

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: P1316688

Luminaire Tested: P3SQAS02R309830DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316688
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: P3SQAS02R309830DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

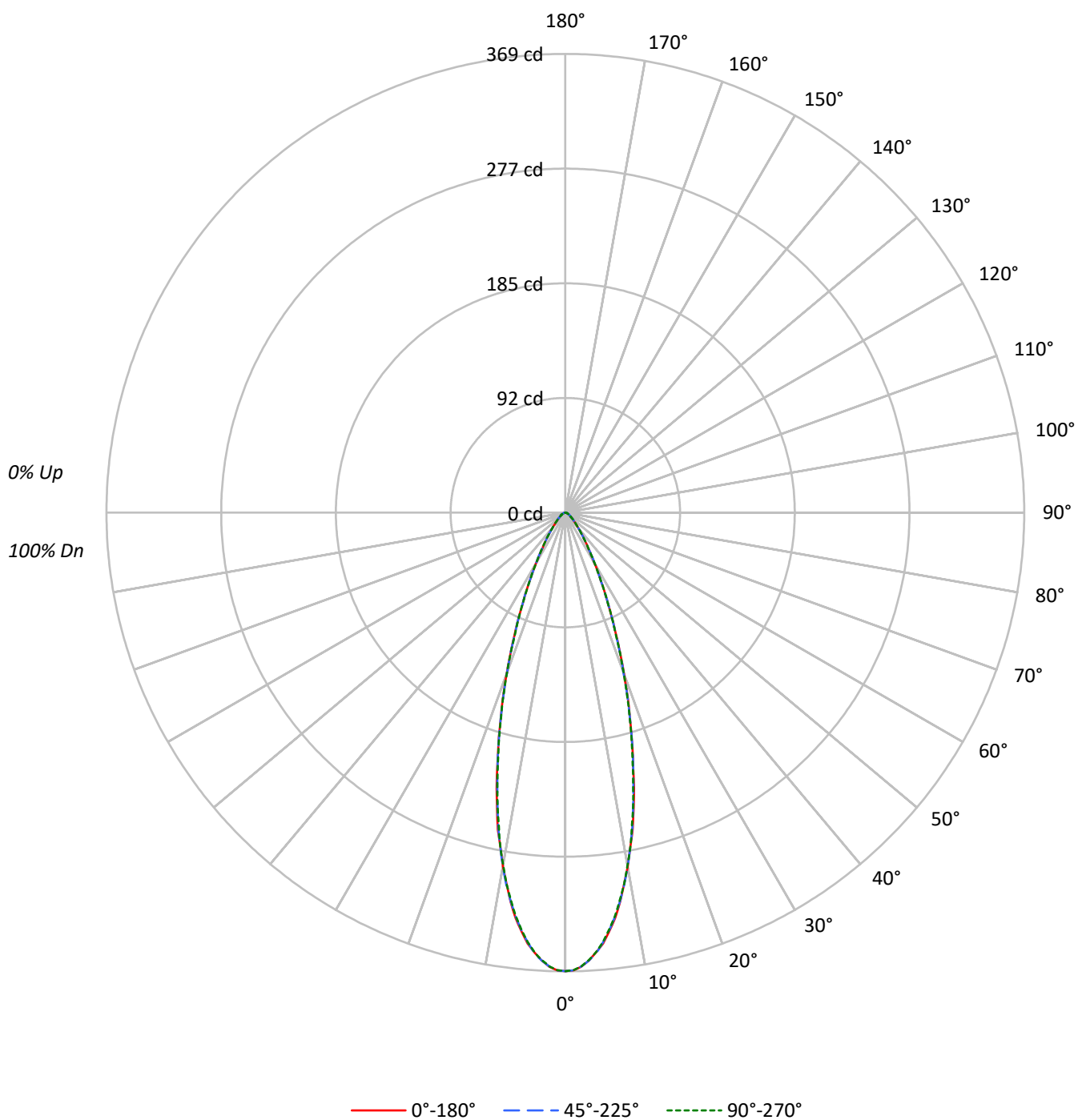
Lumens per Lamp: N/A
Luminaire Lumens: 162.0 lumens
Efficiency: N/A
Efficacy: 45.0 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1316688

CATALOG NUMBER: P3SQAS02R309830DE010 E3SQPHL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1316688

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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	89	84	81		87	83	80		85
5	95	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	66	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°	63533	63533	63533
5°	60145	59990	59955
10°	50523	50523	50348
15°	37639	37550	37336
20°	25200	25072	25090
25°	15525	15506	15563
30°	9347	9347	9367
35°	5719	5719	5761
40°	3620	3620	3710
45°	2484	2533	2533
50°	1822	1822	1822
55°	1411	1441	1441
60°	1171	1171	1240
65°	1019	1019	1019
70°	906	1007	1007
75°	865	865	865
80°	694	694	694
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2533 cd/sqm

TEST NUMBER: P1316688

CATALOG NUMBER: P3SQAS02R309830DE010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.3	19.3
10°-20°	57.7	35.6
20°-30°	38.4	23.7
30°-40°	17.7	11.0
40°-50°	8.2	5.1
50°-60°	4.4	2.7
60°-70°	2.6	1.6
70°-80°	1.4	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°	127.4	78.6
0°-40°	145.1	89.6
0°-60°	157.7	97.4
0°-90°	162.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	162.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	369	369	369	369	369	
5°	348	347	347	348	347	31
15°	211	212	211	211	209	58
25°	82	82	82	82	82	38
35°	27	27	27	27	27	18
45°	10	10	10	10	10	8
55°	5	5	5	5	5	4
65°	2	2	2	2	2	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1316688

CATALOG NUMBER: P3SQAS02R309830DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	368.9	368.9	368.9	368.9	368.9
1°	368.2	367.8	368.2	368.7	368.0
2°	365.6	365.3	365.3	366.0	365.3
3°	360.8	361.2	361.0	361.7	360.5
4°	354.7	354.5	355.3	355.6	354.5
5°	347.9	347.2	347.0	347.9	346.8
6°	338.6	338.0	337.7	338.8	337.3
7°	328.5	328.2	327.6	328.0	326.9
8°	316.2	316.0	315.6	316.0	314.7
9°	302.4	302.4	303.1	302.9	302.2
10°	288.9	289.3	288.9	289.3	287.9
11°	273.9	273.9	274.2	274.1	274.2
12°	260.8	259.4	259.0	258.6	257.6
13°	243.9	242.9	242.5	242.9	242.3
14°	228.5	227.8	226.0	226.4	225.7
15°	211.1	211.9	210.6	210.6	209.4
17.5°	172.6	171.9	172.2	172.4	171.9
20°	137.5	137.1	136.8	136.4	136.9
22.5°	106.8	107.0	106.6	106.3	105.9
25°	81.7	81.6	81.6	81.6	81.9
27.5°	62.0	62.0	62.0	62.2	62.2
30°	47.0	46.6	47.0	47.1	47.1
32.5°	35.1	35.5	35.7	35.7	35.7
35°	27.2	27.1	27.2	27.4	27.4
37.5°	20.8	20.8	21.0	21.0	21.2
40°	16.1	16.1	16.1	16.3	16.5
42.5°	12.7	12.7	12.9	12.9	13.1
45°	10.2	10.2	10.4	10.4	10.4
47.5°	8.2	8.2	8.4	8.4	8.4
50°	6.8	6.8	6.8	6.8	6.8
52.5°	5.7	5.6	5.7	5.7	5.7
55°	4.7	4.8	4.8	4.8	4.8
57.5°	3.9	4.1	4.1	4.1	4.1
60°	3.4	3.4	3.4	3.6	3.6
62.5°	2.9	3.0	3.0	3.0	3.0
65°	2.5	2.5	2.5	2.5	2.5
67.5°	2.2	2.2	2.2	2.2	2.3
70°	1.8	1.8	2.0	2.0	2.0
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.3	1.3	1.3	1.3	1.3
77.5°	0.9	0.9	1.1	1.1	0.9
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: P1316688

CATALOG NUMBER: P3SQAS02R309830DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)