

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: P1307092

Luminaire Tested: P3SQAS17R459027DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307092
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R459027DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

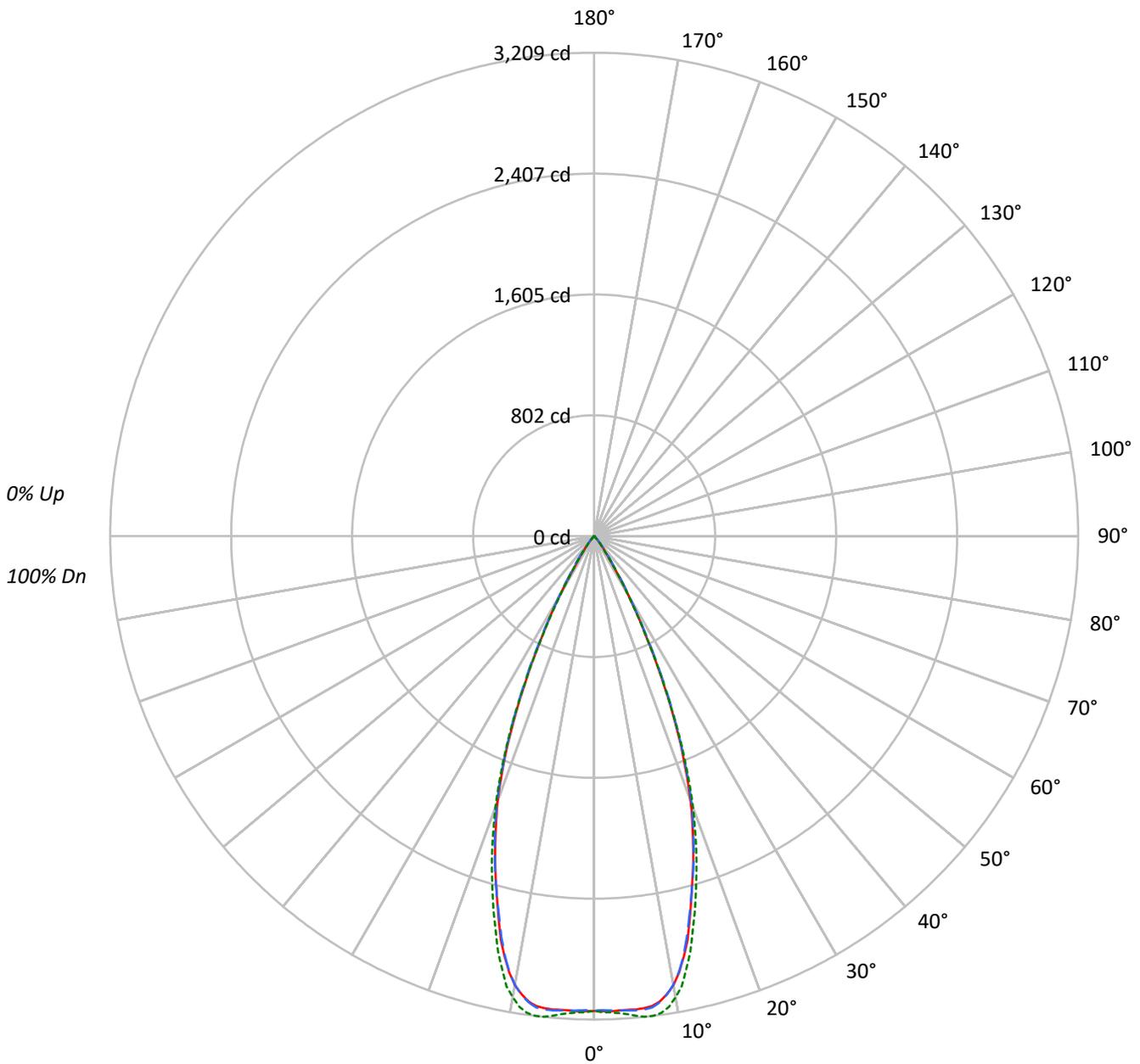
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1631.0 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 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 (A_{in}): 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: P1307092
CATALOG NUMBER: P3SQAS17R459027DE010 E3SQCD1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1307092

CATALOG NUMBER: P3SQAS17R459027DE010 E3SQCD1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	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	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	542725	542725	542725
5°	545421	546458	552699
10°	529238	528818	543525
15°	443534	443320	459617
20°	342872	346409	351248
25°	210188	214540	210664
30°	90146	94203	87282
35°	28320	34123	27563
40°	9735	12433	9465
45°	1754	5261	1461
50°	965	1929	965
55°	1081	1081	1081
60°	827	827	827
65°	978	978	978
70°	604	604	604
75°	799	799	799
80°	1190	1190	1190
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 5261 cd/sqm



TEST NUMBER: P1307092

CATALOG NUMBER: P3SQAS17R459027DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.5	18.4
10°-20°	692.1	42.4
20°-30°	506.7	31.1
30°-40°	112.0	6.9
40°-50°	13.7	0.8
50°-60°	3.2	0.2
60°-70°	2.3	0.1
70°-80°	1.3	0.1
80°-90°	0.2	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°	1498.3	91.9
0°-40°	1610.3	98.7
0°-60°	1627.2	99.8
0°-90°	1631.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1631.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3151	3151	3151	3151	3151	
5°	3155	3152	3161	3184	3197	298
15°	2488	2474	2486	2546	2578	686
25°	1106	1105	1129	1121	1109	501
35°	135	142	162	142	131	106
45°	7	12	22	12	6	10
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1307092

CATALOG NUMBER: P3SQAS17R459027DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3151.3	3151.3	3151.3	3151.3	3151.3
1°	3153.7	3148.9	3147.7	3156.1	3162.1
2°	3156.1	3150.1	3151.3	3159.7	3163.3
3°	3153.7	3147.7	3153.7	3165.7	3170.6
4°	3152.5	3150.1	3156.1	3173.0	3181.4
5°	3154.9	3152.5	3160.9	3183.8	3197.0
6°	3151.3	3147.7	3159.7	3188.6	3207.8
7°	3142.9	3139.3	3152.5	3187.4	3209.0
8°	3120.1	3112.8	3126.1	3169.3	3195.8
9°	3079.2	3069.6	3082.8	3133.3	3164.5
10°	3026.3	3015.5	3023.9	3073.2	3108.0
11°	2950.5	2936.1	2945.7	2998.6	3044.3
12°	2854.3	2833.9	2845.9	2906.0	2938.5
13°	2749.7	2730.5	2732.9	2787.0	2832.7
14°	2619.9	2594.6	2605.5	2662.0	2698.0
15°	2487.6	2474.4	2486.4	2546.5	2577.8
17.5°	2184.6	2183.4	2194.3	2238.7	2255.6
20°	1870.8	1874.4	1890.1	1914.1	1916.5
22.5°	1499.3	1500.5	1517.3	1534.2	1530.6
25°	1106.1	1104.9	1129.0	1120.6	1108.6
27.5°	733.4	738.2	759.9	744.2	732.2
30°	453.3	462.9	473.7	454.5	438.9
32.5°	245.3	260.9	276.5	259.7	244.1
35°	134.7	141.9	162.3	141.9	131.1
37.5°	78.2	81.8	95.0	81.8	74.5
40°	43.3	49.3	55.3	49.3	42.1
42.5°	18.0	27.7	33.7	27.7	18.0
45°	7.2	12.0	21.6	12.0	6.0
47.5°	3.6	4.8	13.2	4.8	3.6
50°	3.6	3.6	7.2	3.6	3.6
52.5°	3.6	3.6	3.6	3.6	3.6
55°	3.6	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	3.6	3.6	3.6
60°	2.4	2.4	2.4	3.6	2.4
62.5°	2.4	2.4	2.4	2.4	2.4
65°	2.4	2.4	2.4	2.4	2.4
67.5°	2.4	2.4	2.4	2.4	2.4
70°	1.2	1.2	1.2	2.4	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2
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: P1307092
CATALOG NUMBER: P3SQAS17R459027DE010 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)