

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: P1310235

Luminaire Tested: P3SQAS13R259040DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310235
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: P3SQAS13R259040DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

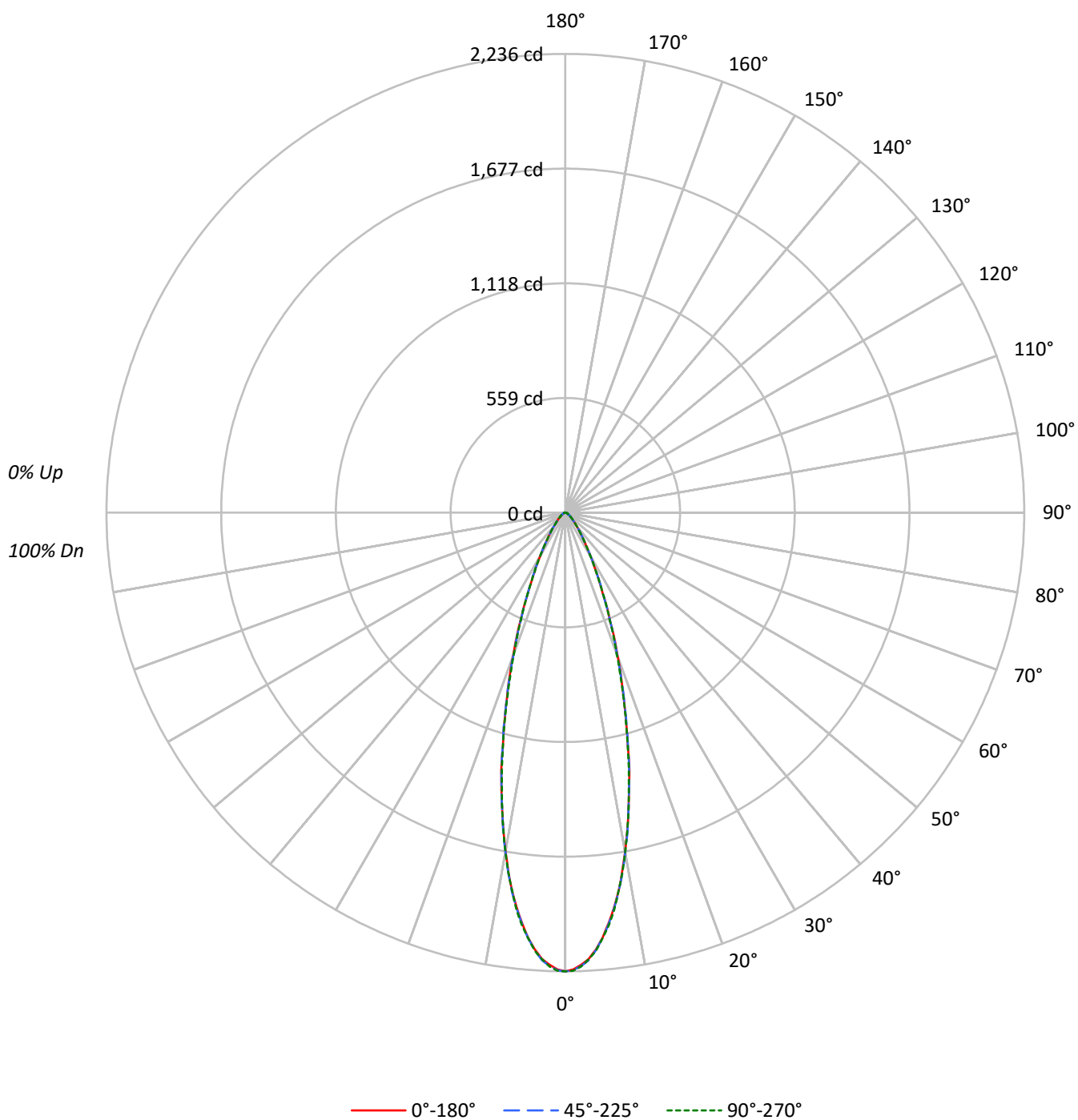
Lumens per Lamp: N/A
Luminaire Lumens: 896.0 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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

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Luminous Intensity Polar Plot



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73		79	76	73		78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75	71	69	67
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72	68	66	64
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	385124	385124	385124
5°	359470	359833	360006
10°	293203	294112	294112
15°	209429	210534	209429
20°	137053	135716	133809
25°	81483	81882	81483
30°	49080	49080	48881
35°	29897	30128	29897
40°	19042	19290	19290
45°	13250	13250	13250
50°	9538	9806	9806
55°	7537	7537	7837
60°	6131	6476	6476
65°	5542	5542	5542
70°	4733	4733	5287
75°	4192	4192	4858
80°	4166	4166	4166
85°	1976	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13250 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.8	20.7
10°-20°	323.9	36.2
20°-30°	203.6	22.7
30°-40°	93.1	10.4
40°-50°	43.5	4.9
50°-60°	23.4	2.6
60°-70°	13.8	1.5
70°-80°	7.2	0.8
80°-90°	1.6	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°	713.4	79.6
0°-40°	806.5	90.0
0°-60°	873.4	97.5
0°-90°	896.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	896.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2236	2236	2236	2236	2236	
5°	2079	2084	2081	2084	2082	185
15°	1175	1182	1181	1183	1175	324
25°	429	434	431	431	429	204
35°	142	142	143	143	142	93
45°	54	54	54	54	54	43
55°	25	25	25	26	26	23
65°	14	14	14	14	14	13
75°	6	6	6	7	7	7
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2236.2	2236.2	2236.2	2236.2	2236.2
1°	2226.8	2228.9	2230.9	2234.1	2233.0
2°	2205.8	2210.0	2211.1	2215.3	2214.2
3°	2177.6	2176.6	2184.9	2184.9	2179.7
4°	2133.7	2135.8	2137.9	2139.9	2141.0
5°	2079.3	2083.5	2081.4	2083.5	2082.4
6°	2012.3	2018.6	2017.6	2019.7	2022.8
7°	1941.2	1945.4	1945.4	1943.3	1951.7
8°	1863.8	1860.7	1865.9	1863.8	1862.8
9°	1771.8	1778.1	1779.1	1773.9	1776.0
10°	1676.6	1680.8	1681.8	1685.0	1681.8
11°	1582.5	1582.5	1584.6	1589.8	1581.4
12°	1480.0	1489.4	1480.0	1484.2	1480.0
13°	1382.7	1384.8	1382.7	1381.7	1374.3
14°	1290.7	1283.3	1285.4	1277.1	1278.1
15°	1174.6	1181.9	1180.8	1182.9	1174.6
17.5°	944.5	948.6	947.6	945.5	935.1
20°	747.8	747.8	740.5	736.3	730.1
22.5°	571.1	569.0	565.8	562.7	564.8
25°	428.8	434.1	430.9	430.9	428.8
27.5°	324.2	330.5	325.3	322.1	324.2
30°	246.8	248.9	246.8	245.8	245.8
32.5°	186.2	187.2	186.2	186.2	186.2
35°	142.2	142.2	143.3	143.3	142.2
37.5°	109.8	109.8	109.8	109.8	110.9
40°	84.7	85.8	85.8	85.8	85.8
42.5°	66.9	68.0	68.0	68.0	68.0
45°	54.4	54.4	54.4	54.4	54.4
47.5°	43.9	43.9	43.9	43.9	45.0
50°	35.6	36.6	36.6	36.6	36.6
52.5°	30.3	30.3	30.3	30.3	30.3
55°	25.1	25.1	25.1	26.1	26.1
57.5°	20.9	20.9	22.0	22.0	22.0
60°	17.8	18.8	18.8	18.8	18.8
62.5°	15.7	15.7	16.7	16.7	16.7
65°	13.6	13.6	13.6	13.6	13.6
67.5°	11.5	11.5	11.5	11.5	12.6
70°	9.4	9.4	9.4	10.5	10.5
72.5°	8.4	8.4	8.4	8.4	8.4
75°	6.3	6.3	6.3	7.3	7.3
77.5°	5.2	5.2	5.2	5.2	5.2
80°	4.2	4.2	4.2	4.2	4.2
82.5°	2.1	2.1	3.1	3.1	3.1
85°	1.0	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)