

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: P1310394

Luminaire Tested: P3SQAS17R259040DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R259040DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

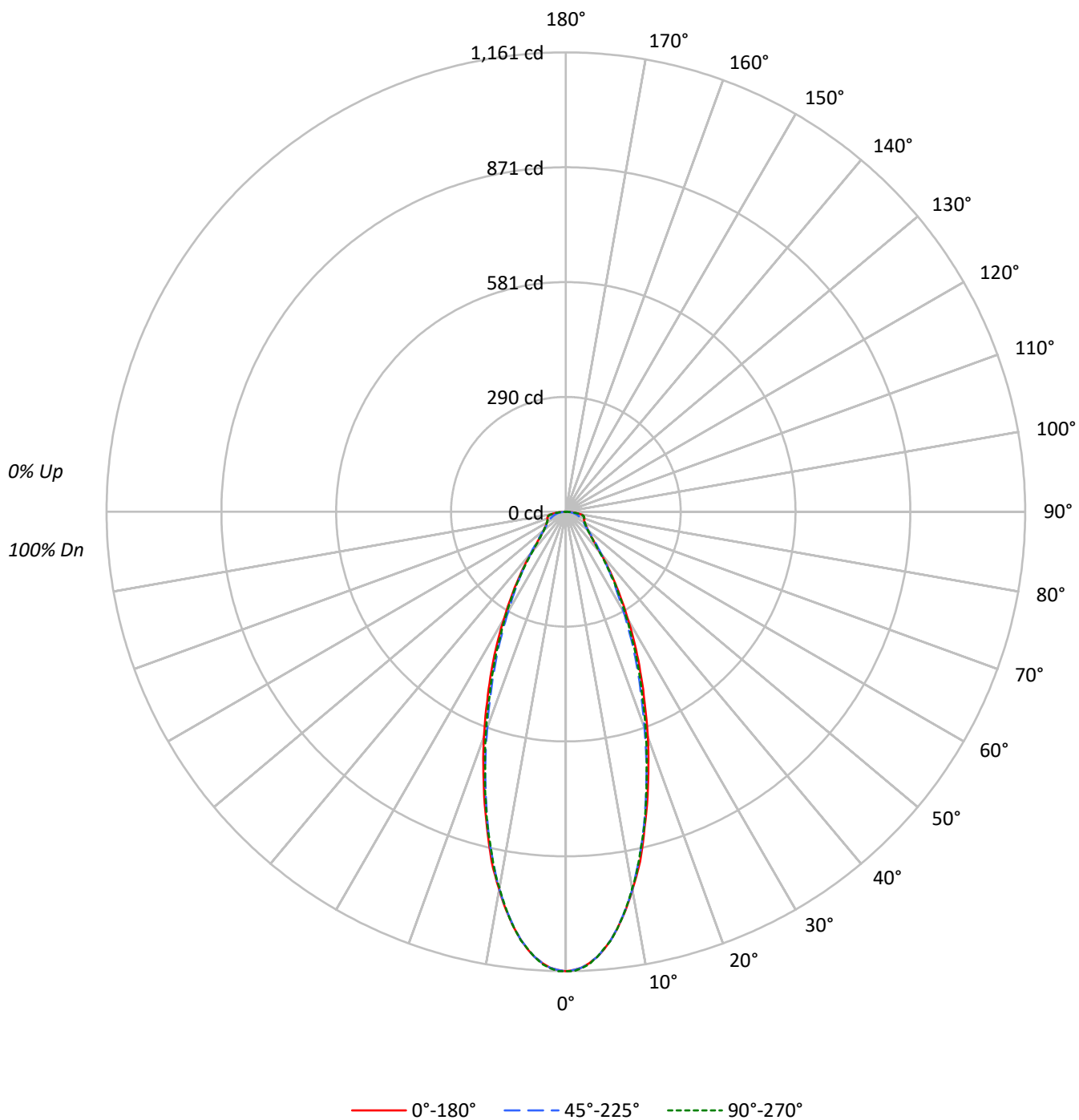
Lumens per Lamp: N/A
Luminaire Lumens: 877.0 lumens
Efficiency: N/A
Efficacy: 41.4 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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

TEST NUMBER: P1310394

CATALOG NUMBER: P3SQAS17R259040DE010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1310394

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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	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	199985	199985	199985
5°	191880	191655	191655
10°	169633	169388	168899
15°	140089	138110	138858
20°	110973	106410	108188
25°	84524	80058	82149
30°	62285	57870	60356
35°	44572	42533	43121
40°	30531	31160	29586
45°	22602	23966	22286
50°	19666	19666	19318
55°	18736	17896	18736
60°	19082	17670	19082
65°	20905	18053	20905
70°	25127	18128	24422
75°	31341	19364	31341
80°	39870	20629	37093
85°	32802	19168	32802

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 39870 cd/sqm

TEST NUMBER: P1310394

CATALOG NUMBER: P3SQAS17R259040DE010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.3	11.6
10°-20°	215.3	24.6
20°-30°	197.3	22.5
30°-40°	130.1	14.8
40°-50°	75.7	8.6
50°-60°	55.3	6.3
60°-70°	47.0	5.4
70°-80°	38.9	4.4
80°-90°	16.0	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°	513.9	58.6
0°-40°	644.1	73.4
0°-60°	775.1	88.4
0°-90°	877.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	877.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1161	1161	1161	1161	1161	
5°	1110	1109	1109	1110	1109	101
15°	786	783	775	777	779	218
25°	445	432	421	423	432	204
35°	212	208	202	202	205	134
45°	93	96	98	93	92	75
55°	62	62	60	61	62	57
65°	51	47	44	47	51	51
75°	47	36	29	36	47	49
85°	17	18	10	18	17	19
90°	0	0	0	0	0	

TEST NUMBER: P1310394

CATALOG NUMBER: P3SQAS17R259040DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1161.2	1161.2	1161.2	1161.2	1161.2
1°	1158.4	1158.4	1158.4	1158.4	1161.2
2°	1152.9	1151.5	1152.9	1152.9	1154.3
3°	1141.8	1141.8	1141.8	1141.8	1144.6
4°	1128.0	1128.0	1128.0	1128.0	1128.0
5°	1109.9	1108.6	1108.6	1109.9	1108.6
6°	1087.8	1087.8	1087.8	1087.8	1089.2
7°	1062.8	1061.4	1061.4	1060.1	1062.8
8°	1033.7	1033.7	1032.3	1031.0	1033.7
9°	1003.2	1004.6	1001.9	1000.5	1000.5
10°	970.0	968.6	968.6	968.6	965.8
11°	936.7	932.6	931.2	931.2	934.0
12°	903.5	896.5	893.8	893.8	893.8
13°	863.3	860.5	856.4	853.6	855.0
14°	823.1	823.1	816.2	816.2	818.9
15°	785.7	782.9	774.6	777.4	778.8
17.5°	692.8	687.3	677.6	677.6	679.0
20°	605.5	595.8	580.6	587.5	590.3
22.5°	519.6	509.9	494.7	501.6	504.4
25°	444.8	432.3	421.3	422.6	432.3
27.5°	376.9	363.1	352.0	356.1	361.7
30°	313.2	304.9	291.0	297.9	303.5
32.5°	259.1	252.2	242.5	246.7	252.2
35°	212.0	207.9	202.3	202.3	205.1
37.5°	171.8	170.4	167.7	166.3	164.9
40°	135.8	138.6	138.6	135.8	131.6
42.5°	110.9	113.6	116.4	110.9	106.7
45°	92.8	95.6	98.4	92.8	91.5
47.5°	81.8	83.1	84.5	81.8	80.4
50°	73.4	73.4	73.4	72.1	72.1
52.5°	67.9	66.5	65.1	66.5	66.5
55°	62.4	62.4	59.6	61.0	62.4
57.5°	58.2	56.8	55.4	56.8	58.2
60°	55.4	52.7	51.3	52.7	55.4
62.5°	52.7	49.9	47.1	49.9	52.7
65°	51.3	47.1	44.3	47.1	51.3
67.5°	49.9	44.3	40.2	44.3	49.9
70°	49.9	41.6	36.0	41.6	48.5
72.5°	48.5	38.8	33.3	38.8	48.5
75°	47.1	36.0	29.1	36.0	47.1
77.5°	45.7	33.3	24.9	33.3	44.3
80°	40.2	30.5	20.8	30.5	37.4
82.5°	29.1	24.9	16.6	24.9	27.7
85°	16.6	18.0	9.7	18.0	16.6
87.5°	2.8	4.2	2.8	6.9	5.5



TEST NUMBER: P1310394

CATALOG NUMBER: P3SQAS17R259040DE010 E3SQPHLP1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)