

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: P1305497

Luminaire Tested: P3SQASS02R609024DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305497
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS02R609024DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

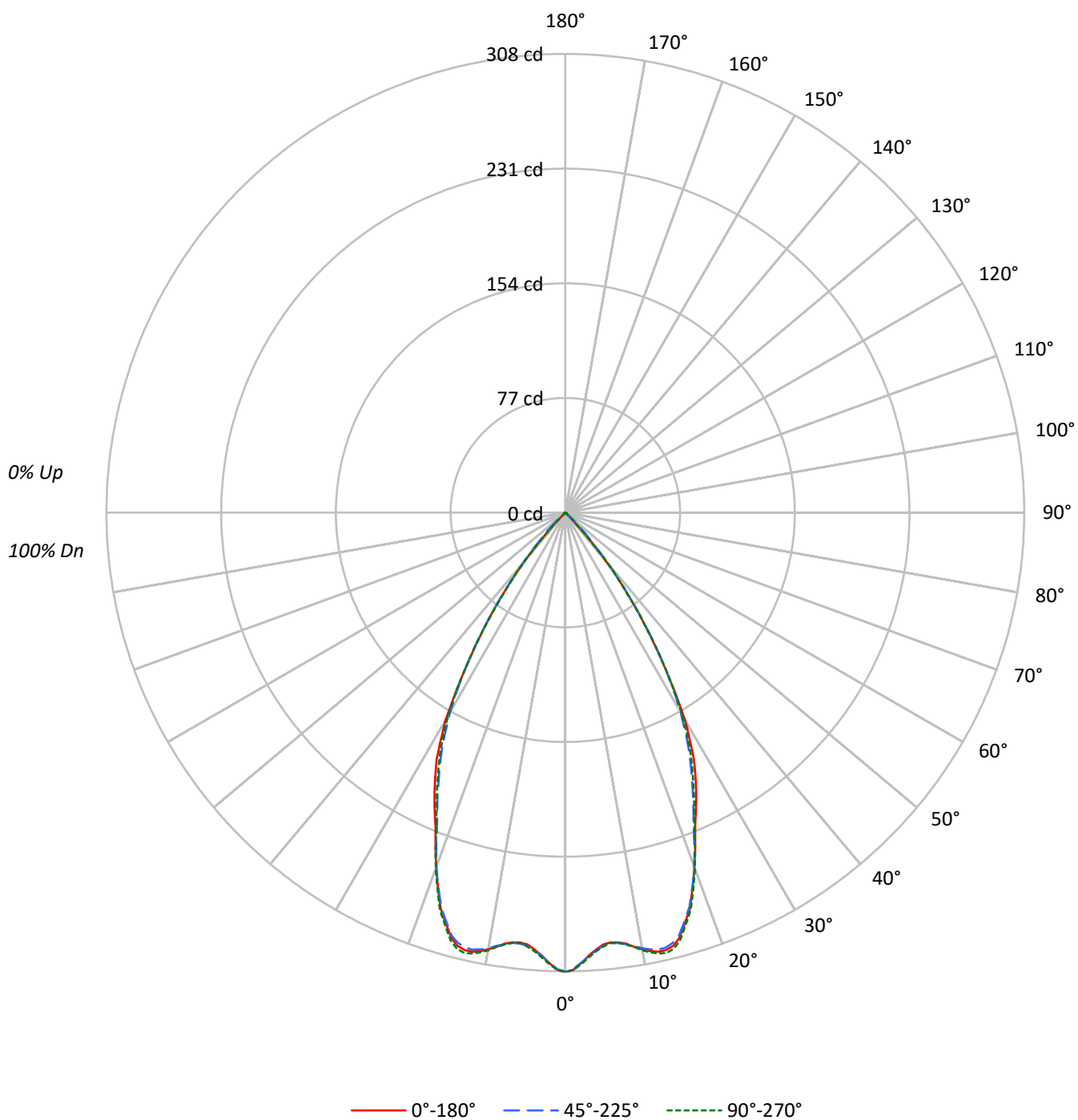
Lumens per Lamp: N/A
Luminaire Lumens: 275.0 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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: P1305497

CATALOG NUMBER: P3SQASS02R609024DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1305497

CATALOG NUMBER: P3SQASS02R609024DE010 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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	108	106	111	109	107	105	105	103	101		101	100	98		98	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86		90	87	84		88	85	83	82
4	98	90	85	81	96	89	84	80	87	83	79		85	81	79		83	80	78	76
5	93	85	79	75	91	84	79	75	82	77	74		80	76	73		79	75	73	71
6	88	80	74	70	87	79	73	69	77	73	69		76	72	68		75	71	68	67
7	84	75	69	65	83	74	69	65	73	68	64		72	67	64		71	67	64	62
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67	63	60	59
9	76	67	61	57	75	66	61	57	65	60	57		65	60	57		64	60	56	55
10	73	63	58	54	72	63	57	54	62	57	54		61	57	53		61	56	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	53096	53096	53096
5°	50326	50481	50550
10°	52079	51922	52184
15°	52705	52473	53008
20°	46405	46369	46607
25°	39488	38347	38670
30°	31878	30765	31282
35°	20184	20352	20120
40°	9442	9825	9577
45°	585	3459	682
50°	295	804	295
55°	330	330	330
60°	310	310	310
65°	245	367	245
70°	302	302	302
75°	266	266	266
80°	198	198	198
85°	395	395	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3459 cd/sqm

TEST NUMBER: P1305497

CATALOG NUMBER: P3SQASS02R609024DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.1	10.2
10°-20°	80.9	29.4
20°-30°	93.3	33.9
30°-40°	59.9	21.8
40°-50°	10.4	3.8
50°-60°	1.0	0.4
60°-70°	0.8	0.3
70°-80°	0.4	0.2
80°-90°	0.1	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°	202.3	73.6
0°-40°	262.2	95.4
0°-60°	273.7	99.5
0°-90°	275.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	275.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	308	308	308	308	308	
5°	291	292	292	293	292	28
15°	296	294	294	296	297	81
25°	208	206	202	202	204	95
35°	96	95	97	95	96	60
45°	2	7	14	8	3	8
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1305497

CATALOG NUMBER: P3SQASS02R609024DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	308.3	308.3	308.3	308.3	308.3
1°	307.0	306.8	306.6	306.8	307.0
2°	302.7	302.5	302.3	303.2	303.6
3°	298.0	298.2	298.4	298.8	299.1
4°	294.1	294.5	294.8	295.2	295.4
5°	291.1	291.7	292.0	292.6	292.4
6°	290.2	290.7	290.9	291.1	290.7
7°	290.7	290.9	291.1	291.5	291.1
8°	292.2	292.4	292.6	292.8	292.8
9°	295.2	294.8	294.5	295.4	295.2
10°	297.8	297.1	296.9	298.2	298.4
11°	299.9	299.1	298.8	300.4	300.8
12°	301.4	300.1	299.9	301.9	302.7
13°	301.4	299.7	299.7	301.9	303.2
14°	299.7	297.8	297.8	300.1	301.6
15°	295.6	294.5	294.3	296.3	297.3
17.5°	278.4	277.1	277.3	279.5	279.7
20°	253.2	252.6	253.0	253.5	254.3
22.5°	227.6	227.2	224.8	225.5	225.9
25°	207.8	205.5	201.8	202.0	203.5
27.5°	187.0	184.6	179.4	180.5	182.0
30°	160.3	158.4	154.7	155.3	157.3
32.5°	125.9	129.7	126.3	127.4	126.7
35°	96.0	95.3	96.8	94.9	95.7
37.5°	67.6	67.8	68.4	66.7	66.7
40°	42.0	43.0	43.7	42.8	42.6
42.5°	17.6	24.1	25.4	24.1	17.9
45°	2.4	7.1	14.2	8.4	2.8
47.5°	1.1	1.5	7.5	1.5	1.1
50°	1.1	1.1	3.0	1.1	1.1
52.5°	1.1	1.1	1.1	1.1	1.1
55°	1.1	1.1	1.1	1.1	1.1
57.5°	1.1	1.1	1.1	1.1	1.1
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.6	0.9	0.9	0.9	0.6
67.5°	0.6	0.6	0.6	0.6	0.6
70°	0.6	0.6	0.6	0.6	0.6
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.2	0.2	0.2	0.2	0.2
82.5°	0.2	0.2	0.2	0.2	0.2
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1305497

CATALOG NUMBER: P3SQASS02R609024DE010 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)