

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: P1315941

Luminaire Tested: P3SQAS05R259827DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315941
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: P3SQAS05R259827DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

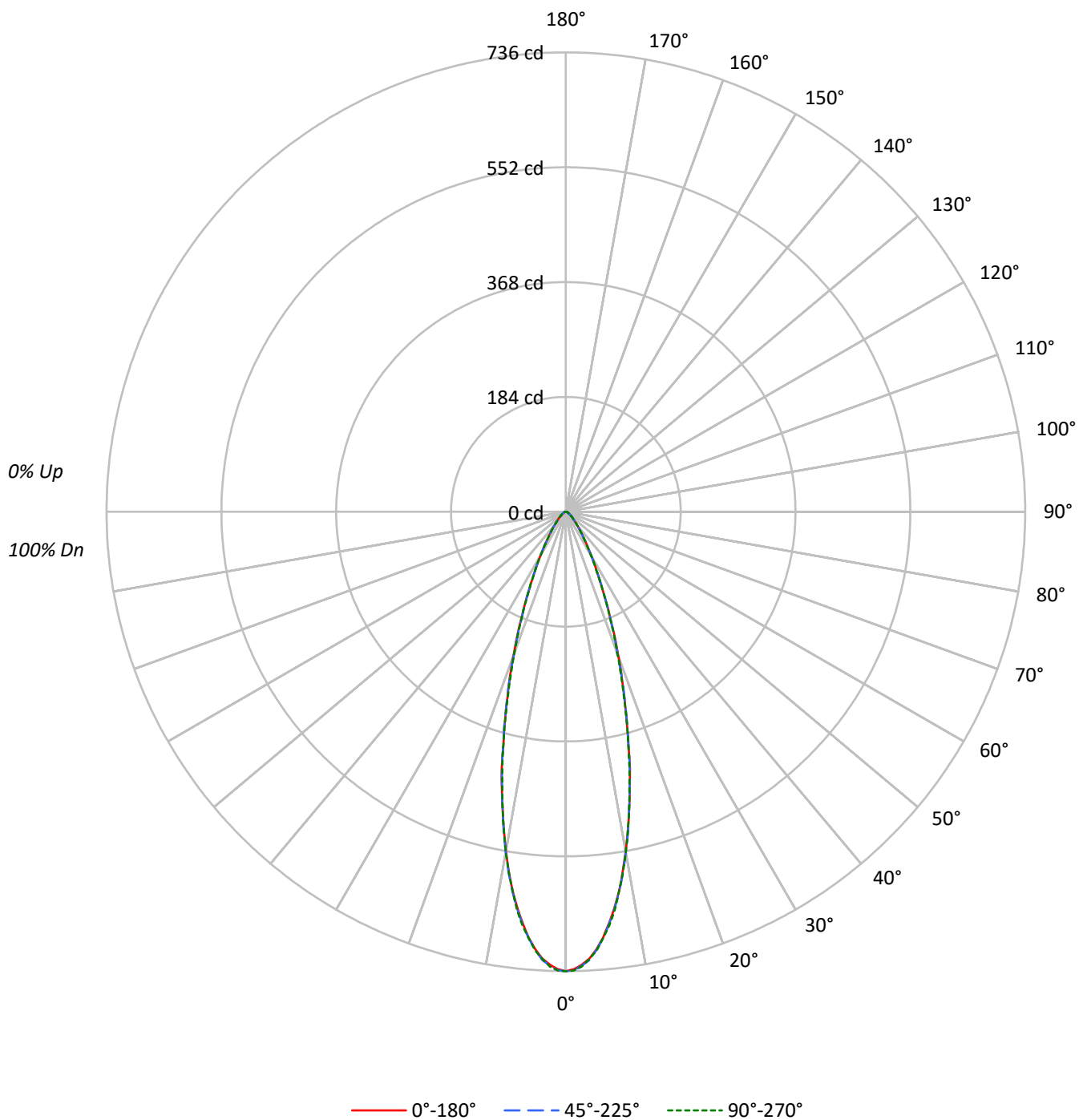
Lumens per Lamp: N/A
Luminaire Lumens: 295.0 lumens
Efficiency: N/A
Efficacy: 41.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1315941

CATALOG NUMBER: P3SQAS05R259827DE010 E3SQPHL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315941

CATALOG NUMBER: P3SQAS05R259827DE010 E3SQPHL1MW

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°	126790	126790	126790
5°	118354	118475	118527
10°	96533	96831	96831
15°	68948	69322	68948
20°	45122	44683	44059
25°	26832	26965	26832
30°	16168	16168	16088
35°	9839	9924	9839
40°	6272	6340	6340
45°	4360	4360	4360
50°	3135	3242	3242
55°	2492	2492	2582
60°	2032	2136	2136
65°	1834	1834	1834
70°	1561	1561	1712
75°	1397	1397	1597
80°	1389	1389	1389
85°	593	593	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4360 cd/sqm

TEST NUMBER: P1315941

CATALOG NUMBER: P3SQAS05R259827DE010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.2	20.7
10°-20°	106.6	36.1
20°-30°	67.0	22.7
30°-40°	30.7	10.4
40°-50°	14.3	4.9
50°-60°	7.7	2.6
60°-70°	4.6	1.5
70°-80°	2.4	0.8
80°-90°	0.5	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°	234.9	79.6
0°-40°	265.5	90.0
0°-60°	287.6	97.5
0°-90°	295.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	295.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	736	736	736	736	736	
5°	685	686	685	686	686	61
15°	387	389	389	390	387	107
25°	141	143	142	142	141	67
35°	47	47	47	47	47	31
45°	18	18	18	18	18	14
55°	8	8	8	9	9	8
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1315941

CATALOG NUMBER: P3SQAS05R259827DE010 E3SQPHL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	736.2	736.2	736.2	736.2	736.2
1°	733.1	733.8	734.5	735.6	735.2
2°	726.3	727.6	728.0	729.4	729.0
3°	717.0	716.6	719.4	719.4	717.6
4°	702.5	703.2	703.9	704.6	704.9
5°	684.6	686.0	685.3	686.0	685.6
6°	662.5	664.6	664.3	665.0	666.0
7°	639.1	640.5	640.5	639.8	642.6
8°	613.6	612.6	614.3	613.6	613.3
9°	583.3	585.4	585.8	584.0	584.7
10°	552.0	553.4	553.7	554.8	553.7
11°	521.0	521.0	521.7	523.4	520.7
12°	487.3	490.4	487.3	488.6	487.3
13°	455.2	455.9	455.2	454.9	452.5
14°	424.9	422.5	423.2	420.5	420.8
15°	386.7	389.1	388.8	389.5	386.7
17.5°	311.0	312.3	312.0	311.3	307.9
20°	246.2	246.2	243.8	242.4	240.4
22.5°	188.0	187.3	186.3	185.3	186.0
25°	141.2	142.9	141.9	141.9	141.2
27.5°	106.8	108.8	107.1	106.1	106.8
30°	81.3	82.0	81.3	80.9	80.9
32.5°	61.3	61.6	61.3	61.3	61.3
35°	46.8	46.8	47.2	47.2	46.8
37.5°	36.2	36.2	36.2	36.2	36.5
40°	27.9	28.2	28.2	28.2	28.2
42.5°	22.0	22.4	22.4	22.4	22.4
45°	17.9	17.9	17.9	17.9	17.9
47.5°	14.5	14.5	14.5	14.5	14.8
50°	11.7	12.1	12.1	12.1	12.1
52.5°	10.0	10.0	10.0	10.0	10.0
55°	8.3	8.3	8.3	8.6	8.6
57.5°	6.9	6.9	7.2	7.2	7.2
60°	5.9	6.2	6.2	6.2	6.2
62.5°	5.2	5.2	5.5	5.5	5.5
65°	4.5	4.5	4.5	4.5	4.5
67.5°	3.8	3.8	3.8	3.8	4.1
70°	3.1	3.1	3.1	3.4	3.4
72.5°	2.8	2.8	2.8	2.8	2.8
75°	2.1	2.1	2.1	2.4	2.4
77.5°	1.7	1.7	1.7	1.7	1.7
80°	1.4	1.4	1.4	1.4	1.4
82.5°	0.7	0.7	1.0	1.0	1.0
85°	0.3	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1315941

CATALOG NUMBER: P3SQAS05R259827DE010 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)