

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: P1318373

Luminaire Tested: P3SQAS20R709835D010 E3SQCLDWW1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318373
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R709835D010 E3SQCLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3SQCLDWW1MMS TR
Light Source: -
Ballast/Driver: -

Summary

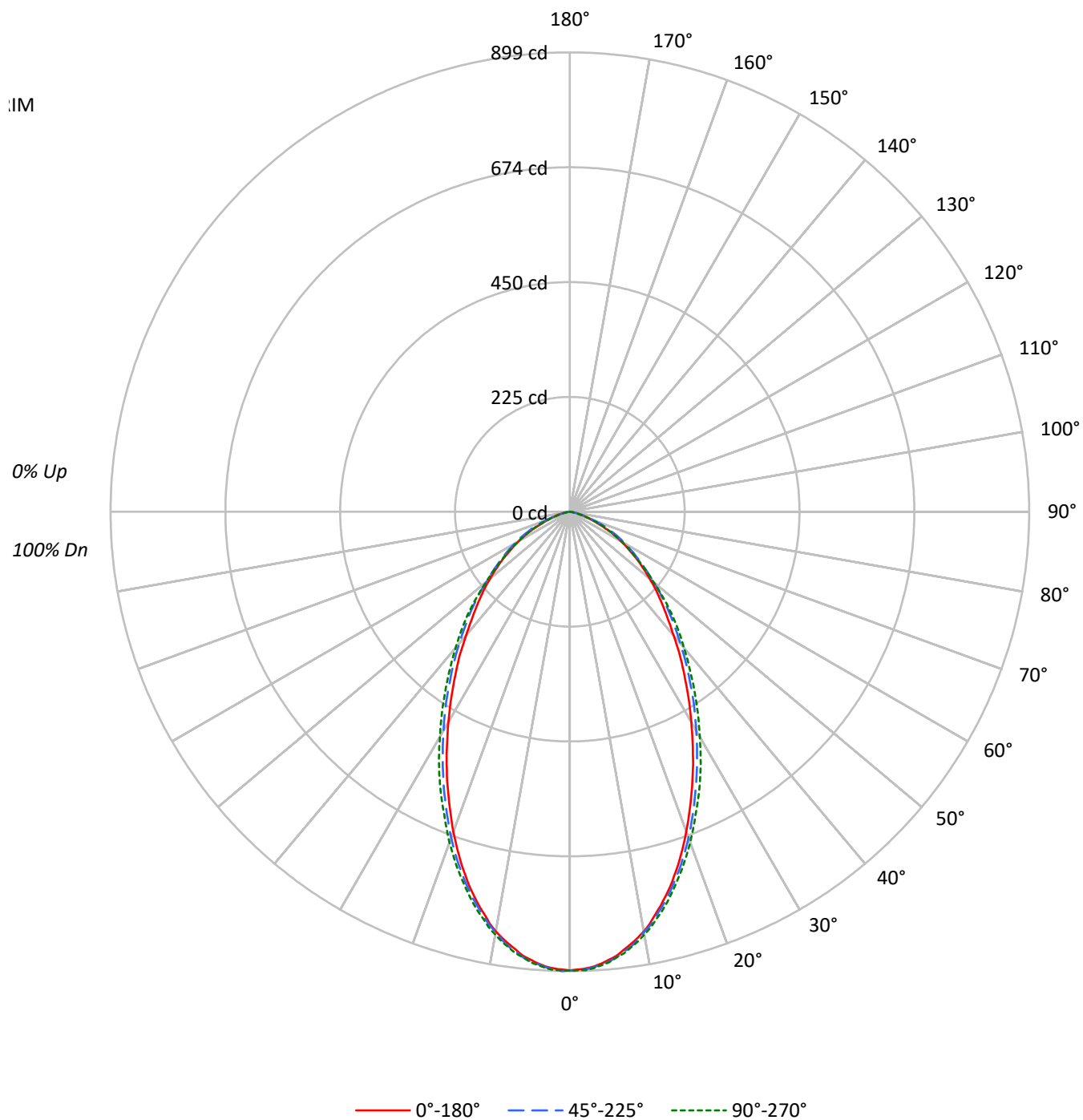
Lumens per Lamp: N/A
Luminaire Lumens: 1285.0 lumens
Efficiency: N/A
Efficacy: 46.9 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1318373

CATALOG NUMBER: P3SQAS20R709835D010 E3SQCLDWW1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1318373

CATALOG NUMBER: P3SQAS20R709835D010 E3SQCLDWW1MMS

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	111	108	104	102	109	106	103	100	101	99	97		98	96	94		94
2	103	97	92	87	101	95	90	86	92	88	84		89	85	82		86
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	89	79	72	66	87	78	71	66	76	70	65		74	69	64		72
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66
6	78	66	59	53	76	65	58	53	64	57	53		62	56	52		61
7	73	61	53	48	71	60	53	48	59	52	48		58	52	47		56
8	68	57	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	154587	154587	154587
5°	152152	152705	152965
10°	145814	146094	146934
15°	135310	136451	137593
20°	122135	124481	126222
25°	108163	111185	113921
30°	94481	98279	101143
35°	82122	86474	89165
40°	70976	75630	78148
45°	62132	66394	68343
50°	54685	57230	57230
55°	47381	49783	48342
60°	40093	42849	40645
65°	31175	35739	32479
70°	22458	26486	22458
75°	16968	15903	12709
80°	11108	7934	3174
85°	3162	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 68343 cd/sqm

TEST NUMBER: P1318373

CATALOG NUMBER: P3SQAS20R709835D010 E3SQCLDWW1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.8	6.4
10°-20°	213.6	16.6
20°-30°	268.1	20.9
30°-40°	256.1	19.9
40°-50°	208.2	16.2
50°-60°	145.8	11.3
60°-70°	82.3	6.4
70°-80°	26.1	2.0
80°-90°	2.0	0.2
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°	564.5	43.9
0°-40°	820.6	63.9
0°-60°	1174.6	91.4
0°-90°	1285.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1285.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	898	898	898	898	898	
5°	880	882	883	882	885	83
15°	759	760	765	767	772	212
25°	569	576	585	595	600	261
35°	391	397	411	419	424	245
45°	255	262	273	277	281	198
55°	158	159	166	163	161	141
65°	76	81	88	83	80	77
75°	26	26	24	21	19	27
85°	2	2	0	0	0	3
90°	0	0	0	0	0	

TEST NUMBER: P1318373

CATALOG NUMBER: P3SQAS20R709835D010 E3SQCLDWW1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	897.6	897.6	897.6	897.6	897.6
1°	896.0	897.6	899.2	896.0	897.6
2°	894.4	896.0	896.0	894.4	897.6
3°	891.2	892.8	892.8	891.2	894.4
4°	886.4	888.0	888.0	886.4	889.6
5°	880.1	881.7	883.3	881.7	884.8
6°	873.7	875.3	876.9	875.3	876.9
7°	864.1	867.3	867.3	867.3	870.5
8°	854.6	857.7	859.3	857.7	860.9
9°	845.0	846.6	848.2	848.2	851.4
10°	833.8	835.4	835.4	837.0	840.2
11°	821.1	821.1	824.3	824.3	829.0
12°	805.1	806.7	809.9	811.5	814.7
13°	790.8	792.4	795.6	797.2	801.9
14°	774.8	778.0	781.2	782.8	787.6
15°	758.9	760.5	765.3	766.9	771.7
17.5°	714.3	715.9	723.8	727.0	731.8
20°	666.4	671.2	679.2	684.0	688.7
22.5°	617.0	621.8	631.4	639.3	642.5
25°	569.2	575.6	585.1	594.7	599.5
27.5°	521.3	527.7	538.9	548.4	554.8
30°	475.1	481.5	494.2	502.2	508.6
32.5°	432.1	438.4	452.8	460.8	465.5
35°	390.6	397.0	411.3	419.3	424.1
37.5°	353.9	360.3	373.1	381.0	384.2
40°	315.7	323.6	336.4	344.4	347.6
42.5°	283.8	290.2	302.9	309.3	314.1
45°	255.1	261.5	272.6	277.4	280.6
47.5°	229.6	232.8	242.3	243.9	247.1
50°	204.1	207.3	213.6	215.2	213.6
52.5°	180.2	183.3	188.1	186.5	186.5
55°	157.8	159.4	165.8	162.6	161.0
57.5°	135.5	138.7	145.1	140.3	138.7
60°	116.4	119.6	124.4	121.2	118.0
62.5°	97.3	98.8	106.8	100.4	97.3
65°	76.5	81.3	87.7	82.9	79.7
67.5°	57.4	65.4	71.7	65.4	62.2
70°	44.6	47.8	52.6	49.4	44.6
72.5°	33.5	35.1	36.7	33.5	30.3
75°	25.5	25.5	23.9	20.7	19.1
77.5°	17.5	17.5	14.3	9.6	9.6
80°	11.2	11.2	8.0	3.2	3.2
82.5°	4.8	4.8	3.2	1.6	1.6
85°	1.6	1.6	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1318373

CATALOG NUMBER: P3SQAS20R709835D010 E3SQCLDWW1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)