

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: P1311669

Luminaire Tested: P3SQAS20R459050D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311669
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R459050D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 5000K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

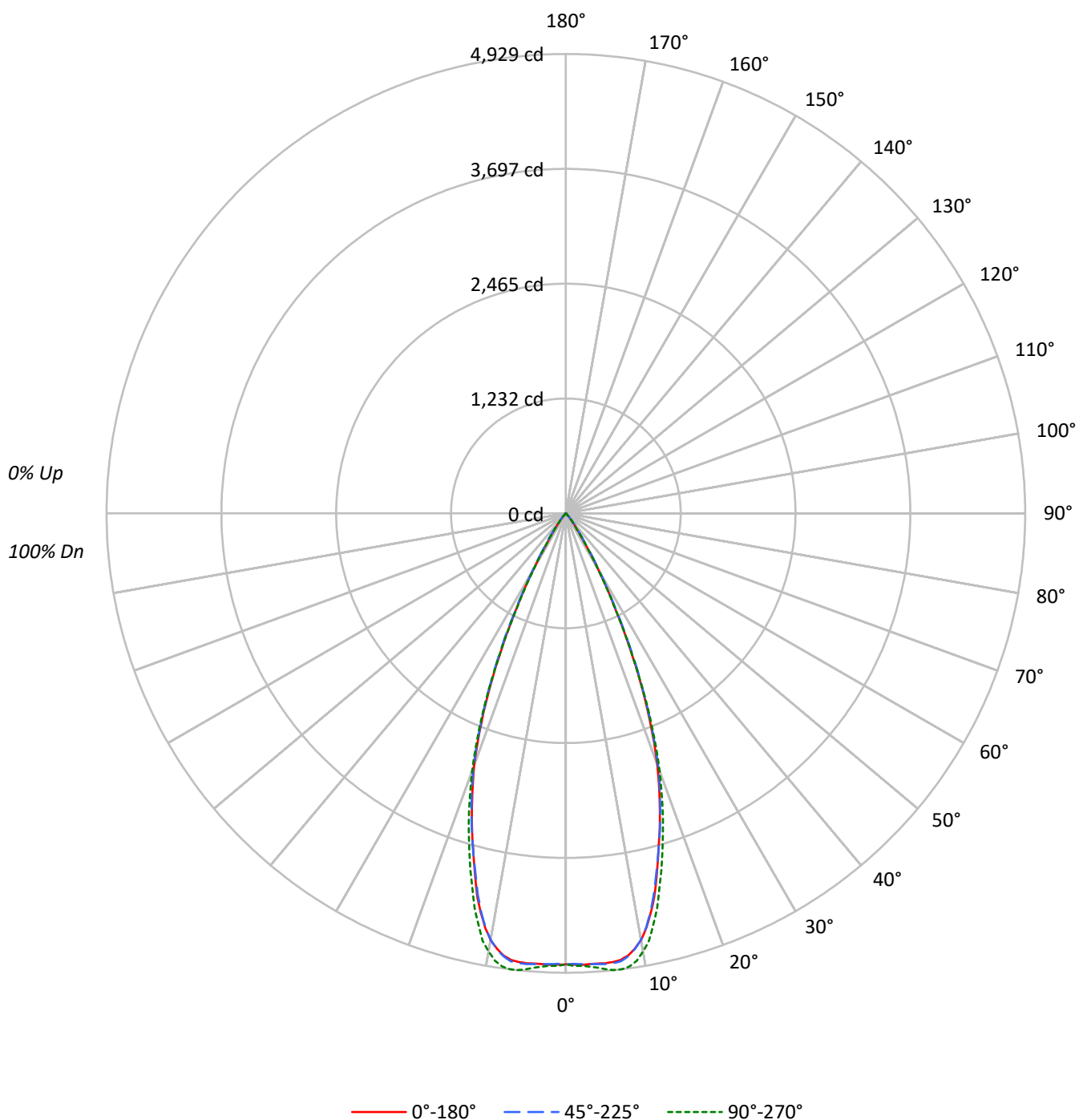
Lumens per Lamp: N/A
Luminaire Lumens: 2504.9 lumens
Efficiency: N/A
Efficacy: 87.0 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	96	93	91		94	91	89		92
4	101	95	91	87	100	94	90	87	92	88	86		90	87	85		88
5	98	91	86	82	96	90	85	82	88	84	81		87	83	81		85
6	94	86	82	78	93	86	81	78	84	80	77		83	79	77		82
7	90	83	78	74	89	82	77	74	81	77	74		80	76	73		79
8	87	79	74	71	86	79	74	71	78	73	70		77	73	70		76
9	84	76	71	68	83	75	71	68	75	70	67		74	70	67		73
10	81	73	68	65	80	72	68	65	72	67	65		71	67	64		70

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	833558	833558	833558
5°	837692	839300	848878
10°	812840	812193	834787
15°	681223	680884	705917
20°	526606	532030	539471
25°	322836	329506	323539
30°	138450	144695	134035
35°	43479	52414	42322
40°	14951	19087	14523
45°	2704	8086	2241
50°	1474	2974	1474
55°	1651	1651	1651
60°	1274	1274	1274
65°	1508	1508	1508
70°	906	906	906
75°	1198	1198	1198
80°	1785	1785	1785
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 8086 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	460.0	18.4
10°-20°	1062.9	42.4
20°-30°	778.3	31.1
30°-40°	171.9	6.9
40°-50°	21.1	0.8
50°-60°	4.9	0.2
60°-70°	3.5	0.1
70°-80°	2.0	0.1
80°-90°	0.2	0.0
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°	2301.2	91.9
0°-40°	2473.2	98.7
0°-60°	2499.2	99.8
0°-90°	2504.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2504.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4840	4840	4840	4840	4840	
5°	4846	4842	4855	4890	4910	458
15°	3821	3800	3819	3911	3959	1054
25°	1699	1697	1734	1721	1703	769
35°	207	218	249	218	201	163
45°	11	18	33	18	9	15
55°	6	6	6	6	6	5
65°	4	4	4	4	4	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4840.0	4840.0	4840.0	4840.0	4840.0
1°	4843.7	4836.3	4834.5	4847.4	4856.6
2°	4847.4	4838.2	4840.0	4852.9	4858.5
3°	4843.7	4834.5	4843.7	4862.2	4869.5
4°	4841.8	4838.2	4847.4	4873.2	4886.2
5°	4845.5	4841.8	4854.8	4889.9	4910.2
6°	4840.0	4834.5	4852.9	4897.2	4926.8
7°	4827.1	4821.5	4841.8	4895.4	4928.6
8°	4792.0	4780.9	4801.2	4867.7	4908.3
9°	4729.2	4714.4	4734.7	4812.3	4860.3
10°	4648.0	4631.3	4644.3	4720.0	4773.5
11°	4531.6	4509.5	4524.2	4605.5	4675.7
12°	4383.9	4352.5	4371.0	4463.3	4513.1
13°	4223.2	4193.7	4197.4	4280.5	4350.6
14°	4023.8	3985.0	4001.6	4088.4	4143.8
15°	3820.7	3800.4	3818.8	3911.2	3959.2
17.5°	3355.3	3353.5	3370.1	3438.4	3464.3
20°	2873.3	2878.9	2902.9	2939.8	2943.5
22.5°	2302.7	2304.6	2330.4	2356.3	2350.8
25°	1698.9	1697.0	1734.0	1721.1	1702.6
27.5°	1126.4	1133.8	1167.1	1143.1	1124.6
30°	696.2	711.0	727.6	698.0	674.0
32.5°	376.7	400.7	424.7	398.9	374.9
35°	206.8	217.9	249.3	217.9	201.3
37.5°	120.0	125.6	145.9	125.6	114.5
40°	66.5	75.7	84.9	75.7	64.6
42.5°	27.7	42.5	51.7	42.5	27.7
45°	11.1	18.5	33.2	18.5	9.2
47.5°	5.5	7.4	20.3	7.4	5.5
50°	5.5	5.5	11.1	5.5	5.5
52.5°	5.5	5.5	5.5	5.5	5.5
55°	5.5	5.5	5.5	5.5	5.5
57.5°	5.5	5.5	5.5	5.5	5.5
60°	3.7	3.7	3.7	5.5	3.7
62.5°	3.7	3.7	3.7	3.7	3.7
65°	3.7	3.7	3.7	3.7	3.7
67.5°	3.7	3.7	3.7	3.7	3.7
70°	1.8	1.8	1.8	3.7	1.8
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)