

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: P1316312

Luminaire Tested: P3SQAS13R609827DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R609827DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

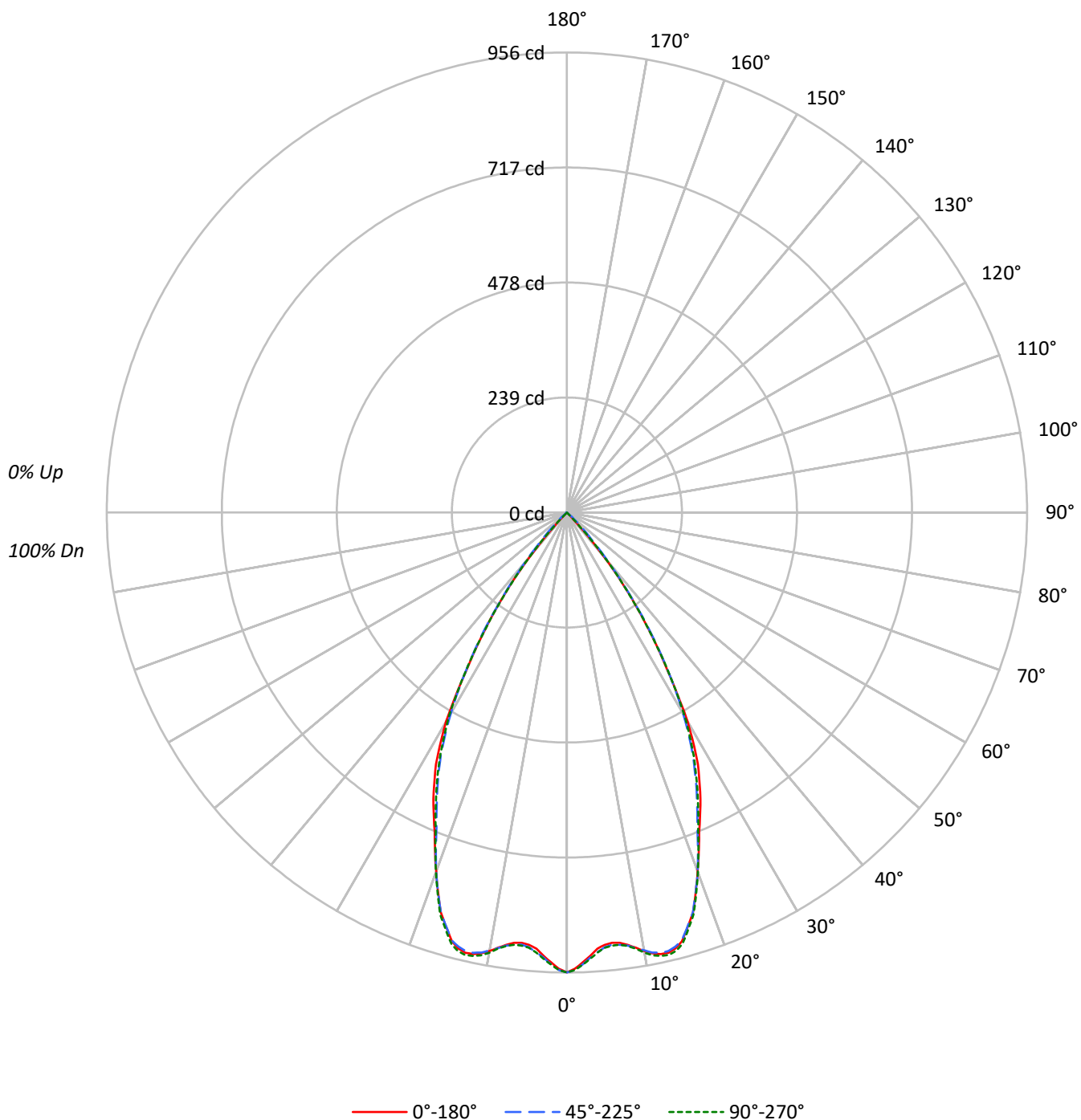
Lumens per Lamp: N/A
Luminaire Lumens: 847.0 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	92	88	101	96	91	88	93	89	86		91	88	85		88
4	98	91	86	81	96	90	85	81	88	83	80		86	82	79		84
5	93	85	80	76	92	84	79	75	83	78	75		81	77	74		79
6	89	80	74	70	87	79	74	70	78	73	70		77	72	69		75
7	85	76	70	66	83	75	69	65	74	69	65		72	68	65		71
8	81	71	66	62	79	71	65	61	70	65	61		69	64	61		68
9	77	67	62	58	76	67	61	58	66	61	57		65	61	57		64
10	73	64	58	54	72	63	58	54	63	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	164610	164610	164610
5°	155886	156716	156941
10°	161833	161589	162533
15°	164516	164266	165478
20°	145576	145576	145832
25°	124753	121047	122073
30°	99811	96171	97663
35°	61917	63200	61770
40°	27181	29924	27945
45°	341	9718	828
50°	0	1099	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 9718 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.3	10.3
10°-20°	253.0	29.9
20°-30°	293.8	34.7
30°-40°	185.0	21.8
40°-50°	27.8	3.3
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	634.1	74.9
0°-40°	819.1	96.7
0°-60°	847.0	100.0
0°-90°	847.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	847.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	956	956	956	956	956	
5°	902	905	906	908	908	87
15°	923	919	921	927	928	253
25°	656	649	637	640	642	298
35°	294	295	301	294	294	184
45°	1	13	40	17	3	18
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	955.8	955.8	955.8	955.8	955.8
1°	948.3	951.0	951.0	951.7	951.0
2°	935.5	939.6	939.6	941.6	940.2
3°	922.7	926.1	926.7	929.4	928.8
4°	908.5	913.9	915.9	917.3	916.6
5°	901.7	905.1	906.5	908.5	907.8
6°	899.0	901.7	903.1	905.1	905.1
7°	901.1	903.1	905.1	906.5	905.1
8°	907.1	909.2	909.2	911.9	909.8
9°	915.9	916.6	916.6	920.0	918.0
10°	925.4	924.0	924.0	928.8	929.4
11°	933.5	932.1	931.5	936.2	937.5
12°	938.2	935.5	935.5	941.6	942.3
13°	938.9	935.5	935.5	941.6	943.6
14°	933.5	929.4	930.1	936.9	938.9
15°	922.7	919.3	921.3	927.4	928.1
17.5°	871.3	869.3	870.7	874.7	875.4
20°	794.3	793.0	794.3	794.3	795.7
22.5°	718.0	714.6	707.9	711.9	712.6
25°	656.5	649.1	637.0	639.7	642.4
27.5°	589.0	579.5	566.7	570.1	570.8
30°	501.9	497.1	483.6	487.0	491.1
32.5°	387.7	400.5	392.4	391.8	392.4
35°	294.5	295.2	300.6	294.5	293.8
37.5°	206.0	206.7	210.7	204.0	204.7
40°	120.9	129.7	133.1	130.4	124.3
42.5°	37.8	66.9	75.7	65.5	41.9
45°	1.4	12.8	39.9	16.9	3.4
47.5°	0.0	0.7	18.9	1.4	0.0
50°	0.0	0.0	4.1	0.0	0.0
52.5°	0.0	0.0	0.7	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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)