

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: P1308302

Luminaire Tested: P3SQAS20R259030D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308302
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: P3SQAS20R259030D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

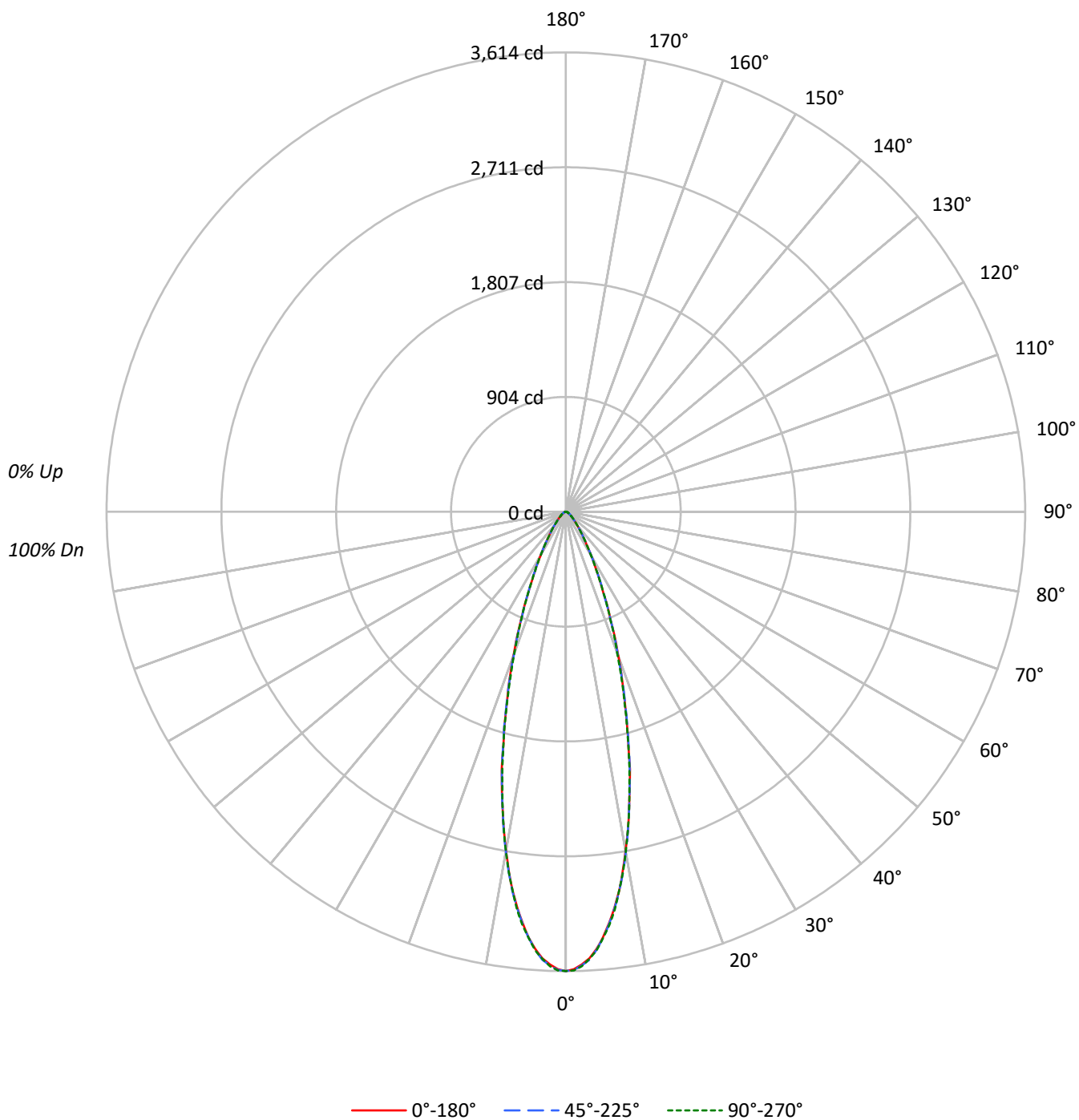
Lumens per Lamp: N/A
Luminaire Lumens: 1448.0 lumens
Efficiency: N/A
Efficacy: 50.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1308302

CATALOG NUMBER: P3SQAS20R259030D010 E3SQPHL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1308302

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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	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	622378	622378	622378
5°	580930	581518	581795
10°	473836	475322	475322
15°	338445	340246	338445
20°	221488	219326	216228
25°	131688	132335	131688
30°	79327	79327	78989
35°	48335	48693	48335
40°	30778	31160	31160
45°	21409	21409	21409
50°	15406	15862	15862
55°	12191	12191	12701
60°	9886	10471	10471
65°	8965	8965	8965
70°	7654	7654	8510
75°	6721	6721	7852
80°	6744	6744	6744
85°	3359	3359	3359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21409 cd/sqm

TEST NUMBER: P1308302

CATALOG NUMBER: P3SQAS20R259030D010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.3	20.7
10°-20°	523.5	36.1
20°-30°	329.1	22.7
30°-40°	150.5	10.4
40°-50°	70.3	4.9
50°-60°	37.8	2.6
60°-70°	22.3	1.5
70°-80°	11.6	0.8
80°-90°	2.6	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°	1152.9	79.6
0°-40°	1303.4	90.0
0°-60°	1411.5	97.5
0°-90°	1448.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1448.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3614	3614	3614	3614	3614	
5°	3360	3367	3364	3367	3365	300
15°	1898	1910	1908	1912	1898	523
25°	693	702	696	696	693	330
35°	230	230	232	232	230	150
45°	88	88	88	88	88	70
55°	41	41	41	42	42	37
65°	22	22	22	22	22	22
75°	10	10	10	12	12	11
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

TEST NUMBER: P1308302

CATALOG NUMBER: P3SQAS20R259030D010 E3SQPHL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3613.8	3613.8	3613.8	3613.8	3613.8
1°	3598.6	3602.0	3605.4	3610.4	3608.7
2°	3564.8	3571.6	3573.2	3580.0	3578.3
3°	3519.2	3517.5	3531.0	3531.0	3522.5
4°	3448.2	3451.5	3454.9	3458.3	3460.0
5°	3360.3	3367.0	3363.7	3367.0	3365.3
6°	3252.1	3262.2	3260.5	3263.9	3269.0
7°	3137.2	3143.9	3143.9	3140.5	3154.1
8°	3012.1	3007.0	3015.5	3012.1	3010.4
9°	2863.3	2873.5	2875.2	2866.7	2870.1
10°	2709.5	2716.3	2718.0	2723.0	2718.0
11°	2557.4	2557.4	2560.8	2569.2	2555.7
12°	2391.7	2407.0	2391.7	2398.5	2391.7
13°	2234.5	2237.9	2234.5	2232.9	2221.0
14°	2085.8	2074.0	2077.4	2063.8	2065.5
15°	1898.2	1910.0	1908.3	1911.7	1898.2
17.5°	1526.3	1533.1	1531.4	1528.0	1511.1
20°	1208.5	1208.5	1196.7	1190.0	1179.8
22.5°	922.9	919.5	914.4	909.4	912.7
25°	693.0	701.5	696.4	696.4	693.0
27.5°	524.0	534.1	525.7	520.6	524.0
30°	398.9	402.3	398.9	397.2	397.2
32.5°	300.9	302.6	300.9	300.9	300.9
35°	229.9	229.9	231.6	231.6	229.9
37.5°	177.5	177.5	177.5	177.5	179.2
40°	136.9	138.6	138.6	138.6	138.6
42.5°	108.2	109.9	109.9	109.9	109.9
45°	87.9	87.9	87.9	87.9	87.9
47.5°	71.0	71.0	71.0	71.0	72.7
50°	57.5	59.2	59.2	59.2	59.2
52.5°	49.0	49.0	49.0	49.0	49.0
55°	40.6	40.6	40.6	42.3	42.3
57.5°	33.8	33.8	35.5	35.5	35.5
60°	28.7	30.4	30.4	30.4	30.4
62.5°	25.4	25.4	27.0	27.0	27.0
65°	22.0	22.0	22.0	22.0	22.0
67.5°	18.6	18.6	18.6	18.6	20.3
70°	15.2	15.2	15.2	16.9	16.9
72.5°	13.5	13.5	13.5	13.5	13.5
75°	10.1	10.1	10.1	11.8	11.8
77.5°	8.5	8.5	8.5	8.5	8.5
80°	6.8	6.8	6.8	6.8	6.8
82.5°	3.4	3.4	5.1	5.1	5.1
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: P1308302

CATALOG NUMBER: P3SQAS20R259030D010 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)