

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: P1307090

Luminaire Tested: P3SQAS17R459027DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307090
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R459027DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

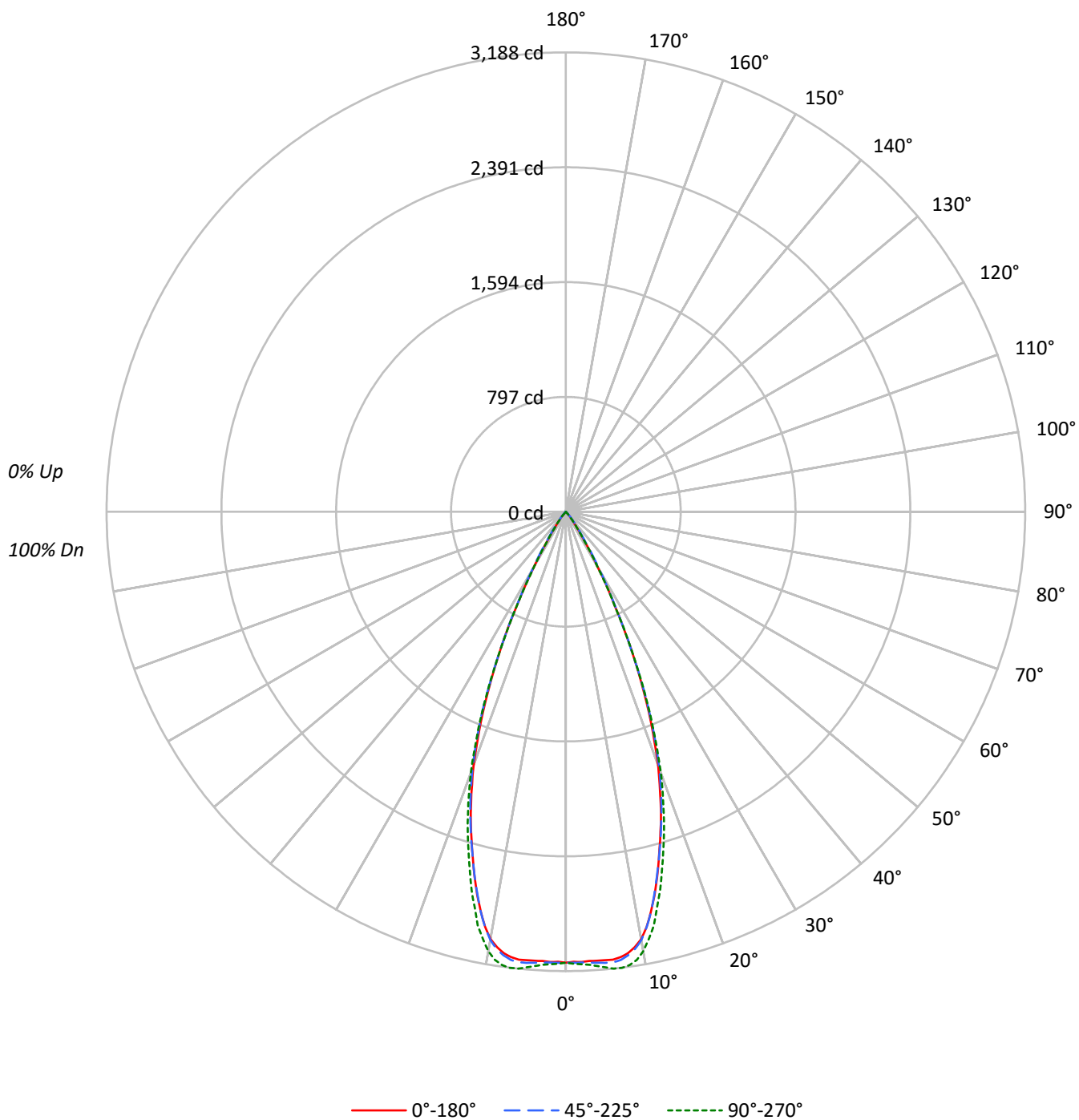
Lumens per Lamp: N/A
Luminaire Lumens: 1618.0 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1307090

CATALOG NUMBER: P3SQAS17R459027DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1307090

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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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	98	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	94	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	90	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	86	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	82	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	79	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	76	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	73	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	70	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	67	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	538971	538971	538971
5°	540200	543312	548723
10°	526667	527716	541602
15°	444319	444550	459117
20°	342982	347839	353575
25°	212773	213001	214388
30°	87779	93288	86347
35°	27311	33387	26302
40°	8386	11623	7846
45°	585	4384	585
50°	0	643	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: 4384 cd/sqm

TEST NUMBER: P1307090

CATALOG NUMBER: P3SQAS17R459027DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.8	18.4
10°-20°	692.5	42.8
20°-30°	508.0	31.4
30°-40°	109.2	6.7
40°-50°	10.4	0.6
50°-60°	0.1	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°	1498.4	92.6
0°-40°	1607.6	99.4
0°-60°	1618.0	100.0
0°-90°	1618.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1618.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3130	3130	3130	3130	3130	
5°	3125	3133	3143	3164	3174	296
15°	2492	2487	2493	2533	2575	686
25°	1120	1116	1121	1121	1128	502
35°	130	140	159	136	125	102
45°	2	7	18	7	2	6
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: P1307090

CATALOG NUMBER: P3SQAS17R459027DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3129.5	3129.5	3129.5	3129.5	3129.5
1°	3123.5	3130.7	3130.7	3135.5	3137.9
2°	3125.9	3130.7	3129.5	3137.9	3141.5
3°	3122.3	3130.7	3133.1	3142.7	3148.7
4°	3123.5	3130.7	3137.9	3152.3	3160.8
5°	3124.7	3133.1	3142.7	3164.4	3174.0
6°	3125.9	3131.9	3142.7	3170.4	3188.4
7°	3113.9	3122.3	3134.3	3169.2	3188.4
8°	3094.6	3099.4	3109.0	3154.8	3177.6
9°	3058.5	3057.3	3071.8	3122.3	3148.7
10°	3011.6	2997.2	3017.6	3068.2	3097.0
11°	2935.9	2920.2	2938.3	2992.4	3020.0
12°	2837.2	2837.2	2840.8	2888.9	2937.1
13°	2732.6	2720.6	2727.8	2781.9	2815.6
14°	2617.1	2605.1	2612.3	2653.2	2706.1
15°	2492.0	2487.2	2493.3	2532.9	2575.0
17.5°	2195.0	2184.2	2205.8	2245.5	2267.1
20°	1871.4	1889.5	1897.9	1923.2	1929.2
22.5°	1499.8	1519.0	1531.1	1534.7	1538.3
25°	1119.7	1116.1	1120.9	1120.9	1128.2
27.5°	736.1	736.1	749.3	740.9	732.5
30°	441.4	459.4	469.1	453.4	434.2
32.5°	240.5	258.6	274.2	251.4	234.5
35°	129.9	139.5	158.8	135.9	125.1
37.5°	71.0	79.4	91.4	77.0	71.0
40°	37.3	45.7	51.7	45.7	34.9
42.5°	12.0	22.9	30.1	22.9	10.8
45°	2.4	7.2	18.0	7.2	2.4
47.5°	0.0	1.2	8.4	1.2	0.0
50°	0.0	0.0	2.4	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: P1307090

CATALOG NUMBER: P3SQAS17R459027DE010 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)