

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: P1312828

Luminaire Tested: P3SQAS20R709727D010 E3SQCLDWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312828
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R709727D010 E3SQCLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , E3SQCLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

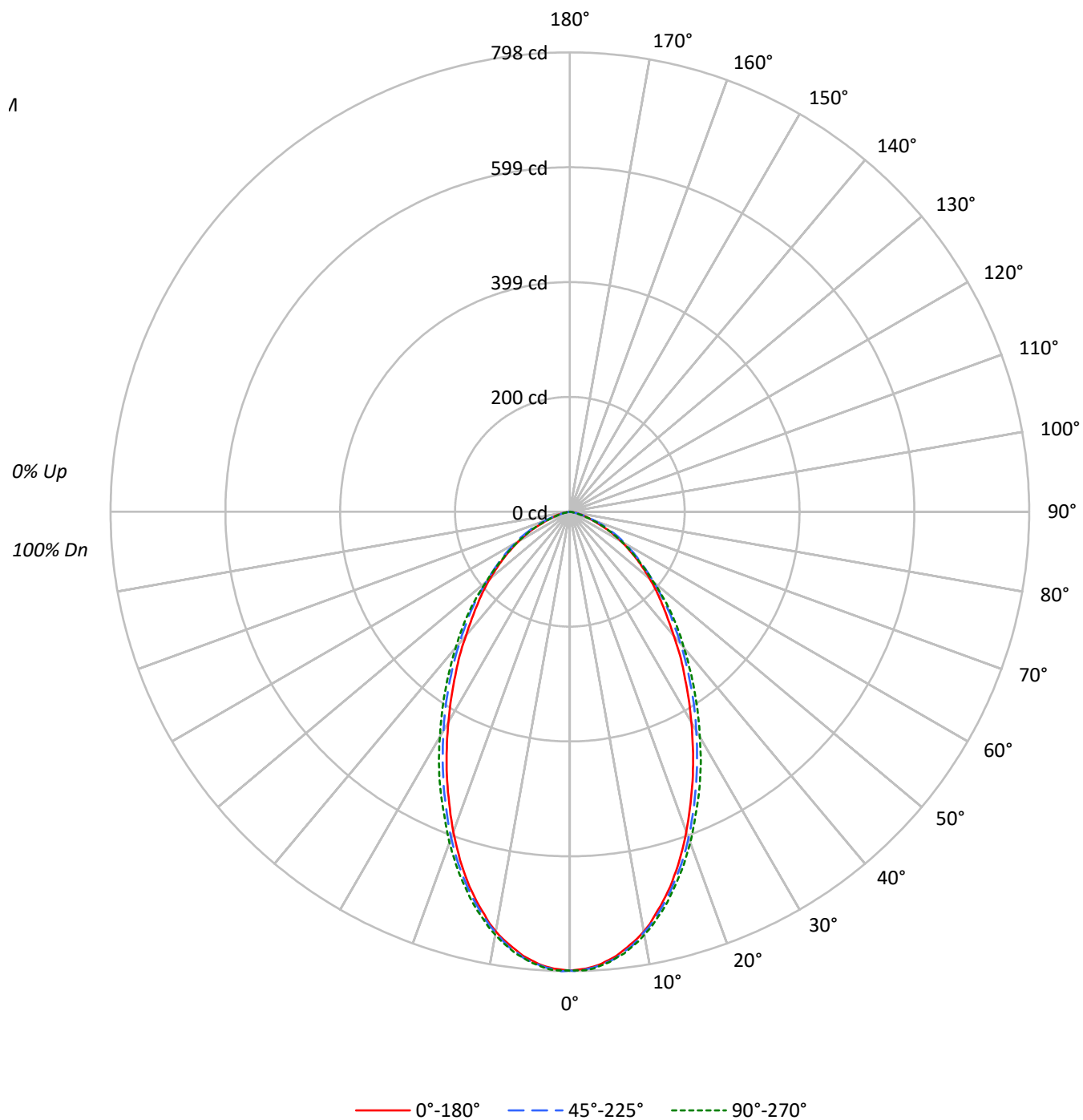
Lumens per Lamp: N/A
Luminaire Lumens: 1141.0 lumens
Efficiency: N/A
Efficacy: 39.6 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 0.99
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312828

CATALOG NUMBER: P3SQAS20R709727D010 E3SQCLDWW1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1312828

CATALOG NUMBER: P3SQAS20R709727D010 E3SQCLDWW1MB

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	108	104	102	109	106	103	100	101	99	97		98	96	94		94
2	103	97	92	87	101	95	90	86	92	88	84		89	85	82		86
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	89	79	72	66	87	78	71	66	76	70	65		74	69	64		72
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66
6	78	66	59	53	76	65	58	53	64	57	53		62	56	52		61
7	73	61	53	48	71	60	53	48	59	52	48		58	52	47		56
8	68	57	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	137261	137261	137261
5°	135089	135590	135832
10°	129481	129726	130478
15°	120155	121153	122170
20°	108444	110533	112091
25°	96039	98719	101151
30°	83901	87282	89808
35°	72913	76781	79178
40°	63017	67154	69380
45°	55166	58966	60695
50°	48549	50826	50826
55°	42097	44198	42937
60°	35581	38027	36098
65°	27711	31745	28852
70°	19940	23516	19940
75°	15105	14107	11312
80°	9819	7042	2777
85°	2766	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 60695 cd/sqm

TEST NUMBER: P1312828

CATALOG NUMBER: P3SQAS20R709727D010 E3SQCLDWW1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.5	6.4
10°-20°	189.7	16.6
20°-30°	238.1	20.9
30°-40°	227.4	19.9
40°-50°	184.9	16.2
50°-60°	129.4	11.3
60°-70°	73.1	6.4
70°-80°	23.1	2.0
80°-90°	1.8	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°	501.2	43.9
0°-40°	728.6	63.9
0°-60°	1043.0	91.4
0°-90°	1141.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1141.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	797	797	797	797	797	
5°	781	783	784	783	786	73
15°	674	675	680	681	685	188
25°	505	511	520	528	532	232
35°	347	352	365	372	377	217
45°	226	232	242	246	249	176
55°	140	142	147	144	143	126
65°	68	72	78	74	71	68
75°	23	23	21	18	17	24
85°	1	1	0	0	0	3
90°	0	0	0	0	0	

TEST NUMBER: P1312828

CATALOG NUMBER: P3SQAS20R709727D010 E3SQCLDWW1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	797.0	797.0	797.0	797.0	797.0
1°	795.6	797.0	798.4	795.6	797.0
2°	794.2	795.6	795.6	794.2	797.0
3°	791.4	792.8	792.8	791.4	794.2
4°	787.1	788.5	788.5	787.1	789.9
5°	781.4	782.9	784.3	782.9	785.7
6°	775.8	777.2	778.6	777.2	778.6
7°	767.3	770.1	770.1	770.1	773.0
8°	758.8	761.6	763.0	761.6	764.5
9°	750.3	751.7	753.1	753.1	756.0
10°	740.4	741.8	741.8	743.2	746.1
11°	729.1	729.1	731.9	731.9	736.1
12°	714.9	716.3	719.2	720.6	723.4
13°	702.2	703.6	706.4	707.8	712.1
14°	688.0	690.8	693.7	695.1	699.3
15°	673.9	675.3	679.5	680.9	685.2
17.5°	634.2	635.6	642.7	645.5	649.8
20°	591.7	596.0	603.1	607.3	611.6
22.5°	547.9	552.1	560.6	567.7	570.5
25°	505.4	511.1	519.5	528.0	532.3
27.5°	462.9	468.6	478.5	487.0	492.6
30°	421.9	427.5	438.9	445.9	451.6
32.5°	383.6	389.3	402.0	409.1	413.4
35°	346.8	352.5	365.2	372.3	376.6
37.5°	314.3	319.9	331.3	338.3	341.2
40°	280.3	287.4	298.7	305.8	308.6
42.5°	252.0	257.7	269.0	274.6	278.9
45°	226.5	232.2	242.1	246.3	249.2
47.5°	203.9	206.7	215.2	216.6	219.4
50°	181.2	184.0	189.7	191.1	189.7
52.5°	160.0	162.8	167.0	165.6	165.6
55°	140.2	141.6	147.2	144.4	143.0
57.5°	120.3	123.2	128.8	124.6	123.2
60°	103.3	106.2	110.4	107.6	104.8
62.5°	86.4	87.8	94.8	89.2	86.4
65°	68.0	72.2	77.9	73.6	70.8
67.5°	51.0	58.0	63.7	58.0	55.2
70°	39.6	42.5	46.7	43.9	39.6
72.5°	29.7	31.1	32.6	29.7	26.9
75°	22.7	22.7	21.2	18.4	17.0
77.5°	15.6	15.6	12.7	8.5	8.5
80°	9.9	9.9	7.1	2.8	2.8
82.5°	4.2	4.2	2.8	1.4	1.4
85°	1.4	1.4	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1312828

CATALOG NUMBER: P3SQAS20R709727D010 E3SQCLDWW1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)