

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: P1314428

Luminaire Tested: P3SQAS13R459735DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314428
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: P3SQAS13R459735DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

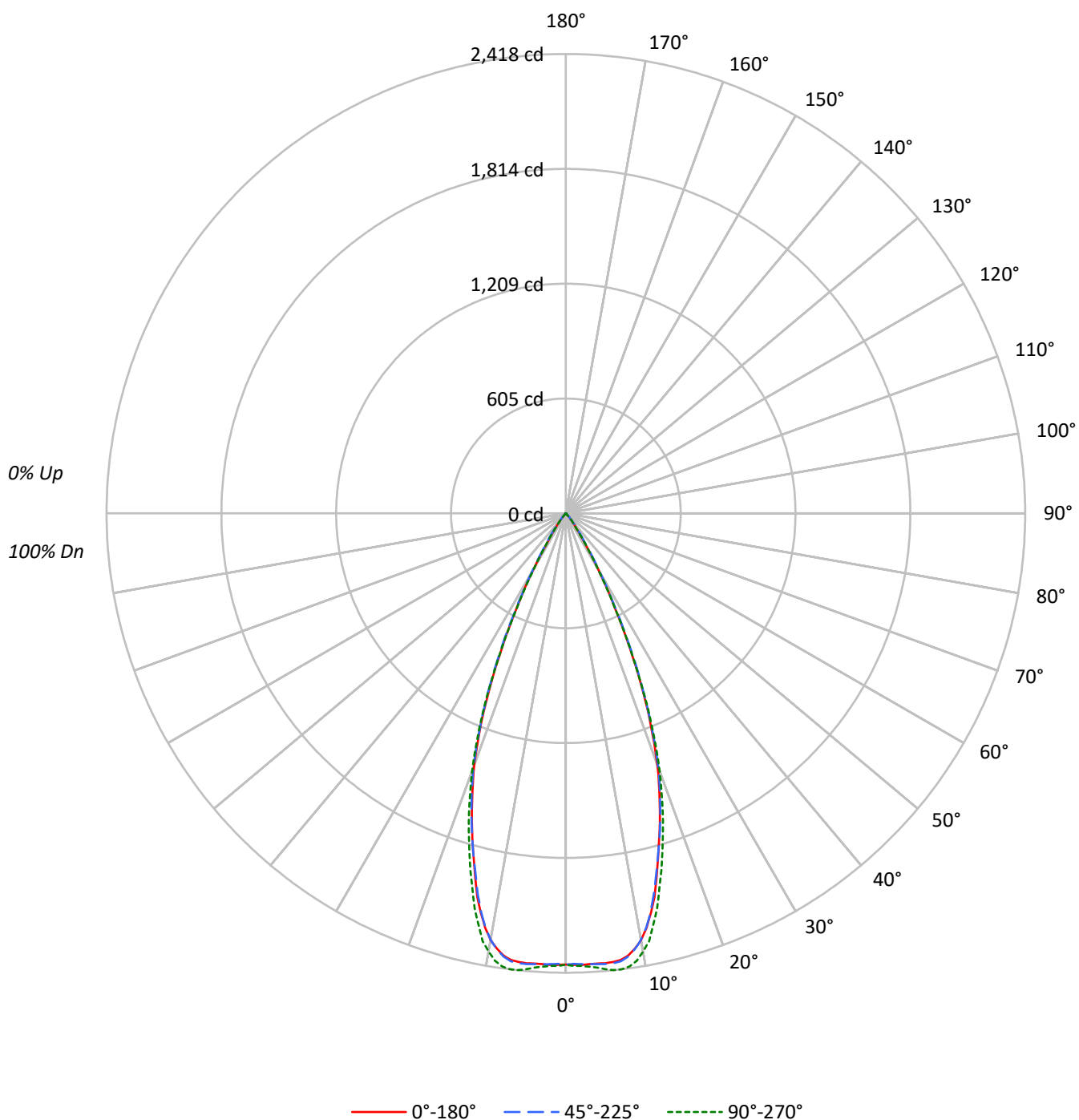
Lumens per Lamp: N/A
Luminaire Lumens: 1229.0 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	408960	408960	408960
5°	410989	411767	416469
10°	398795	398480	409568
15°	334220	334059	346326
20°	258363	261021	264668
25°	158387	161656	158729
30°	67932	70995	65765
35°	21340	25713	20772
40°	7329	9375	7127
45°	1315	3970	1096
50°	723	1447	723
55°	811	811	811
60°	620	620	620
65°	734	734	734
70°	453	453	453
75°	599	599	599
80°	893	893	893
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3970 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.7	18.4
10°-20°	521.5	42.4
20°-30°	381.8	31.1
30°-40°	84.4	6.9
40°-50°	10.3	0.8
50°-60°	2.4	0.2
60°-70°	1.7	0.1
70°-80°	1.0	0.1
80°-90°	0.1	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°	1129.0	91.9
0°-40°	1213.4	98.7
0°-60°	1226.1	99.8
0°-90°	1229.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1229.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2375	2375	2375	2375	2375	
5°	2377	2376	2382	2399	2409	224
15°	1874	1864	1874	1919	1942	517
25°	834	833	851	844	835	378
35°	102	107	122	107	99	80
45°	5	9	16	9	4	7
55°	3	3	3	3	3	2
65°	2	2	2	2	2	2
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°	2374.6	2374.6	2374.6	2374.6	2374.6
1°	2376.4	2372.8	2371.9	2378.2	2382.7
2°	2378.2	2373.7	2374.6	2380.9	2383.7
3°	2376.4	2371.9	2376.4	2385.5	2389.1
4°	2375.5	2373.7	2378.2	2390.9	2397.2
5°	2377.3	2375.5	2381.8	2399.1	2409.0
6°	2374.6	2371.9	2380.9	2402.7	2417.2
7°	2368.3	2365.5	2375.5	2401.8	2418.1
8°	2351.0	2345.6	2355.6	2388.2	2408.1
9°	2320.2	2313.0	2323.0	2361.0	2384.6
10°	2280.4	2272.2	2278.6	2315.7	2342.0
11°	2223.3	2212.4	2219.7	2259.5	2294.0
12°	2150.8	2135.4	2144.5	2189.8	2214.2
13°	2072.0	2057.5	2059.3	2100.1	2134.5
14°	1974.1	1955.1	1963.3	2005.9	2033.0
15°	1874.5	1864.5	1873.6	1918.9	1942.4
17.5°	1646.2	1645.3	1653.4	1687.0	1699.6
20°	1409.7	1412.4	1424.2	1442.3	1444.1
22.5°	1129.8	1130.7	1143.4	1156.0	1153.3
25°	833.5	832.6	850.7	844.4	835.3
27.5°	552.7	556.3	572.6	560.8	551.7
30°	341.6	348.8	357.0	342.5	330.7
32.5°	184.8	196.6	208.4	195.7	183.9
35°	101.5	106.9	122.3	106.9	98.8
37.5°	58.9	61.6	71.6	61.6	56.2
40°	32.6	37.1	41.7	37.1	31.7
42.5°	13.6	20.8	25.4	20.8	13.6
45°	5.4	9.1	16.3	9.1	4.5
47.5°	2.7	3.6	10.0	3.6	2.7
50°	2.7	2.7	5.4	2.7	2.7
52.5°	2.7	2.7	2.7	2.7	2.7
55°	2.7	2.7	2.7	2.7	2.7
57.5°	2.7	2.7	2.7	2.7	2.7
60°	1.8	1.8	1.8	2.7	1.8
62.5°	1.8	1.8	1.8	1.8	1.8
65°	1.8	1.8	1.8	1.8	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
70°	0.9	0.9	0.9	1.8	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°	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9
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)