

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: P1309420

Luminaire Tested: P3SQAS20R259035D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309420
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R259035D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3500K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

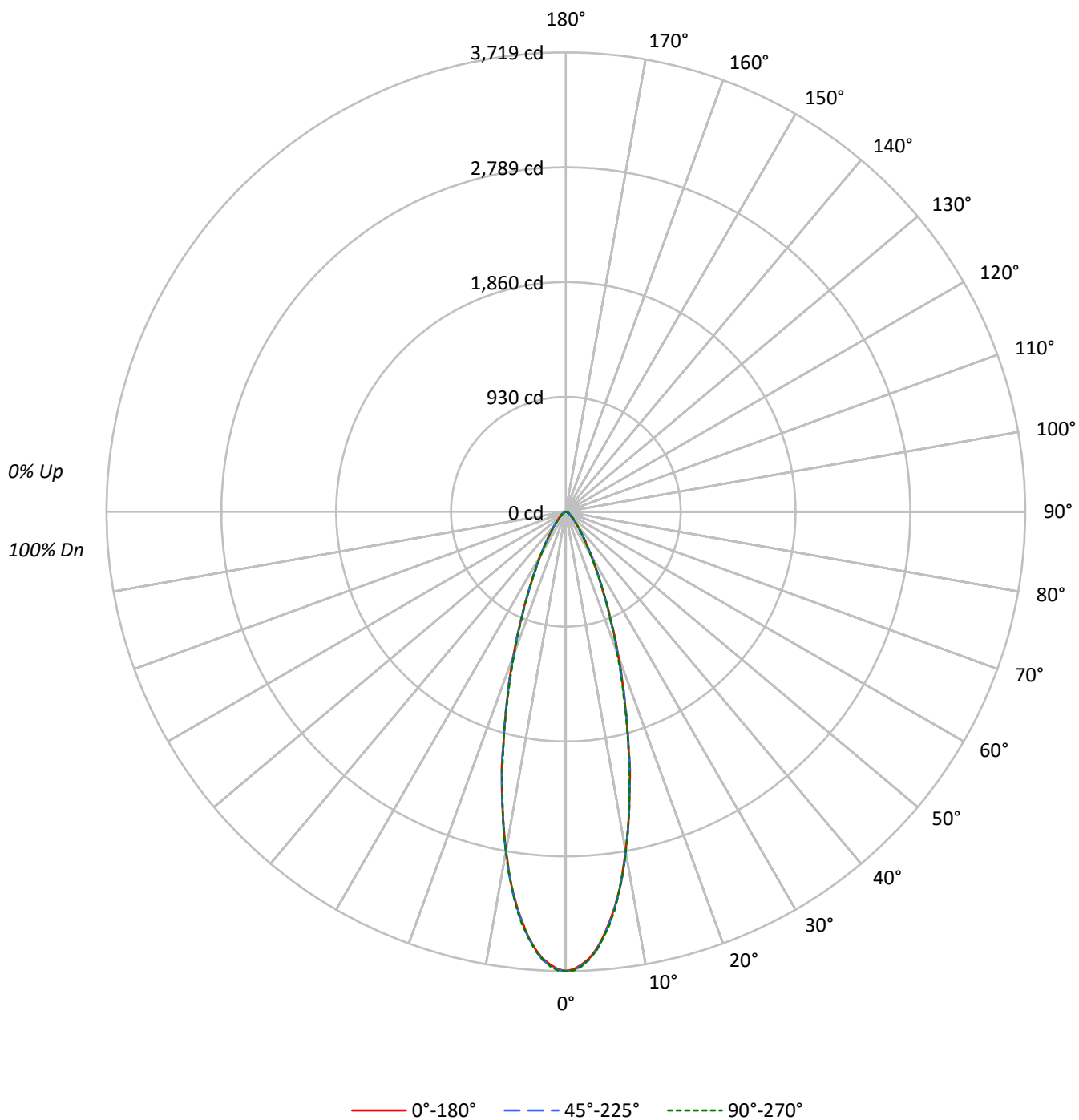
Lumens per Lamp: N/A
Luminaire Lumens: 1490.0 lumens
Efficiency: N/A
Efficacy: 51.7 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1309420

CATALOG NUMBER: P3SQAS20R259035D010 E3SQPHL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1309420

CATALOG NUMBER: P3SQAS20R259035D010 E3SQPHL1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75	71	69	67
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72	68	66	64
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	640427	640427	640427
5°	597769	598374	598685
10°	487581	489103	489103
15°	348252	350124	348252
20°	227921	225685	222496
25°	135508	136173	135508
30°	81634	81634	81276
35°	49723	50101	49723
40°	31677	32059	32059
45°	22018	22018	22018
50°	15835	16317	16317
55°	12521	12521	13061
60°	10196	10781	10781
65°	9210	9210	9210
70°	7906	7906	8762
75°	6920	6920	8118
80°	6943	6943	6943
85°	3359	3359	3359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22018 cd/sqm

TEST NUMBER: P1309420

CATALOG NUMBER: P3SQAS20R259035D010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.0	20.7
10°-20°	538.6	36.2
20°-30°	338.6	22.7
30°-40°	154.9	10.4
40°-50°	72.4	4.9
50°-60°	38.9	2.6
60°-70°	22.9	1.5
70°-80°	12.0	0.8
80°-90°	2.7	0.2
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°	1186.3	79.6
0°-40°	1341.2	90.0
0°-60°	1452.4	97.5
0°-90°	1490.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1490.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3719	3719	3719	3719	3719	
5°	3458	3465	3461	3465	3463	308
15°	1953	1965	1964	1967	1953	539
25°	713	722	717	717	713	339
35°	236	236	238	238	236	155
45°	90	90	90	90	90	72
55°	42	42	42	44	44	38
65°	23	23	23	23	23	22
75°	10	10	10	12	12	12
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

TEST NUMBER: P1309420

CATALOG NUMBER: P3SQAS20R259035D010 E3SQPHL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3718.6	3718.6	3718.6	3718.6	3718.6
1°	3703.0	3706.5	3709.9	3715.2	3713.4
2°	3668.2	3675.2	3676.9	3683.8	3682.1
3°	3621.2	3619.5	3633.4	3633.4	3624.7
4°	3548.2	3551.7	3555.1	3558.6	3560.4
5°	3457.7	3464.7	3461.2	3464.7	3463.0
6°	3346.4	3356.9	3355.1	3358.6	3363.8
7°	3228.1	3235.1	3235.1	3231.6	3245.5
8°	3099.4	3094.2	3102.9	3099.4	3097.7
9°	2946.4	2956.8	2958.6	2949.9	2953.3
10°	2788.1	2795.1	2796.8	2802.0	2796.8
11°	2631.6	2631.6	2635.0	2643.7	2629.8
12°	2461.1	2476.8	2461.1	2468.1	2461.1
13°	2299.4	2302.8	2299.4	2297.6	2285.4
14°	2146.3	2134.1	2137.6	2123.7	2125.4
15°	1953.2	1965.4	1963.7	1967.2	1953.2
17.5°	1570.6	1577.5	1575.8	1572.3	1554.9
20°	1243.6	1243.6	1231.4	1224.5	1214.0
22.5°	949.7	946.2	941.0	935.7	939.2
25°	713.1	721.8	716.6	716.6	713.1
27.5°	539.2	549.6	540.9	535.7	539.2
30°	410.5	414.0	410.5	408.7	408.7
32.5°	309.6	311.3	309.6	309.6	309.6
35°	236.5	236.5	238.3	238.3	236.5
37.5°	182.6	182.6	182.6	182.6	184.4
40°	140.9	142.6	142.6	142.6	142.6
42.5°	111.3	113.1	113.1	113.1	113.1
45°	90.4	90.4	90.4	90.4	90.4
47.5°	73.1	73.1	73.1	73.1	74.8
50°	59.1	60.9	60.9	60.9	60.9
52.5°	50.4	50.4	50.4	50.4	50.4
55°	41.7	41.7	41.7	43.5	43.5
57.5°	34.8	34.8	36.5	36.5	36.5
60°	29.6	31.3	31.3	31.3	31.3
62.5°	26.1	26.1	27.8	27.8	27.8
65°	22.6	22.6	22.6	22.6	22.6
67.5°	19.1	19.1	19.1	19.1	20.9
70°	15.7	15.7	15.7	17.4	17.4
72.5°	13.9	13.9	13.9	13.9	13.9
75°	10.4	10.4	10.4	12.2	12.2
77.5°	8.7	8.7	8.7	8.7	8.7
80°	7.0	7.0	7.0	7.0	7.0
82.5°	3.5	3.5	5.2	5.2	5.2
85°	1.7	1.7	1.7	1.7	1.7
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1309420

CATALOG NUMBER: P3SQAS20R259035D010 E3SQPHL1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)