

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: P1316837

Luminaire Tested: P3SQAS05R359830DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316837
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R359830DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 98CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

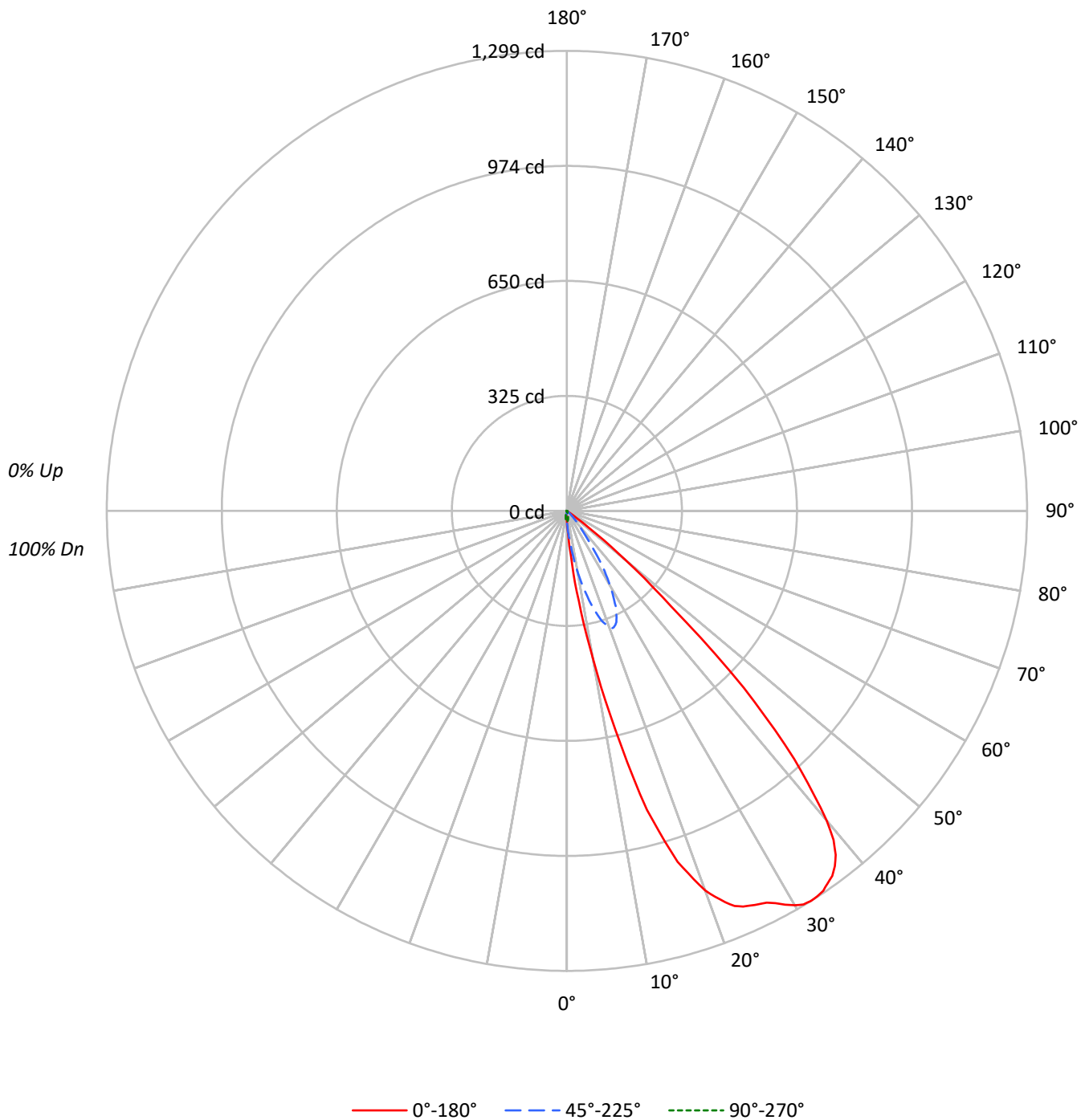
Lumens per Lamp: N/A
Luminaire Lumens: 388.0 lumens
Efficiency: N/A
Efficacy: 53.9 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1316837

CATALOG NUMBER: P3SQAS05R359830DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1316837

CATALOG NUMBER: P3SQAS05R359830DE010 E3SQCA301MB

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99		99	98	96		96	95	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	91	86	81	97	90	85	80	87	83	79		85	81	78		82	79	76	75
4	93	84	77	72	91	82	76	72	80	75	71		78	73	70		76	72	69	67
5	86	76	70	64	85	75	69	64	74	68	63		72	67	63		70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57		66	61	57		65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52		61	55	51		60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47		56	51	46		55	50	46	45
9	66	54	47	43	65	54	47	43	53	47	42		52	46	42		51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5029	5029	5029	5029	5029
5°	21887	13571	4668	1660	1158
10°	73659	30621	3498	385	122
15°	155886	50227	2175	0	0
20°	209007	64183	1026	0	0
25°	233600	63032	209	0	0
30°	255721	48285	0	0	0
35°	269892	26302	0	0	0
40°	256565	11826	0	0	0
45°	172197	5237	0	0	0
50°	57525	509	0	0	0
55°	3123	0	0	0	0
60°	0	0	138	0	0
65°	0	0	285	0	0
70°	0	201	352	0	0
75°	0	266	466	0	0
80°	0	397	694	0	0
85°	0	790	1383	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 172197 cd/sqm

TEST NUMBER: P1316837

CATALOG NUMBER: P3SQAS05R359830DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.3	1.6
10°-20°	53.8	13.9
20°-30°	118.1	30.4
30°-40°	136.6	35.2
40°-50°	67.4	17.4
50°-60°	5.0	1.3
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.2	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°	178.2	45.9
0°-40°	314.9	81.2
0°-60°	387.3	99.8
0°-90°	388.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	388.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	29	29	29	29	29	
5°	127	78	27	10	7	22
15°	874	282	12	0	0	247
25°	1229	332	1	0	0	568
35°	1284	125	0	0	0	793
45°	707	22	0	0	0	519
55°	10	0	0	0	0	42
65°	0	0	1	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1316837

CATALOG NUMBER: P3SQAS05R359830DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
2.5°	58.1	59.6	58.9	58.9	58.5	56.6	53.3	52.2	48.1	38.1	29.6
5°	126.6	127.0	125.9	120.3	115.5	111.0	101.4	97.0	78.5	46.6	27.0
7.5°	256.9	251.3	244.3	236.5	219.5	204.0	183.6	162.1	121.4	54.0	24.1
10°	421.2	413.5	407.5	389.0	358.3	326.5	287.6	252.4	175.1	59.2	20.0
12.5°	633.3	628.9	607.8	570.8	525.2	479.3	411.6	355.7	229.1	60.3	16.3
15°	874.3	866.9	834.7	782.1	720.3	648.1	557.4	463.4	281.7	57.0	12.2
17.5°	1039.0	1034.9	1007.2	952.0	881.0	789.2	681.8	564.5	325.0	50.0	8.5
20°	1140.4	1134.5	1108.6	1062.0	987.6	891.7	764.4	628.9	350.2	41.1	5.6
21°	1166.7	1160.8	1140.1	1091.6	1020.5	917.6	786.9	644.4	355.0	37.0	4.4
22°	1191.5	1185.6	1163.8	1120.8	1050.5	943.1	804.7	656.3	354.2	33.7	3.3
23°	1212.2	1206.0	1184.5	1144.9	1074.2	965.7	818.0	662.2	349.4	30.4	2.6
24°	1223.0	1219.3	1200.0	1162.6	1093.4	981.6	827.3	664.4	343.5	27.0	1.9
25°	1229.3	1224.8	1206.0	1171.5	1106.0	994.2	833.2	662.6	331.7	24.1	1.1
26°	1235.9	1229.3	1207.8	1174.5	1112.7	1000.1	833.6	657.8	319.1	21.5	0.4
27°	1241.9	1235.6	1213.4	1176.7	1113.8	998.3	830.6	648.5	303.9	18.9	0.4
28°	1254.8	1247.8	1222.2	1181.5	1114.9	993.5	821.4	635.9	283.9	16.7	0.0
29°	1271.8	1264.4	1235.2	1193.0	1117.5	988.3	808.8	619.3	266.5	14.8	0.0
30°	1285.9	1279.2	1252.2	1207.4	1124.2	983.5	794.0	596.7	242.8	12.6	0.0
31°	1296.3	1289.6	1264.8	1219.6	1130.1	979.1	775.5	573.4	221.4	11.1	0.0
32°	1298.9	1293.3	1270.0	1224.8	1130.1	972.4	758.4	547.1	200.3	9.3	0.0
33°	1297.8	1292.2	1268.5	1221.1	1120.1	956.5	737.7	515.6	176.2	8.1	0.0
34°	1293.7	1287.0	1261.8	1209.3	1100.5	929.5	707.7	484.2	151.0	6.7	0.0
35°	1283.7	1277.8	1250.4	1187.1	1070.1	888.4	667.8	447.9	125.1	5.6	0.0
36°	1274.1	1265.2	1231.5	1159.7	1030.1	846.2	620.0	406.1	102.9	4.4	0.0
37°	1256.3	1243.7	1209.7	1120.1	973.5	786.6	565.6	360.2	86.2	3.3	0.0
38°	1232.6	1215.6	1172.3	1074.2	916.5	730.7	514.5	318.7	72.5	2.2	0.0
39°	1196.0	1176.0	1117.1	1011.3	850.6	665.9	456.0	274.7	61.8	1.5	0.0
40°	1141.2	1122.3	1057.2	936.5	785.1	594.5	396.1	225.1	52.6	0.7	0.0
42.5°	950.2	924.3	848.8	728.8	580.4	427.5	262.1	125.1	34.8	0.0	0.0
45°	707.0	684.0	610.0	500.8	386.8	261.7	140.3	73.7	21.5	0.0	0.0
47.5°	399.4	396.8	348.7	287.6	215.8	139.2	71.1	44.4	9.3	0.0	0.0
50°	214.7	201.4	173.6	131.8	89.9	60.7	38.5	24.4	1.9	0.0	0.0
52.5°	78.5	75.9	63.7	52.9	40.7	27.8	19.6	10.7	0.0	0.0	0.0
55°	10.4	9.6	10.0	10.7	11.1	9.6	6.3	2.2	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.4	0.7	0.7	0.7	0.0	0.0	0.0	0.4
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7



TEST NUMBER: P1316837

CATALOG NUMBER: P3SQAS05R359830DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	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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CATALOG NUMBER: P3SQAS05R359830DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	29.2	29.2	29.2	29.2
2.5°	22.6	17.4	14.8	14.4
5°	15.5	9.6	7.0	6.7
7.5°	10.7	4.8	3.3	3.0
10°	6.3	2.2	1.1	0.7
12.5°	3.7	0.4	0.0	0.0
15°	1.1	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.4	0.0	0.0	0.0
67.5°	0.4	0.0	0.0	0.0
70°	0.4	0.0	0.0	0.0
72.5°	0.4	0.0	0.0	0.0
75°	0.4	0.0	0.0	0.0
77.5°	0.4	0.0	0.0	0.0
80°	0.4	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.4	0.0	0.0	0.0
85°	0.4	0.0	0.0	0.0
87.5°	0.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)