

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: P1317428

Luminaire Tested: P3SQAS20R359830D010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317428
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359830D010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

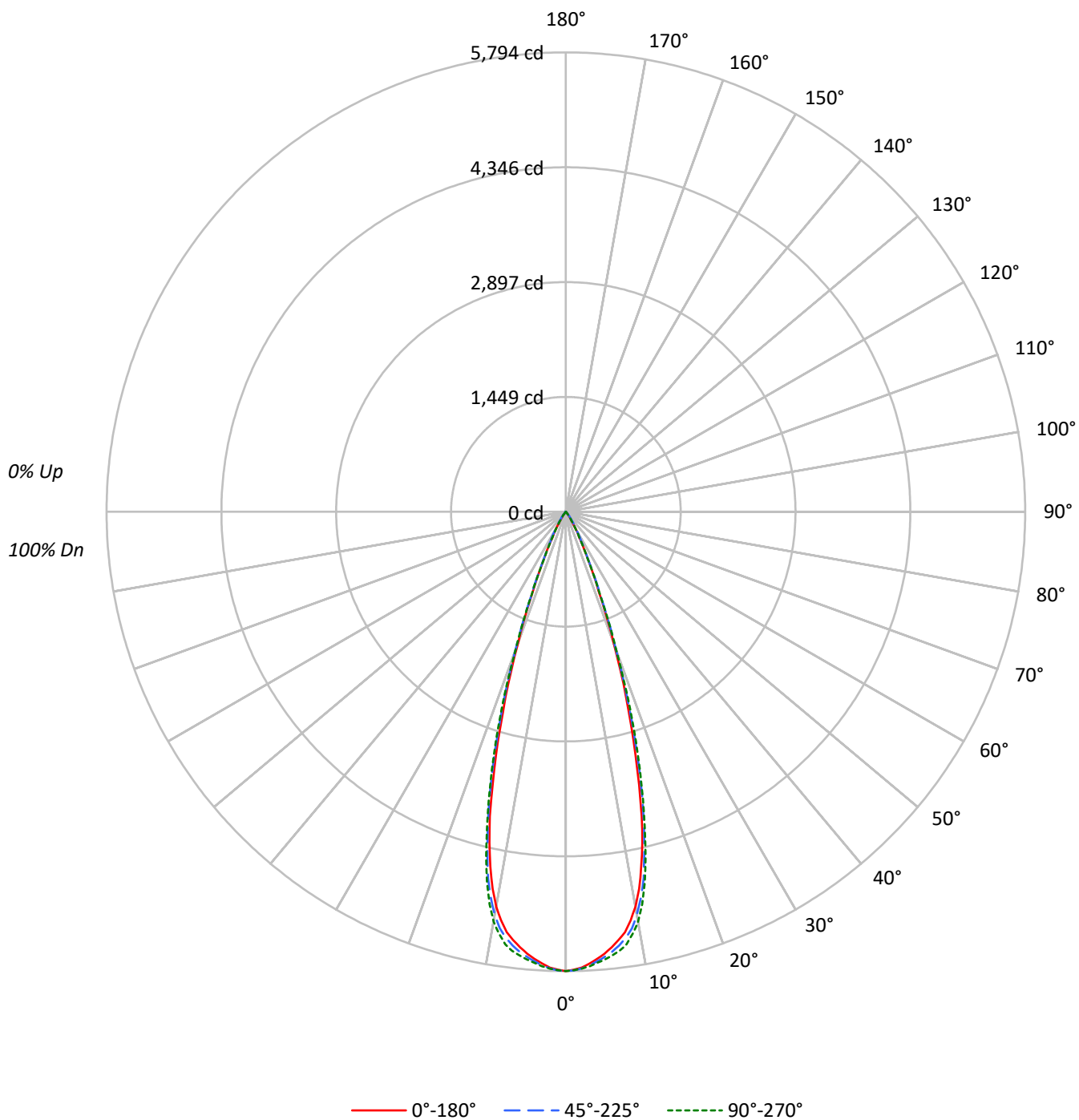
Lumens per Lamp: N/A
Luminaire Lumens: 1929.0 lumens
Efficiency: N/A
Efficacy: 70.4 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1317428

CATALOG NUMBER: P3SQAS20R359830D010 E3SQCD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1317428

CATALOG NUMBER: P3SQAS20R359830D010 E3SQCD1MMS

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	100	99	98
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	95	94
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93	92	91
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	88	87
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86	85	84
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83	82	81
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80	79	78
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	77	76	75
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	74	73	72
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	71	70	69
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	997789	997789	997789
5°	967526	974389	979679
10°	884138	902833	918327
15°	635811	663589	669045
20°	323701	339939	340782
25°	122814	125418	121940
30°	47708	55305	46495
35°	16378	25692	15411
40°	5486	9960	5148
45°	365	3361	365
50°	0	402	0
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: 45°

Vertical Angle: 45°

Luminance: 3361 cd/sqm

TEST NUMBER: P1317428

CATALOG NUMBER: P3SQAS20R359830D010 E3SQCD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	524.4	27.2
10°-20°	977.1	50.7
20°-30°	351.2	18.2
30°-40°	68.5	3.6
40°-50°	7.6	0.4
50°-60°	0.0	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°	1852.8	96.0
0°-40°	1921.3	99.6
0°-60°	1929.0	100.0
0°-90°	1929.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1929.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5794	5794	5794	5794	5794	
5°	5596	5612	5636	5662	5667	518
15°	3566	3626	3722	3748	3752	948
25°	646	652	660	655	642	339
35°	78	89	122	90	73	58
45°	2	5	14	5	2	4
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	

TEST NUMBER: P1317428

CATALOG NUMBER: P3SQAS20R359830D010 E3SQCD1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5793.6	5793.6	5793.6	5793.6	5793.6
1°	5776.8	5784.5	5786.0	5796.7	5784.5
2°	5752.4	5756.9	5763.1	5772.2	5766.1
3°	5705.0	5714.2	5727.9	5740.1	5740.1
4°	5654.6	5666.8	5683.6	5705.0	5703.5
5°	5596.5	5611.8	5636.2	5662.2	5666.8
6°	5523.2	5541.5	5581.2	5617.9	5624.0
7°	5445.3	5472.8	5511.0	5564.4	5578.2
8°	5353.6	5375.0	5430.0	5492.6	5507.9
9°	5219.1	5251.2	5321.5	5379.6	5388.7
10°	5055.7	5078.6	5162.6	5223.7	5251.2
11°	4844.8	4878.4	4960.9	5023.6	5041.9
12°	4575.9	4624.8	4721.1	4766.9	4782.2
13°	4285.6	4326.9	4401.7	4458.3	4470.5
14°	3958.7	3998.4	4076.3	4122.1	4111.5
15°	3566.0	3625.6	3721.8	3747.8	3752.4
17.5°	2634.0	2672.2	2757.8	2799.0	2828.1
20°	1766.2	1802.9	1854.8	1882.3	1859.4
22.5°	1074.1	1104.6	1132.1	1130.6	1123.0
25°	646.3	652.4	660.0	655.4	641.7
27.5°	377.4	394.2	417.1	401.8	378.9
30°	239.9	253.6	278.1	252.1	233.8
32.5°	126.8	160.4	186.4	151.3	132.9
35°	77.9	88.6	122.2	90.1	73.3
37.5°	47.4	55.0	76.4	53.5	42.8
40°	24.4	35.1	44.3	32.1	22.9
42.5°	7.6	16.8	24.4	15.3	7.6
45°	1.5	4.6	13.8	4.6	1.5
47.5°	0.0	0.0	6.1	1.5	0.0
50°	0.0	0.0	1.5	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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



TEST NUMBER: P1317428

CATALOG NUMBER: P3SQAS20R359830D010 E3SQCD1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)