

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: P1307747

Luminaire Tested: P3SQAS05R609030DE010 E3SQCA301MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307747
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R609030DE010 E3SQCA301MB
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , E3SQCA301MB TRIM
Light Source: -
Ballast/Driver: -

Summary

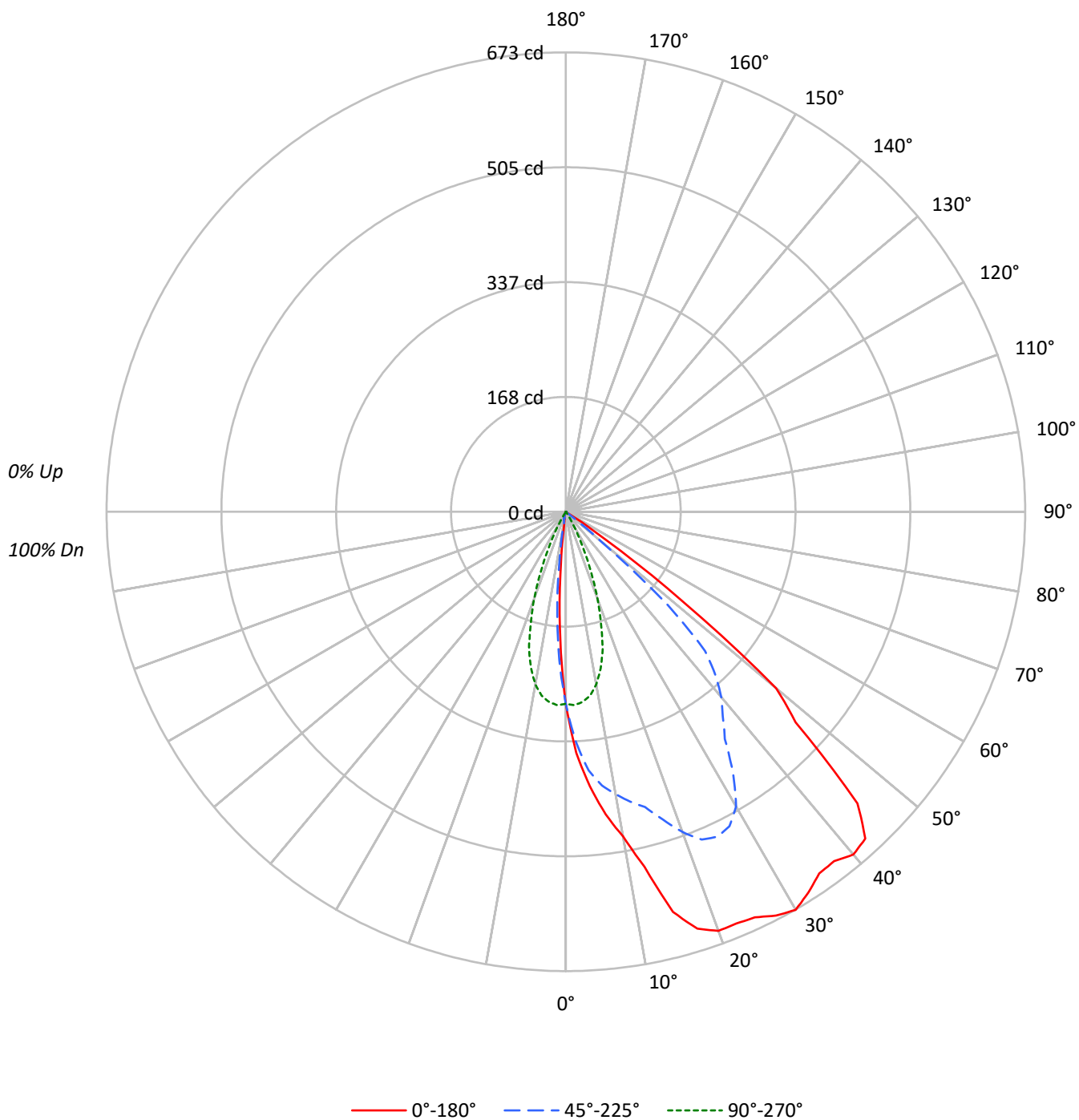
Lumens per Lamp: N/A
Luminaire Lumens: 457.0 lumens
Efficiency: N/A
Efficacy: 63.5 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1307747

CATALOG NUMBER: P3SQAS05R609030DE010 E3SQCA301MB

Luminous Intensity Polar Plot



TEST NUMBER: P1307747

CATALOG NUMBER: P3SQAS05R609030DE010 E3SQCA301MB

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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74		
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60		
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	48429	48429	48429	48429	48429
5°	69809	65729	48355	24912	16009
10°	84432	73502	44892	2973	1749
15°	108209	79842	37193	1961	1605
20°	119752	91509	24944	1100	183
25°	124543	99821	12257	95	0
30°	133916	99194	3381	0	0
35°	136008	85423	0	0	0
40°	147347	79631	0	0	0
45°	147207	70316	0	0	0
50°	107789	17014	0	0	0
55°	21018	0	0	0	0
60°	0	0	0	0	0
65°	0	204	204	0	0
70°	0	252	252	0	0
75°	0	333	333	0	0
80°	0	496	496	496	0
85°	0	988	988	988	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 147451 cd/sqm

TEST NUMBER: P1307747

CATALOG NUMBER: P3SQAS05R609030DE010 E3SQCA301MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.1	5.3
10°-20°	68.8	15.0
20°-30°	109.6	24.0
30°-40°	126.7	27.7
40°-50°	100.6	22.0
50°-60°	26.5	5.8
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.3	0.1
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°	202.5	44.3
0°-40°	329.2	72.0
0°-60°	456.2	99.8
0°-90°	457.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	457.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	281	281	281	281	281	
5°	404	380	280	144	93	41
15°	607	448	209	11	9	169
25°	655	525	64	0	0	306
35°	647	406	0	0	0	411
45°	604	289	0	0	0	430
55°	70	0	0	0	0	106
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1307747

CATALOG NUMBER: P3SQAS05R609030DE010 E3SQCA301MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	281.2	281.2	281.2	281.2	281.2	281.2	281.2	281.2	281.2	281.2	281.2
2.5°	353.7	357.2	355.7	354.2	350.7	349.2	349.2	345.2	338.7	337.7	333.2
5°	403.8	404.8	404.8	403.8	401.3	397.2	396.2	392.2	386.2	380.2	374.2
7.5°	447.3	446.8	443.8	441.8	437.3	431.8	426.8	421.3	412.3	404.3	395.7
10°	482.8	484.3	481.8	476.8	470.8	463.3	455.3	445.8	432.3	420.3	409.3
12.5°	532.8	532.3	525.8	517.3	502.8	488.8	476.3	465.8	449.3	434.8	421.3
15°	606.9	605.9	599.9	592.4	571.4	550.3	528.8	499.3	471.8	447.8	428.8
17.5°	640.4	642.4	637.4	633.4	621.4	607.4	588.4	558.8	516.3	472.8	432.8
20°	653.4	655.9	652.4	651.9	646.4	639.9	624.4	592.4	550.8	499.3	449.8
22.5°	652.9	654.9	653.4	659.9	666.4	662.9	643.9	611.9	569.4	519.8	463.8
25°	655.4	653.9	648.4	657.9	667.4	664.4	654.9	627.4	580.9	525.3	468.8
27.5°	666.9	655.9	644.9	656.9	661.4	662.4	656.9	624.4	578.9	519.3	458.8
30°	673.4	661.4	652.4	662.4	662.4	667.9	656.4	619.4	561.9	498.8	432.3
32.5°	661.4	658.9	666.9	676.9	679.4	679.4	653.9	602.9	533.3	456.8	389.7
35°	646.9	652.9	675.9	680.4	680.4	669.4	638.4	573.9	490.8	406.3	358.2
37.5°	645.4	654.9	680.4	674.9	665.9	645.4	600.4	523.3	430.3	377.7	334.7
40°	655.4	664.4	679.4	659.4	637.9	605.9	551.8	457.3	393.7	354.2	306.2
42.5°	649.4	657.9	658.4	628.9	598.4	554.8	483.3	403.8	367.2	324.2	273.7
45°	604.4	605.4	603.4	571.9	540.3	495.3	419.3	377.2	338.2	288.7	201.1
47.5°	456.8	454.8	462.3	453.3	454.8	427.8	380.7	346.2	299.7	202.6	61.0
50°	402.3	399.7	392.2	384.2	376.2	363.2	341.2	304.2	216.1	63.5	2.0
52.5°	215.6	227.6	251.2	287.2	300.7	299.7	283.2	225.1	68.0	0.5	0.0
55°	70.0	69.0	77.0	91.1	125.1	144.1	150.1	76.5	1.5	0.0	0.0
57.5°	0.0	0.0	0.0	1.5	5.0	13.0	17.0	1.0	0.0	0.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1307747

CATALOG NUMBER: P3SQAS05R609030DE010 E3SQCA301MB

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	281.2	281.2	281.2	281.2	281.2	281.2	281.2	281.2
2.5°	327.2	320.2	312.2	283.7	250.2	217.6	194.1	188.1
5°	364.7	352.7	335.7	279.7	206.6	144.1	103.1	92.6
7.5°	384.2	373.7	355.7	271.7	160.1	71.0	26.5	18.0
10°	396.2	383.7	363.7	256.7	104.6	17.0	9.5	10.0
12.5°	404.8	390.2	367.7	235.1	53.0	8.5	12.0	12.5
15°	408.3	392.7	367.2	208.6	19.0	11.0	10.5	9.0
17.5°	406.3	386.7	360.7	170.6	6.5	10.5	5.5	4.5
20°	403.8	381.7	350.2	136.1	5.5	6.0	2.0	1.0
22.5°	411.8	373.2	335.7	97.6	5.5	2.0	0.0	0.0
25°	412.8	369.7	317.2	64.5	2.5	0.5	0.0	0.0
27.5°	402.8	349.2	288.7	38.0	0.0	0.0	0.0	0.0
30°	370.7	323.7	258.2	17.0	0.0	0.0	0.0	0.0
32.5°	339.2	295.2	224.1	4.0	0.0	0.0	0.0	0.0
35°	314.2	265.7	186.6	0.0	0.0	0.0	0.0	0.0
37.5°	283.2	230.6	139.1	0.0	0.0	0.0	0.0	0.0
40°	250.7	186.1	69.5	0.0	0.0	0.0	0.0	0.0
42.5°	195.6	88.6	7.0	0.0	0.0	0.0	0.0	0.0
45°	75.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
65°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0
67.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
70°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
72.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
75°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
77.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.0	0.0	0.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)