

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: P1306181

Luminaire Tested: P3SQAS20R159024D010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306181
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R159024D010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

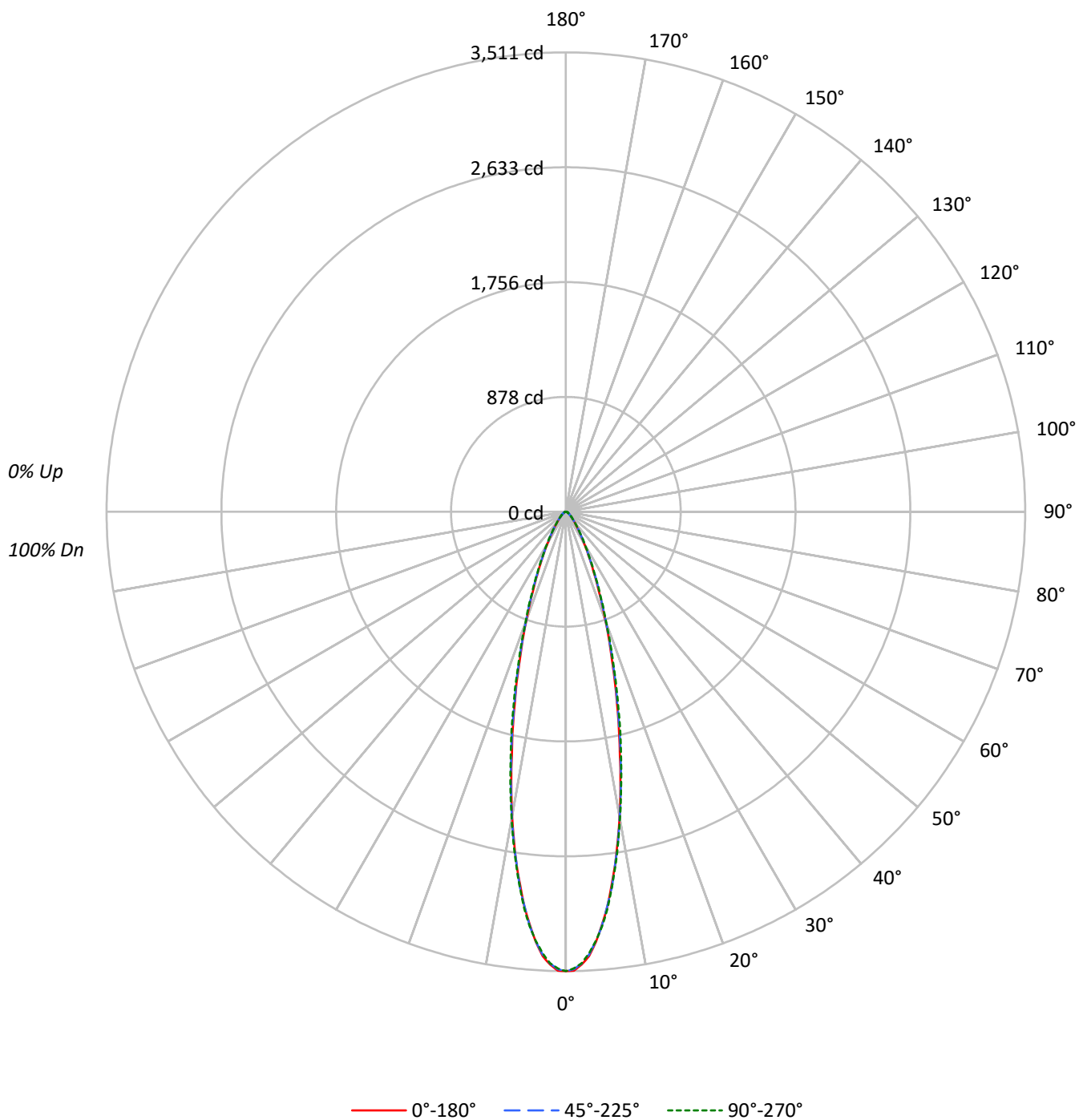
Lumens per Lamp: N/A
Luminaire Lumens: 1161.0 lumens
Efficiency: N/A
Efficacy: 40.3 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1306181

CATALOG NUMBER: P3SQAS20R159024D010 E3SQPHL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1306181

CATALOG NUMBER: P3SQAS20R159024D010 E3SQPHL1MW

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	101	97	107	103	99	96	99	97	94		97	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	604639	604639	604639
5°	547668	548705	549466
10°	413485	414517	416615
15°	268196	271120	276433
20°	161484	163390	165571
25°	94329	96325	97731
30°	55444	57214	58109
35°	34165	35426	36036
40°	22460	23134	23471
45°	15612	15978	16343
50°	11575	11977	12378
55°	9398	9849	9849
60°	8232	8232	8232
65°	7294	7294	7294
70°	5992	6748	6748
75°	5922	5922	5922
80°	4463	5951	5951
85°	2964	2964	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 16343 cd/sqm

TEST NUMBER: P1306181

CATALOG NUMBER: P3SQAS20R159024D010 E3SQPHL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.5	23.8
10°-20°	422.8	36.4
20°-30°	240.3	20.7
30°-40°	109.7	9.4
40°-50°	52.6	4.5
50°-60°	29.4	2.5
60°-70°	18.0	1.6
70°-80°	9.6	0.8
80°-90°	2.1	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°	939.7	80.9
0°-40°	1049.4	90.4
0°-60°	1131.4	97.4
0°-90°	1161.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1161.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3511	3511	3511	3511	3511	
5°	3168	3166	3174	3174	3178	276
15°	1504	1512	1521	1542	1550	417
25°	496	496	507	511	514	236
35°	162	166	168	171	171	107
45°	64	64	66	67	67	51
55°	31	31	33	33	33	29
65°	18	18	18	18	18	18
75°	9	9	9	9	9	9
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

TEST NUMBER: P1306181

CATALOG NUMBER: P3SQAS20R159024D010 E3SQPHL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3510.8	3510.8	3510.8	3510.8	3510.8
1°	3507.8	3498.9	3495.9	3494.4	3491.4
2°	3463.1	3455.6	3454.1	3454.1	3452.6
3°	3400.5	3387.1	3388.5	3384.1	3379.6
4°	3294.6	3288.7	3291.6	3294.6	3288.7
5°	3167.9	3166.4	3173.9	3173.9	3178.3
6°	3036.7	3035.2	3030.8	3042.7	3048.6
7°	2869.8	2878.7	2890.6	2884.7	2889.1
8°	2717.7	2707.3	2711.7	2726.6	2728.1
9°	2538.8	2531.3	2550.7	2556.7	2558.2
10°	2364.4	2371.8	2370.3	2391.2	2382.3
12.5°	1909.7	1921.6	1935.0	1944.0	1952.9
15°	1504.2	1511.7	1520.6	1541.5	1550.4
17.5°	1156.8	1165.8	1174.7	1192.6	1195.6
20°	881.1	885.5	891.5	907.9	903.4
22.5°	658.9	666.4	672.3	679.8	684.3
25°	496.4	496.4	506.9	511.3	514.3
27.5°	369.7	372.7	380.1	386.1	384.6
30°	278.8	283.2	287.7	290.7	292.2
32.5°	214.7	214.7	219.1	223.6	225.1
35°	162.5	165.5	168.5	171.4	171.4
37.5°	126.7	128.2	131.2	132.7	132.7
40°	99.9	99.9	102.9	104.4	104.4
42.5°	79.0	80.5	82.0	83.5	83.5
45°	64.1	64.1	65.6	67.1	67.1
47.5°	52.2	52.2	53.7	55.2	55.2
50°	43.2	44.7	44.7	46.2	46.2
52.5°	37.3	37.3	37.3	38.8	38.8
55°	31.3	31.3	32.8	32.8	32.8
57.5°	26.8	26.8	26.8	28.3	28.3
60°	23.9	23.9	23.9	23.9	23.9
62.5°	20.9	20.9	20.9	20.9	20.9
65°	17.9	17.9	17.9	17.9	17.9
67.5°	14.9	14.9	14.9	16.4	16.4
70°	11.9	13.4	13.4	13.4	13.4
72.5°	10.4	10.4	10.4	10.4	10.4
75°	8.9	8.9	8.9	8.9	8.9
77.5°	7.5	7.5	7.5	7.5	7.5
80°	4.5	6.0	6.0	6.0	6.0
82.5°	3.0	3.0	3.0	3.0	3.0
85°	1.5	1.5	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)