

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: P1317837

Luminaire Tested: P3SQAS09R259835DE010 E3SQPHL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317837
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R259835DE010 E3SQPHL1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 98CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

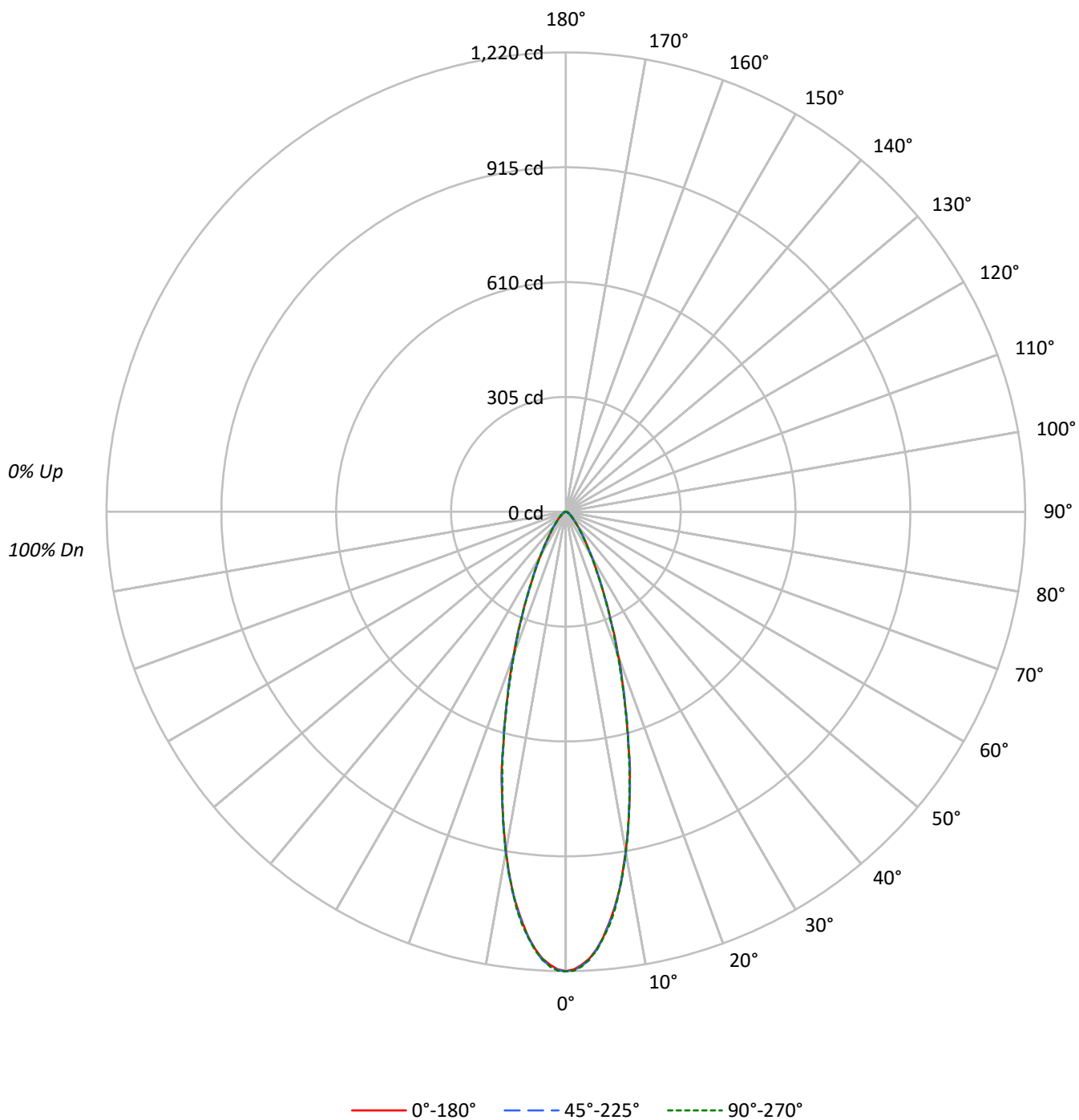
Lumens per Lamp: N/A
Luminaire Lumens: 489.0 lumens
Efficiency: N/A
Efficacy: 44.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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: P1317837

CATALOG NUMBER: P3SQAS09R259835DE010 E3SQPHL1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1317837

CATALOG NUMBER: P3SQAS09R259835DE010 E3SQPHL1MB

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	210181	210181	210181
5°	196185	196375	196479
10°	160015	160522	160522
15°	114289	114913	114289
20°	74795	74062	73017
25°	44466	44694	44466
30°	26787	26787	26668
35°	16315	16441	16315
40°	10387	10522	10522
45°	7234	7234	7234
50°	5198	5359	5359
55°	4114	4114	4294
60°	3341	3548	3548
65°	3016	3016	3016
70°	2568	2568	2870
75°	2262	2262	2662
80°	2281	2281	2281
85°	1186	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7234 cd/sqm

TEST NUMBER: P1317837

CATALOG NUMBER: P3SQAS09R259835DE010 E3SQPHL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.4	20.7
10°-20°	176.8	36.1
20°-30°	111.1	22.7
30°-40°	50.8	10.4
40°-50°	23.7	4.9
50°-60°	12.8	2.6
60°-70°	7.5	1.5
70°-80°	3.9	0.8
80°-90°	0.9	0.2
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°	389.3	79.6
0°-40°	440.2	90.0
0°-60°	476.7	97.5
0°-90°	489.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	489.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1220	1220	1220	1220	1220	
5°	1135	1137	1136	1137	1136	101
15°	641	645	644	646	641	177
25°	234	237	235	235	234	111
35°	78	78	78	78	78	51
45°	30	30	30	30	30	24
55°	14	14	14	14	14	13
65°	7	7	7	7	7	7
75°	3	3	3	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1317837

CATALOG NUMBER: P3SQAS09R259835DE010 E3SQPHL1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1220.4	1220.4	1220.4	1220.4	1220.4
1°	1215.3	1216.4	1217.6	1219.3	1218.7
2°	1203.9	1206.1	1206.7	1209.0	1208.4
3°	1188.4	1187.9	1192.4	1192.4	1189.6
4°	1164.5	1165.6	1166.8	1167.9	1168.5
5°	1134.8	1137.1	1135.9	1137.1	1136.5
6°	1098.3	1101.7	1101.1	1102.3	1104.0
7°	1059.4	1061.7	1061.7	1060.6	1065.1
8°	1017.2	1015.5	1018.3	1017.2	1016.6
9°	967.0	970.4	971.0	968.1	969.3
10°	915.0	917.3	917.9	919.6	917.9
11°	863.6	863.6	864.8	867.6	863.1
12°	807.7	812.8	807.7	810.0	807.7
13°	754.6	755.8	754.6	754.1	750.1
14°	704.4	700.4	701.5	697.0	697.5
15°	641.0	645.0	644.5	645.6	641.0
17.5°	515.4	517.7	517.2	516.0	510.3
20°	408.1	408.1	404.1	401.9	398.4
22.5°	311.7	310.5	308.8	307.1	308.2
25°	234.0	236.9	235.2	235.2	234.0
27.5°	177.0	180.4	177.5	175.8	177.0
30°	134.7	135.9	134.7	134.1	134.1
32.5°	101.6	102.2	101.6	101.6	101.6
35°	77.6	77.6	78.2	78.2	77.6
37.5°	59.9	59.9	59.9	59.9	60.5
40°	46.2	46.8	46.8	46.8	46.8
42.5°	36.5	37.1	37.1	37.1	37.1
45°	29.7	29.7	29.7	29.7	29.7
47.5°	24.0	24.0	24.0	24.0	24.5
50°	19.4	20.0	20.0	20.0	20.0
52.5°	16.6	16.6	16.6	16.6	16.6
55°	13.7	13.7	13.7	14.3	14.3
57.5°	11.4	11.4	12.0	12.0	12.0
60°	9.7	10.3	10.3	10.3	10.3
62.5°	8.6	8.6	9.1	9.1	9.1
65°	7.4	7.4	7.4	7.4	7.4
67.5°	6.3	6.3	6.3	6.3	6.8
70°	5.1	5.1	5.1	5.7	5.7
72.5°	4.6	4.6	4.6	4.6	4.6
75°	3.4	3.4	3.4	4.0	4.0
77.5°	2.9	2.9	2.9	2.9	2.9
80°	2.3	2.3	2.3	2.3	2.3
82.5°	1.1	1.1	1.7	1.7	1.7
85°	0.6	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1317837

CATALOG NUMBER: P3SQAS09R259835DE010 E3SQPHL1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)