

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: P1316379

Luminaire Tested: P3SQAS17R259827DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316379
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: P3SQAS17R259827DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

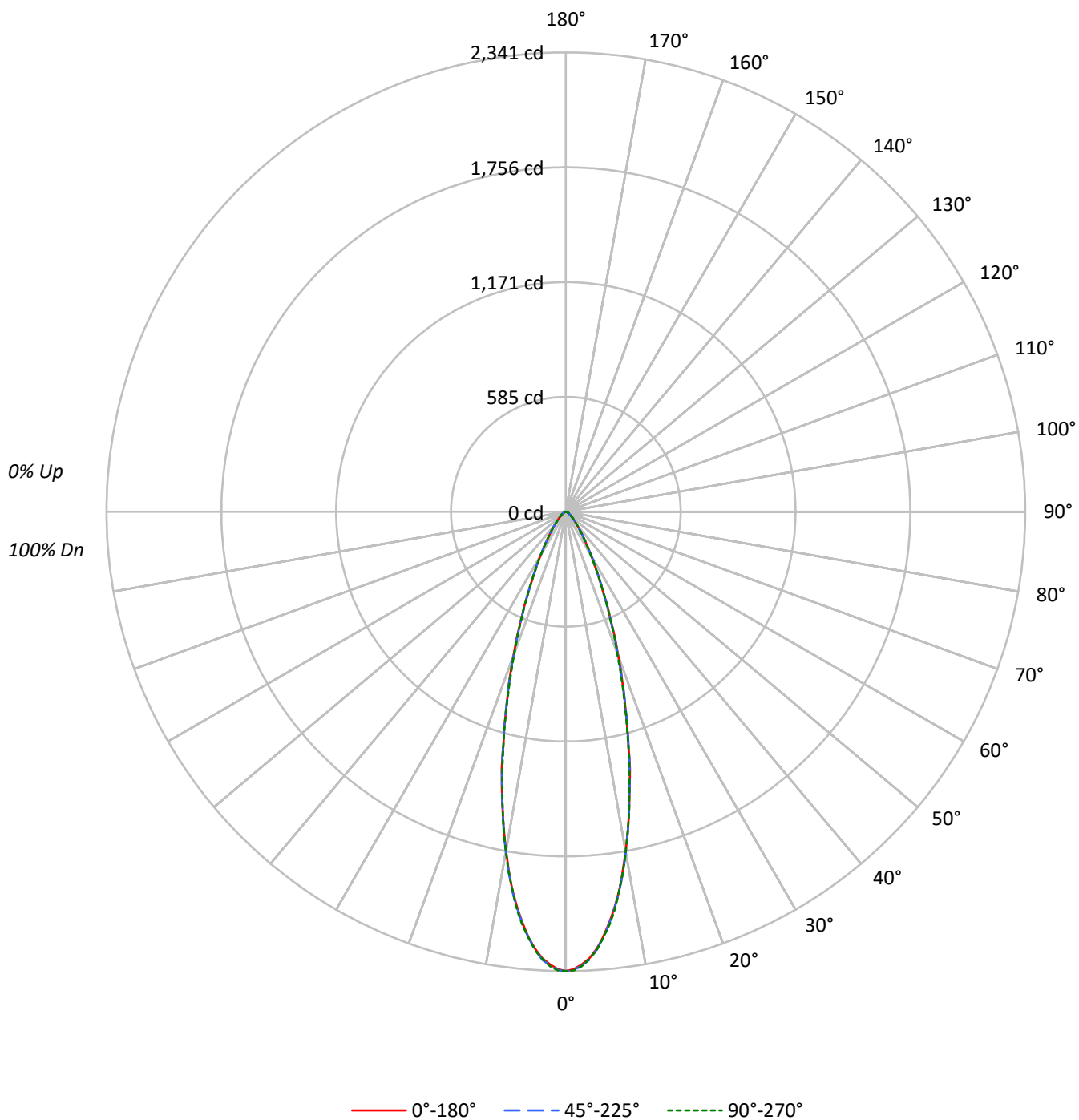
Lumens per Lamp: N/A
Luminaire Lumens: 938.0 lumens
Efficiency: N/A
Efficacy: 46.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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
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°	403173	403173	403173
5°	376326	376689	376879
10°	306948	307910	307910
15°	219235	220412	219235
20°	143486	142075	140077
25°	85303	85721	85303
30°	51387	51387	51168
35°	31305	31537	31305
40°	19942	20189	20189
45°	13859	13859	13859
50°	9967	10262	10262
55°	7897	7897	8227
60°	6407	6786	6786
65°	5787	5787	5787
70°	4985	4985	5489
75°	4392	4392	5124
80°	4364	4364	4364
85°	2174	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13859 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.5	20.7
10°-20°	339.1	36.1
20°-30°	213.2	22.7
30°-40°	97.5	10.4
40°-50°	45.5	4.9
50°-60°	24.5	2.6
60°-70°	14.4	1.5
70°-80°	7.6	0.8
80°-90°	1.7	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°	746.8	79.6
0°-40°	844.3	90.0
0°-60°	914.4	97.5
0°-90°	938.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	938.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2341	2341	2341	2341	2341	
5°	2177	2181	2179	2181	2180	194
15°	1230	1237	1236	1238	1230	339
25°	449	454	451	451	449	214
35°	149	149	150	150	149	97
45°	57	57	57	57	57	45
55°	26	26	26	27	27	24
65°	14	14	14	14	14	14
75°	7	7	7	8	8	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°	2341.0	2341.0	2341.0	2341.0	2341.0
1°	2331.1	2333.3	2335.5	2338.8	2337.7
2°	2309.2	2313.6	2314.7	2319.1	2318.0
3°	2279.7	2278.6	2287.3	2287.3	2281.9
4°	2233.7	2235.9	2238.1	2240.3	2241.4
5°	2176.8	2181.1	2178.9	2181.1	2180.0
6°	2106.7	2113.2	2112.1	2114.3	2117.6
7°	2032.2	2036.6	2036.6	2034.4	2043.2
8°	1951.2	1947.9	1953.4	1951.2	1950.1
9°	1854.8	1861.4	1862.5	1857.0	1859.2
10°	1755.2	1759.6	1760.7	1764.0	1760.7
11°	1656.7	1656.7	1658.8	1664.3	1655.6
12°	1549.3	1559.2	1549.3	1553.7	1549.3
13°	1447.5	1449.7	1447.5	1446.4	1438.8
14°	1351.2	1343.5	1345.7	1336.9	1338.0
15°	1229.6	1237.3	1236.2	1238.4	1229.6
17.5°	988.7	993.1	992.0	989.8	978.9
20°	782.9	782.9	775.2	770.8	764.3
22.5°	597.8	595.6	592.4	589.1	591.3
25°	448.9	454.4	451.1	451.1	448.9
27.5°	339.4	346.0	340.5	337.2	339.4
30°	258.4	260.6	258.4	257.3	257.3
32.5°	194.9	196.0	194.9	194.9	194.9
35°	148.9	148.9	150.0	150.0	148.9
37.5°	115.0	115.0	115.0	115.0	116.1
40°	88.7	89.8	89.8	89.8	89.8
42.5°	70.1	71.2	71.2	71.2	71.2
45°	56.9	56.9	56.9	56.9	56.9
47.5°	46.0	46.0	46.0	46.0	47.1
50°	37.2	38.3	38.3	38.3	38.3
52.5°	31.8	31.8	31.8	31.8	31.8
55°	26.3	26.3	26.3	27.4	27.4
57.5°	21.9	21.9	23.0	23.0	23.0
60°	18.6	19.7	19.7	19.7	19.7
62.5°	16.4	16.4	17.5	17.5	17.5
65°	14.2	14.2	14.2	14.2	14.2
67.5°	12.0	12.0	12.0	12.0	13.1
70°	9.9	9.9	9.9	10.9	10.9
72.5°	8.8	8.8	8.8	8.8	8.8
75°	6.6	6.6	6.6	7.7	7.7
77.5°	5.5	5.5	5.5	5.5	5.5
80°	4.4	4.4	4.4	4.4	4.4
82.5°	2.2	2.2	3.3	3.3	3.3
85°	1.1	1.1	1.1	1.1	1.1
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)