

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: P1305872

Luminaire Tested: P3SQASS13R159024DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305872
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS13R159024DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

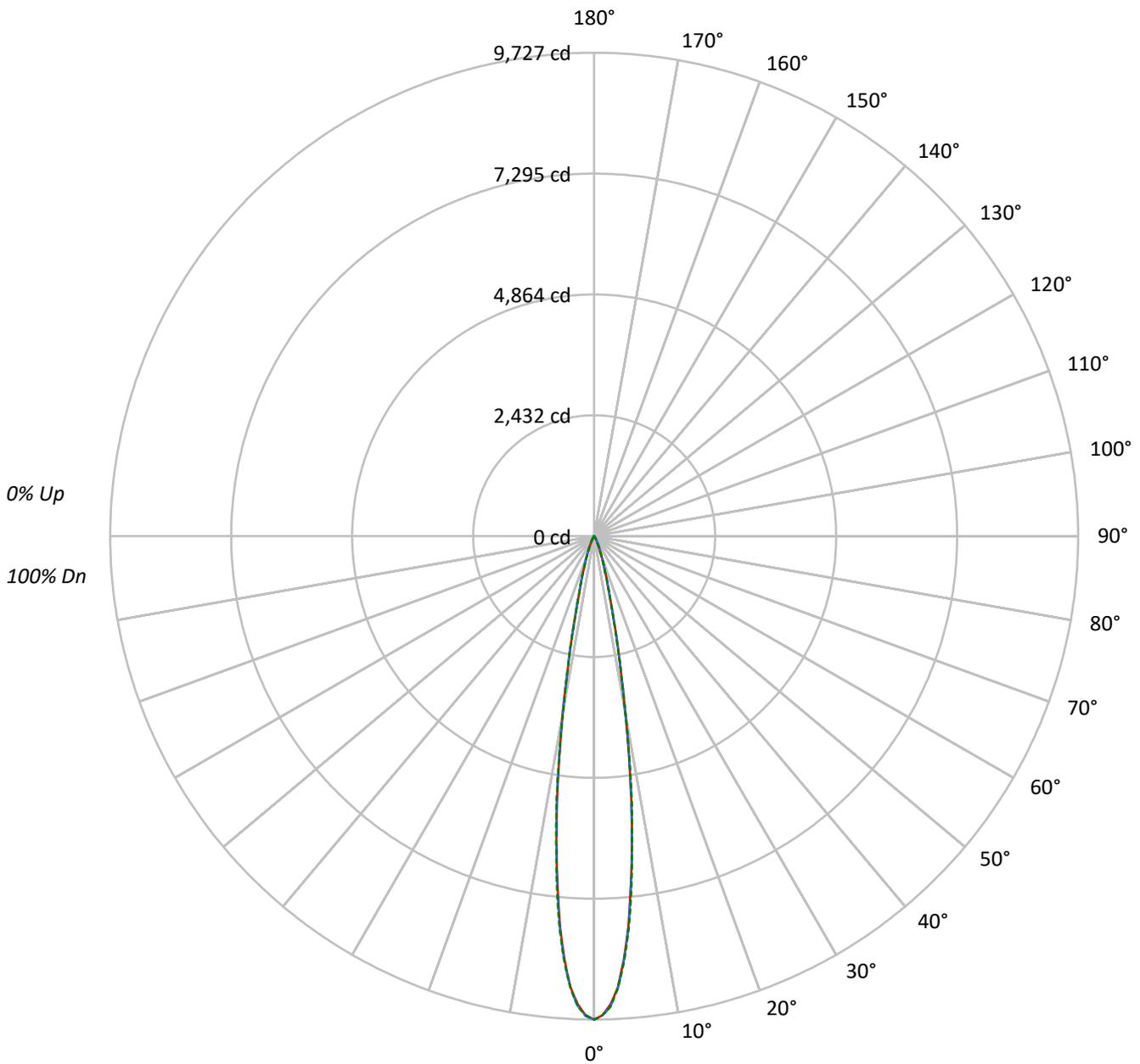
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1092.0 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (A_{in}): 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: P1305872
CATALOG NUMBER: P3SQASS13R159024DE010 E3SQCD1MW

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1305872

CATALOG NUMBER: P3SQASS13R159024DE010 E3SQCD1MW

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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	99	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	97	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	95	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	95	93	91	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	93	91	89	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	92	89	88	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	86	90	88	86	90	88	86	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	89	86	85	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1675261	1675261	1675261
5°	1362229	1366966	1371703
10°	634410	635005	631560
15°	196288	203313	199498
20°	78259	82657	77306
25°	32742	38613	31126
30°	13304	17739	12270
35°	4331	8115	3974
40°	1551	3282	1551
45°	633	1047	633
50°	455	697	455
55°	510	510	510
60°	586	586	586
65°	367	367	367
70°	453	453	453
75°	599	599	599
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1047 cd/sqm



TEST NUMBER: P1305872

CATALOG NUMBER: P3SQASS13R159024DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	608.9	55.8
10°-20°	364.0	33.3
20°-30°	92.6	8.5
30°-40°	20.1	1.8
40°-50°	3.2	0.3
50°-60°	1.5	0.1
60°-70°	1.0	0.1
70°-80°	0.6	0.1
80°-90°	0.0	0.0
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°	1065.5	97.6
0°-40°	1085.7	99.4
0°-60°	1090.5	99.9
0°-90°	1092.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1092.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9727	9727	9727	9727	9727	
5°	7880	7891	7907	7871	7934	608
15°	1101	1132	1140	1124	1119	362
25°	172	184	203	180	164	88
35°	21	27	39	26	19	16
45°	3	3	4	3	3	2
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1305872

CATALOG NUMBER: P3SQASS13R159024DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9727.3	9727.3	9727.3	9727.3	9727.3
1°	9642.4	9658.7	9661.2	9658.7	9645.0
2°	9425.5	9473.5	9463.2	9442.6	9471.8
3°	9090.2	9114.2	9110.8	9112.5	9105.6
4°	8544.9	8586.9	8562.9	8580.9	8582.6
5°	7879.6	7890.7	7907.0	7871.0	7934.4
6°	7060.7	7131.9	7069.3	7131.0	7155.9
7°	6228.2	6269.3	6189.6	6232.5	6258.2
8°	5376.8	5304.8	5348.5	5349.4	5434.2
9°	4457.7	4472.2	4509.1	4467.1	4504.0
10°	3627.7	3661.1	3631.1	3616.5	3611.4
11°	2864.6	2902.3	2899.7	2904.0	2875.7
12°	2304.7	2285.0	2297.8	2255.8	2274.7
13°	1793.7	1794.5	1784.3	1767.1	1751.7
14°	1405.3	1396.7	1420.7	1399.3	1379.6
15°	1100.9	1131.8	1140.3	1124.1	1118.9
17.5°	679.1	679.9	691.9	676.5	674.8
20°	427.0	437.3	451.0	434.7	421.8
22.5°	270.1	279.5	300.9	280.4	262.4
25°	172.3	184.3	203.2	180.1	163.8
27.5°	108.0	119.2	137.2	115.7	103.7
30°	66.9	74.6	89.2	72.9	61.7
32.5°	38.6	46.3	58.3	43.7	36.9
35°	20.6	26.6	38.6	25.7	18.9
37.5°	12.0	15.4	24.9	13.7	11.1
40°	6.9	9.4	14.6	8.6	6.9
42.5°	4.3	6.0	6.9	5.1	3.4
45°	2.6	3.4	4.3	3.4	2.6
47.5°	1.7	2.6	3.4	1.7	1.7
50°	1.7	1.7	2.6	1.7	1.7
52.5°	1.7	1.7	1.7	1.7	1.7
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.7	1.7	1.7	1.7	1.7
60°	1.7	1.7	1.7	1.7	1.7
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1305872
CATALOG NUMBER: P3SQASS13R159024DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)