

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: P1308328

Luminaire Tested: P3SQAS20R359030D010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308328
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: P3SQAS20R359030D010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

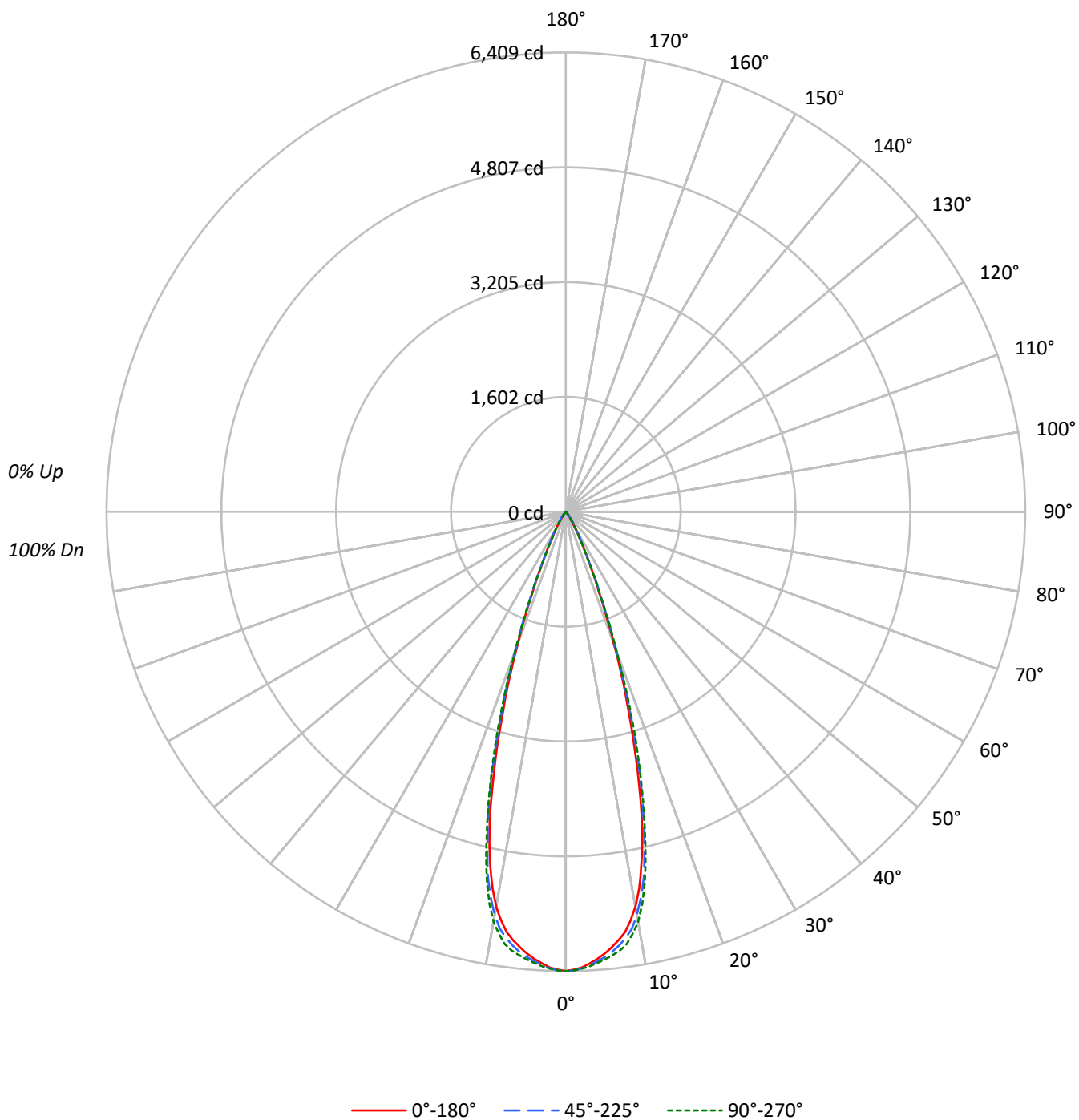
Lumens per Lamp: N/A
Luminaire Lumens: 2134.0 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1308328

CATALOG NUMBER: P3SQAS20R359030D010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1308328

CATALOG NUMBER: P3SQAS20R359030D010 E3SQCD1MB

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°	1103827	1103827	1103827
5°	1070355	1077945	1083788
10°	978083	998789	1015927
15°	703386	734124	740151
20°	358102	376063	376998
25°	135869	138757	134900
30°	52779	61171	51427
35°	18123	28425	17051
40°	6070	11016	5710
45°	414	3702	414
50°	0	455	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: 3702 cd/sqm

TEST NUMBER: P1308328

CATALOG NUMBER: P3SQAS20R359030D010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	580.2	27.2
10°-20°	1081.0	50.7
20°-30°	388.5	18.2
30°-40°	75.8	3.6
40°-50°	8.5	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°	2049.7	96.0
0°-40°	2125.5	99.6
0°-60°	2134.0	100.0
0°-90°	2134.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2134.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6409	6409	6409	6409	6409	
5°	6191	6208	6235	6264	6269	573
15°	3945	4011	4117	4146	4151	1048
25°	715	722	730	725	710	375
35°	86	98	135	100	81	64
45°	2	5	15	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: P1308328

CATALOG NUMBER: P3SQAS20R359030D010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6409.3	6409.3	6409.3	6409.3	6409.3
1°	6390.7	6399.2	6400.9	6412.7	6399.2
2°	6363.7	6368.8	6375.5	6385.7	6378.9
3°	6311.3	6321.4	6336.6	6350.2	6350.2
4°	6255.5	6269.0	6287.6	6311.3	6309.6
5°	6191.3	6208.2	6235.2	6264.0	6269.0
6°	6110.2	6130.4	6174.4	6214.9	6221.7
7°	6023.9	6054.4	6096.6	6155.8	6171.0
8°	5922.5	5946.2	6007.0	6076.3	6093.2
9°	5773.8	5809.3	5887.0	5951.3	5961.4
10°	5592.9	5618.3	5711.3	5778.9	5809.3
11°	5359.7	5396.9	5488.1	5557.4	5577.7
12°	5062.2	5116.3	5222.8	5273.5	5290.4
13°	4741.1	4786.7	4869.5	4932.1	4945.6
14°	4379.4	4423.3	4509.5	4560.2	4548.4
15°	3945.0	4010.9	4117.4	4146.1	4151.2
17.5°	2913.9	2956.2	3050.9	3096.5	3128.6
20°	1953.9	1994.5	2051.9	2082.4	2057.0
22.5°	1188.2	1222.0	1252.5	1250.8	1242.3
25°	715.0	721.7	730.2	725.1	709.9
27.5°	417.5	436.1	461.4	444.5	419.2
30°	265.4	280.6	307.6	278.9	258.6
32.5°	140.3	177.5	206.2	167.3	147.0
35°	86.2	98.0	135.2	99.7	81.1
37.5°	52.4	60.8	84.5	59.2	47.3
40°	27.0	38.9	49.0	35.5	25.4
42.5°	8.5	18.6	27.0	16.9	8.5
45°	1.7	5.1	15.2	5.1	1.7
47.5°	0.0	0.0	6.8	1.7	0.0
50°	0.0	0.0	1.7	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: P1308328

CATALOG NUMBER: P3SQAS20R359030D010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)