

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: P1315810

Luminaire Tested: P3SQAS02R309827DE010 E3SQPHL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315810
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R309827DE010 E3SQPHL1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 98CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

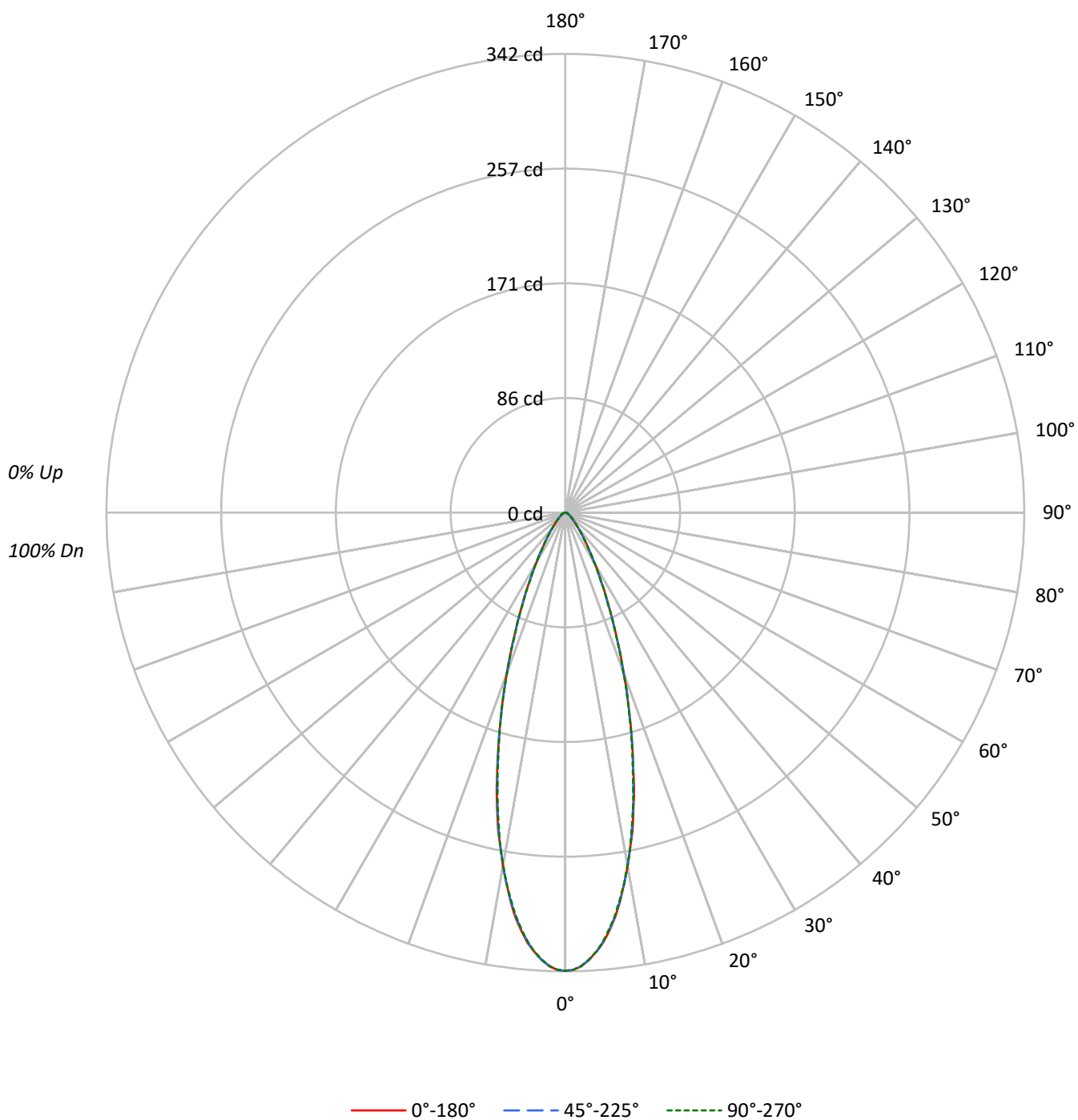
Lumens per Lamp: N/A
Luminaire Lumens: 150.0 lumens
Efficiency: N/A
Efficacy: 41.7 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1315810

CATALOG NUMBER: P3SQAS02R309827DE010 E3SQPHL1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1315810

CATALOG NUMBER: P3SQAS02R309827DE010 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	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	88	84	81		87	83	80		85
5	94	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	65	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	58831	58831	58831
5°	55685	55547	55512
10°	46780	46780	46605
15°	34857	34768	34554
20°	23331	23203	23239
25°	14385	14347	14404
30°	8651	8651	8671
35°	5298	5298	5340
40°	3350	3350	3440
45°	2314	2338	2338
50°	1688	1688	1688
55°	1291	1351	1351
60°	1102	1102	1137
65°	937	937	937
70°	856	906	906
75°	799	799	799
80°	694	694	694
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2338 cd/sqm

TEST NUMBER: P1315810

CATALOG NUMBER: P3SQAS02R309827DE010 E3SQPHL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.0	19.3
10°-20°	53.5	35.6
20°-30°	35.5	23.7
30°-40°	16.4	11.0
40°-50°	7.6	5.1
50°-60°	4.1	2.7
60°-70°	2.4	1.6
70°-80°	1.3	0.8
80°-90°	0.3	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°	118.0	78.6
0°-40°	134.4	89.6
0°-60°	146.1	97.4
0°-90°	150.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	150.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	342	342	342	342	342	
5°	322	322	321	322	321	29
15°	196	196	195	195	194	54
25°	76	76	76	76	76	36
35°	25	25	25	25	25	16
45°	10	10	10	10	10	8
55°	4	4	4	4	4	4
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	

TEST NUMBER: P1315810

CATALOG NUMBER: P3SQAS02R309827DE010 E3SQPHL1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	341.6	341.6	341.6	341.6	341.6
1°	340.9	340.6	340.9	341.4	340.7
2°	338.6	338.2	338.2	338.9	338.2
3°	334.1	334.4	334.2	334.9	333.8
4°	328.4	328.3	328.9	329.3	328.3
5°	322.1	321.5	321.3	322.1	321.1
6°	313.5	313.0	312.7	313.7	312.3
7°	304.2	303.9	303.4	303.7	302.7
8°	292.8	292.6	292.3	292.6	291.4
9°	280.0	280.0	280.6	280.5	279.8
10°	267.5	267.9	267.5	267.9	266.5
11°	253.6	253.6	253.9	253.8	253.9
12°	241.5	240.1	239.8	239.5	238.5
13°	225.9	224.9	224.5	224.9	224.4
14°	211.6	210.9	209.3	209.6	208.9
15°	195.5	196.2	195.0	195.0	193.8
17.5°	159.8	159.2	159.5	159.7	159.2
20°	127.3	127.0	126.6	126.3	126.8
22.5°	98.9	99.1	98.7	98.4	98.1
25°	75.7	75.5	75.5	75.5	75.8
27.5°	57.4	57.4	57.4	57.6	57.6
30°	43.5	43.2	43.5	43.6	43.6
32.5°	32.5	32.9	33.0	33.0	33.0
35°	25.2	25.1	25.2	25.4	25.4
37.5°	19.3	19.3	19.4	19.4	19.6
40°	14.9	14.9	14.9	15.1	15.3
42.5°	11.8	11.8	11.9	11.9	12.1
45°	9.5	9.5	9.6	9.6	9.6
47.5°	7.6	7.6	7.8	7.8	7.8
50°	6.3	6.3	6.3	6.3	6.3
52.5°	5.3	5.1	5.3	5.3	5.3
55°	4.3	4.5	4.5	4.5	4.5
57.5°	3.7	3.8	3.8	3.8	3.8
60°	3.2	3.2	3.2	3.3	3.3
62.5°	2.7	2.8	2.8	2.8	2.8
65°	2.3	2.3	2.3	2.3	2.3
67.5°	2.0	2.0	2.0	2.0	2.2
70°	1.7	1.7	1.8	1.8	1.8
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.2	1.2	1.2	1.2	1.2
77.5°	0.8	0.8	1.0	1.0	0.8
80°	0.7	0.7	0.7	0.7	0.7
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1315810
CATALOG NUMBER: P3SQAS02R309827DE010 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)