

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: P1311348

Luminaire Tested: P3SQAS13R359050DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311348
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS13R359050DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

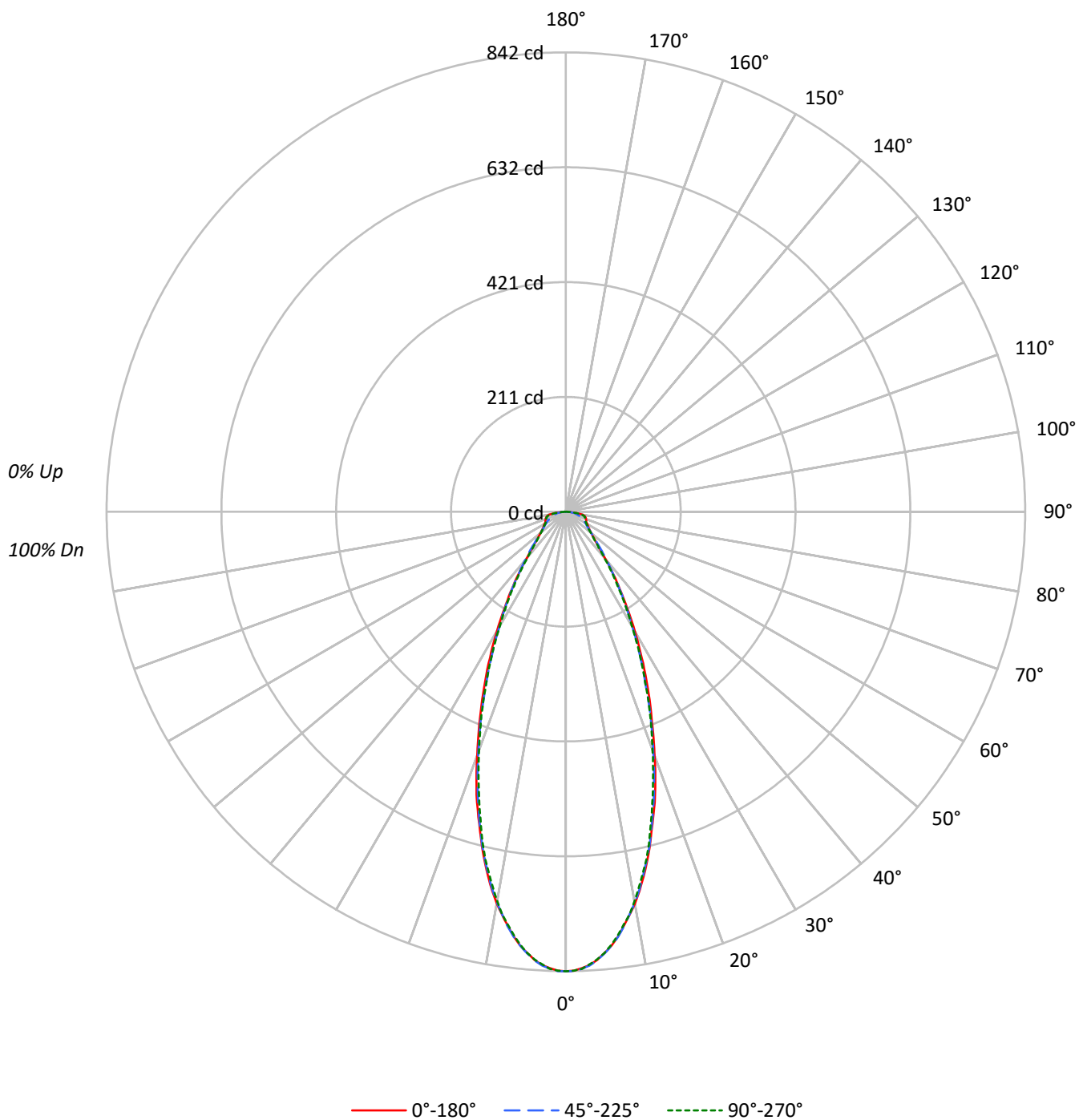
Lumens per Lamp: N/A
Luminaire Lumens: 697.0 lumens
Efficiency: N/A
Efficacy: 47.7 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	101	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	69	64	73	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66
7	77	66	60	55	76	66	59	54	64	58	54		63	58	54		62
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	145080	145080	145080
5°	140327	140500	140327
10°	127470	127277	126735
15°	108209	107835	106890
20°	87111	85956	85168
25°	67345	65331	65331
30°	50214	48523	48106
35°	36141	35700	34796
40°	25292	25989	24326
45°	18876	19899	18340
50°	16210	16210	15915
55°	15283	14653	14983
60°	15707	14260	14983
65°	16871	14263	16423
70°	19789	14955	19235
75°	24687	15504	24022
80°	31539	16860	28365
85°	25096	16796	25096

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 31539 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.8	10.7
10°-20°	167.0	24.0
20°-30°	159.5	22.9
30°-40°	107.1	15.4
40°-50°	62.9	9.0
50°-60°	45.0	6.5
60°-70°	37.4	5.4
70°-80°	30.7	4.4
80°-90°	12.6	1.8
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°	401.3	57.6
0°-40°	508.4	72.9
0°-60°	616.2	88.4
0°-90°	697.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	697.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	842	842	842	842	842	
5°	812	814	813	812	812	75
15°	607	608	605	600	600	168
25°	354	350	344	344	344	163
35°	172	172	170	167	166	109
45°	78	80	82	78	75	62
55°	51	50	49	49	50	46
65°	41	37	35	37	40	41
75°	37	29	23	29	36	39
85°	13	14	8	14	13	14
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	842.4	842.4	842.4	842.4	842.4
1°	841.4	842.4	842.4	841.4	841.4
2°	837.1	839.2	838.2	837.1	838.2
3°	831.8	833.9	832.9	831.8	830.8
4°	823.3	825.5	824.4	822.3	822.3
5°	811.7	813.8	812.7	811.7	811.7
6°	800.0	802.1	800.0	797.9	797.9
7°	784.1	787.3	785.1	783.0	782.0
8°	766.0	769.2	767.1	766.0	763.9
9°	748.0	750.1	746.9	746.9	746.9
10°	728.9	730.0	727.8	724.7	724.7
11°	707.7	706.6	705.6	703.4	701.3
12°	684.3	684.3	681.2	679.0	678.0
13°	659.9	658.9	656.8	654.6	654.6
14°	634.5	634.5	632.4	628.1	629.2
15°	606.9	607.9	604.8	600.5	599.5
17.5°	544.3	542.2	536.9	533.7	530.5
20°	475.3	474.3	469.0	465.8	464.7
22.5°	411.7	410.6	405.3	402.1	404.2
25°	354.4	350.1	343.8	343.8	343.8
27.5°	301.3	296.0	291.8	289.7	291.8
30°	252.5	248.3	244.0	243.0	241.9
32.5°	209.0	206.9	204.8	201.6	201.6
35°	171.9	171.9	169.8	166.6	165.5
37.5°	140.1	141.1	140.1	136.9	135.8
40°	112.5	114.6	115.6	112.5	108.2
42.5°	92.3	95.5	97.6	92.3	89.1
45°	77.5	79.6	81.7	77.5	75.3
47.5°	67.9	69.0	70.0	66.8	65.8
50°	60.5	60.5	60.5	59.4	59.4
52.5°	55.2	55.2	54.1	53.0	53.0
55°	50.9	49.9	48.8	48.8	49.9
57.5°	47.7	46.7	44.6	45.6	46.7
60°	45.6	43.5	41.4	42.4	43.5
62.5°	42.4	40.3	38.2	39.3	41.4
65°	41.4	37.1	35.0	37.1	40.3
67.5°	40.3	35.0	31.8	35.0	39.3
70°	39.3	32.9	29.7	32.9	38.2
72.5°	38.2	30.8	26.5	30.8	37.1
75°	37.1	28.6	23.3	28.6	36.1
77.5°	35.0	26.5	20.2	26.5	32.9
80°	31.8	24.4	17.0	23.3	28.6
82.5°	23.3	20.2	13.8	20.2	21.2
85°	12.7	13.8	8.5	13.8	12.7
87.5°	1.1	2.1	2.1	6.4	4.2



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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)