

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: P1316297

Luminaire Tested: P3SQAS13R559827DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R559827DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

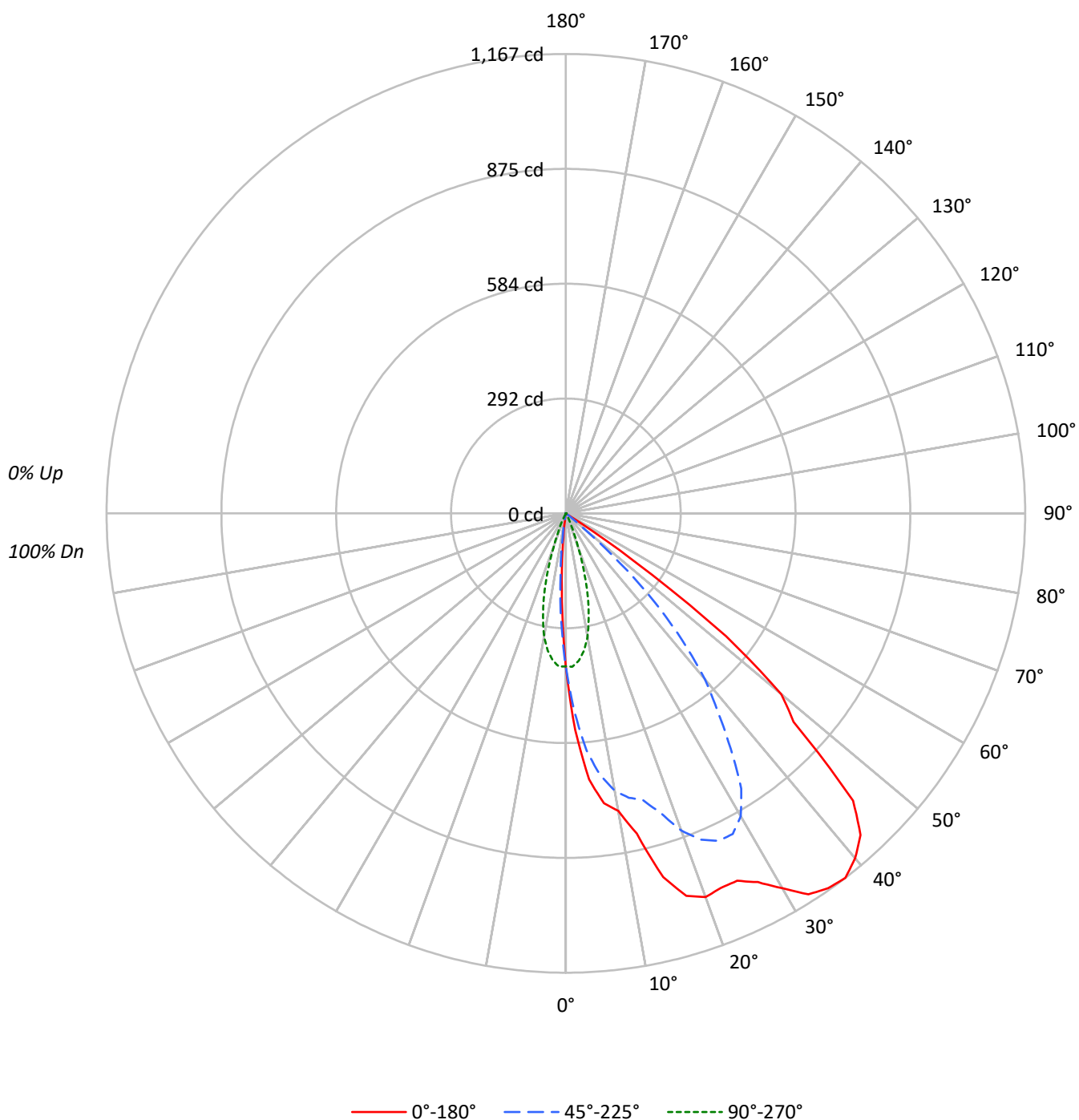
Lumens per Lamp: N/A
Luminaire Lumens: 719.1 lumens
Efficiency: N/A
Efficacy: 49.6 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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

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Luminous Intensity Polar Plot



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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	66908	66908	66908	66908	66908
5°	117282	104541	64951	26987	15542
10°	134237	125126	55542	2955	1067
15°	170596	134330	38067	606	357
20°	190093	157140	16715	0	0
25°	195670	174368	4751	0	0
30°	218613	176692	676	0	0
35°	244347	153416	0	0	0
40°	257037	123494	0	0	0
45°	251305	78012	0	0	0
50°	191356	15942	0	0	0
55°	62694	0	0	0	0
60°	0	0	0	0	0
65°	0	285	285	0	0
70°	0	352	352	0	0
75°	0	466	466	0	0
80°	0	694	1389	694	0
85°	0	1383	1383	1383	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 251305 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.5	4.9
10°-20°	104.0	14.5
20°-30°	169.2	23.5
30°-40°	201.1	28.0
40°-50°	164.4	22.9
50°-60°	43.6	6.1
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.5	0.1
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°	308.7	42.9
0°-40°	509.8	70.9
0°-60°	717.8	99.8
0°-90°	719.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	719.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	388	388	388	388	388	
5°	678	605	376	156	90	67
15°	957	753	214	3	2	267
25°	1030	918	25	0	0	485
35°	1162	730	0	0	0	723
45°	1032	320	0	0	0	741
55°	209	0	0	0	0	235
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	388.5	388.5	388.5	388.5	388.5	388.5	388.5	388.5	388.5	388.5	388.5
2.5°	551.4	547.3	548.0	545.9	548.0	539.2	529.7	520.9	514.2	504.7	447.3
5°	678.4	671.6	669.6	666.9	664.2	653.4	644.6	633.8	621.0	604.7	499.3
7.5°	742.6	737.2	734.5	735.8	729.7	725.7	714.2	702.0	688.5	671.0	538.5
10°	767.6	762.2	761.5	760.8	760.1	757.4	752.0	741.2	729.1	715.5	560.8
12.5°	833.1	821.0	812.8	803.4	791.9	777.0	764.9	755.4	750.7	739.9	571.0
15°	956.8	945.3	936.5	924.3	902.7	871.0	841.9	804.7	772.3	753.4	566.9
17.5°	1018.9	1013.5	1006.1	998.0	983.1	960.1	930.4	891.2	850.0	796.6	547.3
20°	1037.2	1034.5	1029.1	1025.7	1015.5	999.3	979.1	948.7	910.1	857.4	516.9
22.5°	1029.7	1031.8	1034.5	1043.3	1044.6	1033.1	1014.2	985.1	946.0	897.3	470.3
25°	1029.7	1028.4	1028.4	1046.6	1058.1	1052.7	1039.2	1012.8	973.0	917.6	412.8
27.5°	1056.1	1048.0	1031.1	1050.0	1068.9	1066.9	1054.7	1023.7	979.1	918.2	342.6
30°	1099.3	1081.8	1054.1	1071.6	1089.2	1081.8	1062.2	1022.3	965.5	888.5	256.8
32.5°	1147.3	1139.2	1125.0	1136.5	1133.8	1104.1	1068.9	1013.5	937.8	829.1	173.0
35°	1162.2	1163.5	1154.1	1152.0	1136.5	1106.1	1068.9	988.5	879.7	729.7	102.7
37.5°	1166.9	1167.6	1152.7	1133.8	1110.8	1075.0	1030.4	937.2	772.3	633.8	54.7
40°	1143.3	1142.6	1118.3	1095.3	1069.6	1034.5	969.6	829.1	670.3	549.3	19.6
42.5°	1108.1	1099.3	1076.4	1048.0	1016.9	973.0	871.6	700.0	582.4	439.9	1.4
45°	1031.8	1023.7	1005.4	975.0	940.5	878.4	718.2	601.4	473.7	320.3	0.0
47.5°	784.5	780.4	799.3	803.4	802.7	731.8	599.3	490.5	348.0	186.5	0.0
50°	714.2	708.8	689.9	665.5	622.3	562.8	480.4	363.5	204.1	59.5	0.0
52.5°	512.8	530.4	534.5	516.2	475.7	416.9	331.1	209.5	70.9	0.0	0.0
55°	208.8	198.0	206.1	216.2	224.3	206.1	152.7	74.3	0.7	0.0	0.0
57.5°	0.0	0.7	4.1	9.5	15.5	19.6	20.9	1.4	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.7	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	388.5	388.5	388.5	388.5	388.5
2.5°	389.9	329.7	271.6	239.9	224.3
5°	375.7	252.0	156.1	108.1	89.9
7.5°	352.0	173.0	62.2	25.7	18.2
10°	317.6	99.3	16.9	6.8	6.1
12.5°	268.2	45.3	6.1	4.7	4.7
15°	213.5	15.5	3.4	2.7	2.0
17.5°	150.0	4.1	1.4	0.0	0.0
20°	91.2	0.7	0.0	0.0	0.0
22.5°	50.7	0.0	0.0	0.0	0.0
25°	25.0	0.0	0.0	0.0	0.0
27.5°	10.8	0.0	0.0	0.0	0.0
30°	3.4	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	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°	0.7	0.0	0.0	0.0	0.0
65°	0.7	0.7	0.0	0.0	0.0
67.5°	0.7	0.7	0.0	0.0	0.0
70°	0.7	0.7	0.0	0.0	0.0
72.5°	0.7	0.7	0.0	0.0	0.0
75°	0.7	0.7	0.0	0.0	0.0
77.5°	1.4	0.7	0.7	0.0	0.0
80°	1.4	0.7	0.7	0.0	0.0
82.5°	1.4	0.7	0.7	0.0	0.0
85°	0.7	0.7	0.7	0.0	0.0
87.5°	1.4	0.7	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)