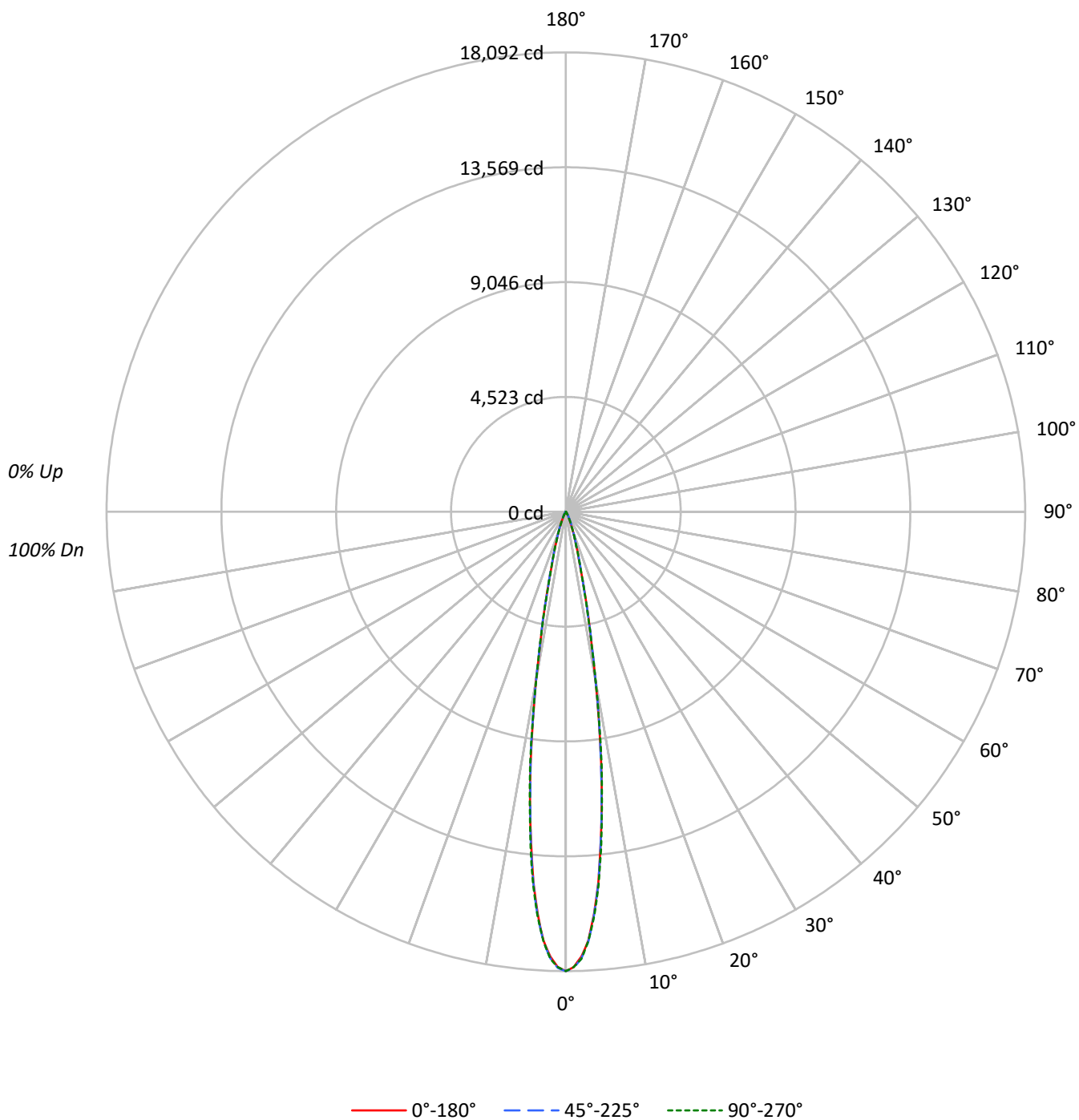
Lumens per Lamp: N/A
Luminaire Lumens: 2031.0 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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

TEST NUMBER: P1318240

CATALOG NUMBER: P3SQAS20R159835D010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1318240

CATALOG NUMBER: P3SQAS20R159835D010 E3SQCD1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3115783	3115783	3115783
5°	2533581	2542398	2551232
10°	1179929	1181048	1174630
15°	365083	378152	371056
20°	145557	153731	143798
25°	60904	71811	57882
30°	24739	32972	22830
35°	8052	15096	7380
40°	2878	6093	2878
45°	1169	1948	1169
50°	857	1286	857
55°	961	961	961
60°	1102	1102	1102
65°	652	652	652
70°	806	806	806
75°	1065	1065	1065
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1948 cd/sqm

TEST NUMBER: P1318240

CATALOG NUMBER: P3SQAS20R159835D010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1132.4	55.8
10°-20°	677.1	33.3
20°-30°	172.3	8.5
30°-40°	37.4	1.8
40°-50°	6.0	0.3
50°-60°	2.9	0.1
60°-70°	1.8	0.1
70°-80°	1.0	0.1
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°	1981.8	97.6
0°-40°	2019.2	99.4
0°-60°	2028.2	99.9
0°-90°	2031.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2031.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18092	18092	18092	18092	18092	
5°	14655	14676	14706	14639	14757	1130
15°	2048	2105	2121	2091	2081	674
25°	320	343	378	335	305	163
35°	38	49	72	48	35	30
45°	5	6	8	6	5	5
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	2	2	2	2	2	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1318240

CATALOG NUMBER: P3SQAS20R159835D010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18091.6	18091.6	18091.6	18091.6	18091.6
1°	17933.8	17964.1	17968.9	17964.1	17938.6
2°	17530.3	17619.6	17600.5	17562.2	17616.4
3°	16906.8	16951.4	16945.1	16948.3	16935.5
4°	15892.6	15970.7	15926.1	15959.6	15962.7
5°	14655.1	14675.8	14706.1	14639.2	14757.2
6°	13132.2	13264.5	13148.1	13263.0	13309.2
7°	11583.8	11660.3	11512.0	11591.7	11639.6
8°	10000.2	9866.3	9947.6	9949.2	10107.1
9°	8290.7	8317.9	8386.4	8308.3	8376.9
10°	6747.1	6809.3	6753.5	6726.4	6716.8
11°	5327.8	5398.0	5393.2	5401.2	5348.6
12°	4286.5	4249.8	4273.7	4195.6	4230.7
13°	3336.1	3337.7	3318.5	3286.6	3257.9
14°	2613.7	2597.7	2642.4	2602.5	2565.8
15°	2047.6	2105.0	2120.9	2090.6	2081.1
17.5°	1263.0	1264.6	1286.9	1258.2	1255.0
20°	794.2	813.3	838.8	808.5	784.6
22.5°	502.3	519.9	559.7	521.5	488.0
25°	320.5	342.9	377.9	334.9	304.6
27.5°	200.9	221.7	255.1	215.3	193.0
30°	124.4	138.7	165.8	135.5	114.8
32.5°	71.8	86.1	108.4	81.3	68.6
35°	38.3	49.4	71.8	47.8	35.1
37.5°	22.3	28.7	46.2	25.5	20.7
40°	12.8	17.5	27.1	15.9	12.8
42.5°	8.0	11.2	12.8	9.6	6.4
45°	4.8	6.4	8.0	6.4	4.8
47.5°	3.2	4.8	6.4	3.2	3.2
50°	3.2	3.2	4.8	3.2	3.2
52.5°	3.2	3.2	3.2	3.2	3.2
55°	3.2	3.2	3.2	3.2	3.2
57.5°	3.2	3.2	3.2	3.2	3.2
60°	3.2	3.2	3.2	3.2	3.2
62.5°	1.6	1.6	1.6	1.6	1.6
65°	1.6	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
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



TEST NUMBER: P1318240

CATALOG NUMBER: P3SQAS20R159835D010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)