

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: P1306844

Luminaire Tested: P3SQAS13R159027DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R159027DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

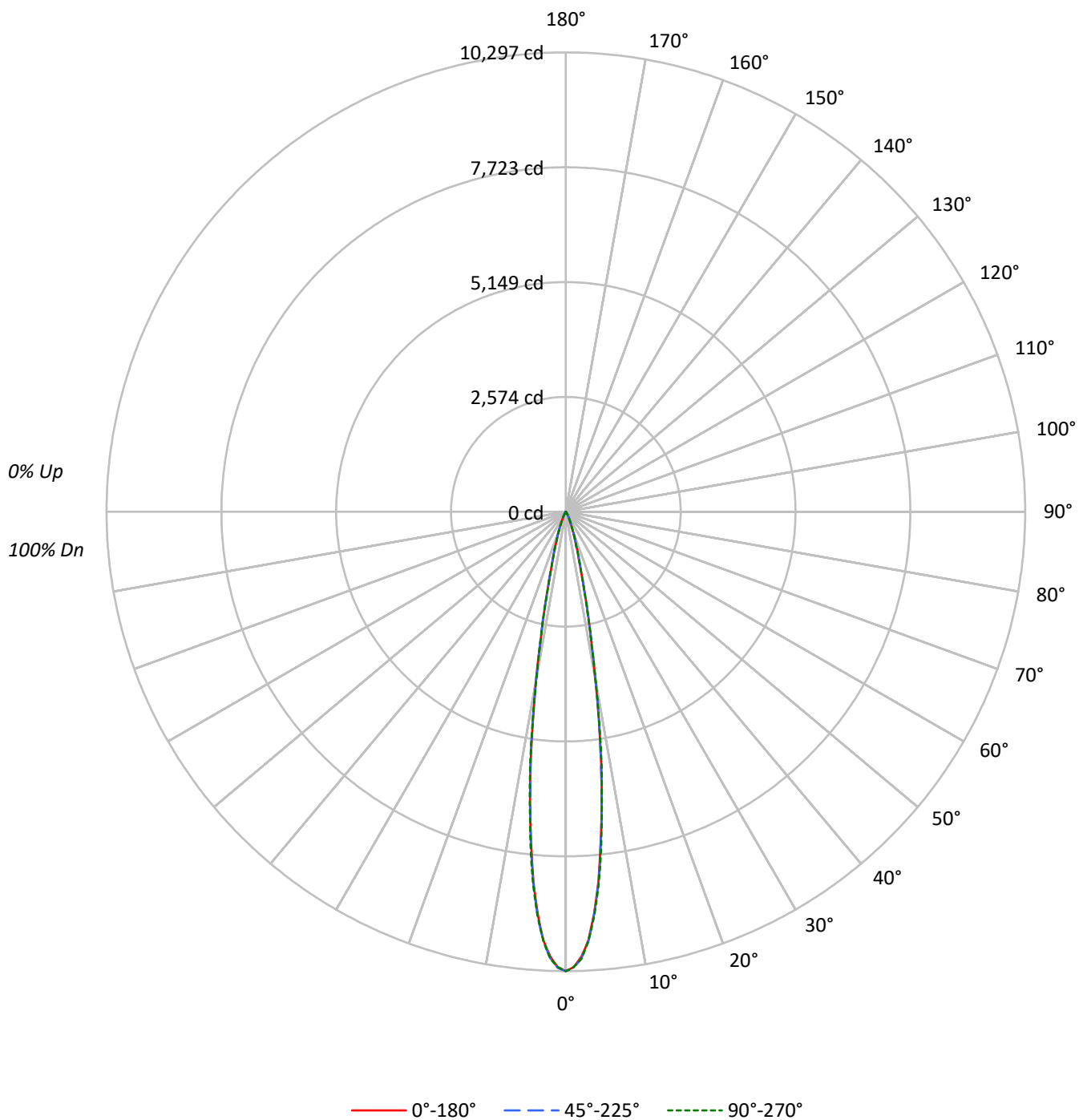
Lumens per Lamp: N/A
Luminaire Lumens: 1156.0 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	116	114	112	111	113	112	110	109	108	107	105		104	103	102		101
2	112	109	107	105	110	108	105	103	105	103	101		102	100	99		99
3	110	106	103	100	108	104	102	99	102	100	98		100	98	96		98
4	107	102	99	97	106	101	98	96	100	97	95		98	96	94		96
5	105	100	96	94	103	99	96	93	97	95	93		96	94	92		95
6	102	97	94	91	101	97	93	91	95	92	90		94	92	90		93
7	100	95	92	89	99	94	91	89	93	91	89		92	90	88		92
8	98	93	90	87	98	93	89	87	92	89	87		91	88	87		90
9	97	91	88	86	96	91	88	85	90	87	85		89	87	85		89
10	95	89	86	84	94	89	86	84	89	86	84		88	85	84		87

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1773445	1773445	1773445
5°	1442065	1447079	1452110
10°	671590	672219	668564
15°	207788	215241	211194
20°	82841	87496	81851
25°	34661	40875	32951
30°	14080	18773	13006
35°	4583	8578	4205
40°	1641	3462	1641
45°	658	1096	658
50°	482	723	482
55°	540	540	540
60°	620	620	620
65°	367	367	367
70°	453	453	453
75°	599	599	599
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1096 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	644.6	55.8
10°-20°	385.4	33.3
20°-30°	98.1	8.5
30°-40°	21.3	1.8
40°-50°	3.4	0.3
50°-60°	1.6	0.1
60°-70°	1.0	0.1
70°-80°	0.6	0.1
80°-90°	0.0	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°	1128.0	97.6
0°-40°	1149.3	99.4
0°-60°	1154.4	99.9
0°-90°	1156.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1156.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10297	10297	10297	10297	10297	
5°	8341	8353	8370	8332	8400	643
15°	1165	1198	1207	1190	1184	384
25°	182	195	215	191	173	93
35°	22	28	41	27	20	17
45°	3	4	4	4	3	3
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
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°	10297.4	10297.4	10297.4	10297.4	10297.4
1°	10207.5	10224.7	10227.5	10224.7	10210.2
2°	9977.9	10028.7	10017.8	9996.0	10026.9
3°	9623.0	9648.4	9644.8	9646.6	9639.3
4°	9045.7	9090.2	9064.8	9083.8	9085.6
5°	8341.4	8353.2	8370.4	8332.3	8399.5
6°	7474.5	7549.9	7483.6	7549.0	7575.3
7°	6593.2	6636.8	6552.4	6597.8	6625.0
8°	5691.9	5615.7	5662.0	5662.9	5752.7
9°	4718.9	4734.3	4773.4	4728.9	4767.9
10°	3840.3	3875.7	3843.9	3828.5	3823.0
11°	3032.5	3072.4	3069.7	3074.2	3044.3
12°	2439.8	2418.9	2432.5	2388.0	2408.0
13°	1898.8	1899.7	1888.8	1870.7	1854.3
14°	1487.6	1478.6	1504.0	1481.3	1460.4
15°	1165.4	1198.1	1207.2	1189.9	1184.5
17.5°	718.9	719.8	732.5	716.1	714.3
20°	452.0	462.9	477.4	460.2	446.6
22.5°	285.9	295.9	318.6	296.8	277.7
25°	182.4	195.1	215.1	190.6	173.4
27.5°	114.4	126.2	145.2	122.5	109.8
30°	70.8	79.0	94.4	77.2	65.4
32.5°	40.8	49.0	61.7	46.3	39.0
35°	21.8	28.1	40.8	27.2	20.0
37.5°	12.7	16.3	26.3	14.5	11.8
40°	7.3	10.0	15.4	9.1	7.3
42.5°	4.5	6.4	7.3	5.4	3.6
45°	2.7	3.6	4.5	3.6	2.7
47.5°	1.8	2.7	3.6	1.8	1.8
50°	1.8	1.8	2.7	1.8	1.8
52.5°	1.8	1.8	1.8	1.8	1.8
55°	1.8	1.8	1.8	1.8	1.8
57.5°	1.8	1.8	1.8	1.8	1.8
60°	1.8	1.8	1.8	1.8	1.8
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
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)