

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: P1317789

Luminaire Tested: P3SQAS05R709835DE010 E3SQCLDWW1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317789
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: P3SQAS05R709835DE010 E3SQCLDWW1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , E3SQCLDWW1MMS TR
Light Source: -
Ballast/Driver: -

Summary

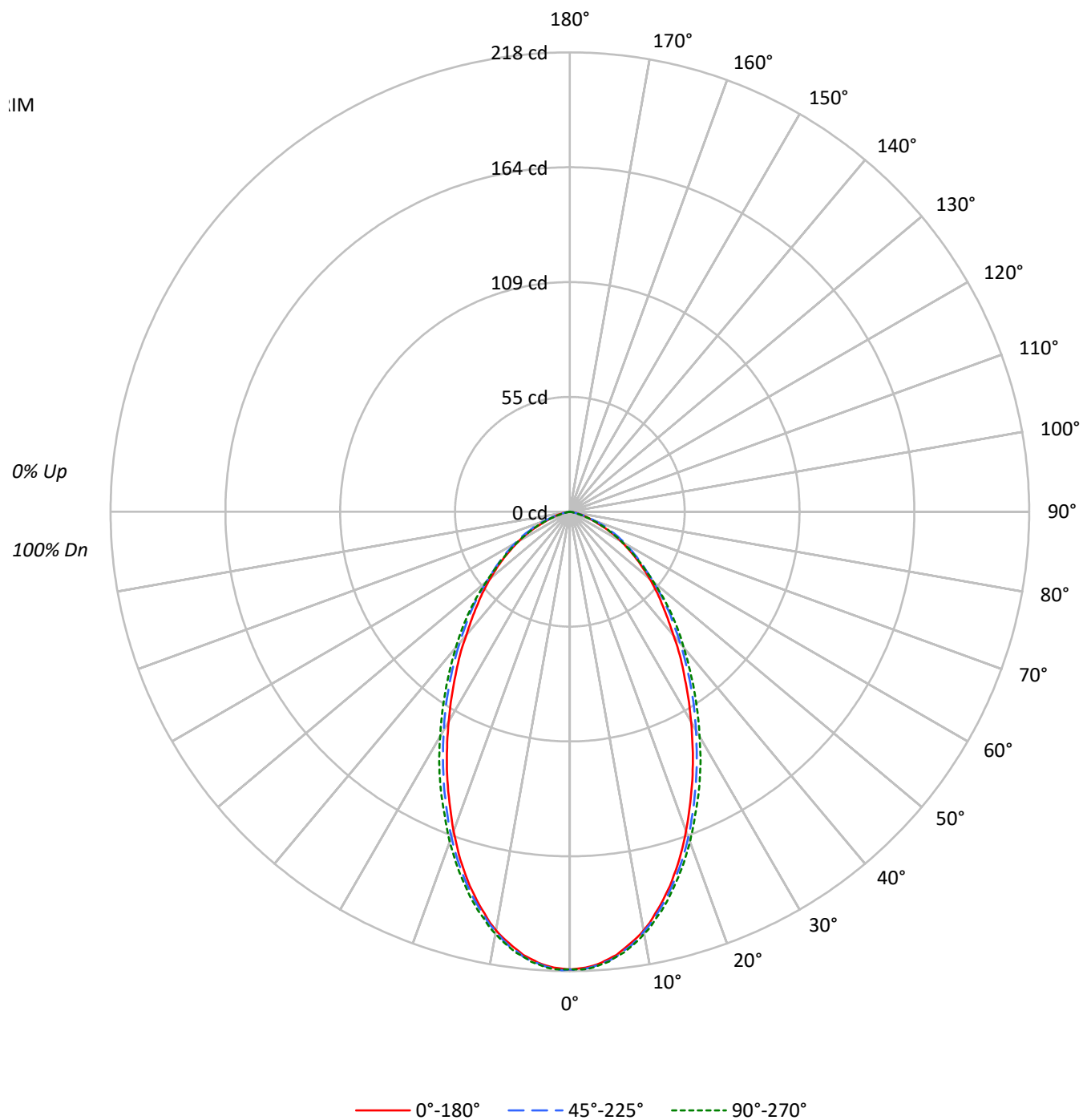
Lumens per Lamp: N/A
Luminaire Lumens: 311.0 lumens
Efficiency: N/A
Efficacy: 43.2 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1317789

CATALOG NUMBER: P3SQAS05R709835DE010 E3SQCLDWW1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1317789

CATALOG NUMBER: P3SQAS05R709835DE010 E3SQCLDWW1MMS

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	101	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°	37407	37407	37407
5°	36824	36962	37031
10°	35291	35361	35570
15°	32753	33021	33306
20°	29562	30130	30552
25°	26186	26908	27573
30°	22870	23784	24480
35°	19868	20940	21571
40°	17176	18300	18907
45°	15028	16075	16538
50°	13236	13852	13852
55°	11470	12040	11710
60°	9713	10368	9851
65°	7539	8639	7865
70°	5438	6395	5438
75°	4126	3859	3061
80°	2678	1884	793
85°	790	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 16538 cd/sqm

TEST NUMBER: P1317789

CATALOG NUMBER: P3SQAS05R709835DE010 E3SQCLDWW1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.0	6.4
10°-20°	51.7	16.6
20°-30°	64.9	20.9
30°-40°	62.0	19.9
40°-50°	50.4	16.2
50°-60°	35.3	11.3
60°-70°	19.9	6.4
70°-80°	6.3	2.0
80°-90°	0.5	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°	136.6	43.9
0°-40°	198.6	63.9
0°-60°	284.3	91.4
0°-90°	311.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	311.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	217	217	217	217	217	
5°	213	213	214	213	214	20
15°	184	184	185	186	187	51
25°	138	139	142	144	145	63
35°	94	96	100	102	103	59
45°	62	63	66	67	68	48
55°	38	39	40	39	39	34
65°	18	20	21	20	19	19
75°	6	6	6	5	5	7
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1317789

CATALOG NUMBER: P3SQAS05R709835DE010 E3SQCLDWW1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	217.2	217.2	217.2	217.2	217.2
1°	216.9	217.2	217.6	216.9	217.2
2°	216.5	216.9	216.9	216.5	217.2
3°	215.7	216.1	216.1	215.7	216.5
4°	214.5	214.9	214.9	214.5	215.3
5°	213.0	213.4	213.8	213.4	214.2
6°	211.5	211.8	212.2	211.8	212.2
7°	209.1	209.9	209.9	209.9	210.7
8°	206.8	207.6	208.0	207.6	208.4
9°	204.5	204.9	205.3	205.3	206.1
10°	201.8	202.2	202.2	202.6	203.4
11°	198.7	198.7	199.5	199.5	200.6
12°	194.9	195.2	196.0	196.4	197.2
13°	191.4	191.8	192.5	192.9	194.1
14°	187.5	188.3	189.1	189.5	190.6
15°	183.7	184.1	185.2	185.6	186.8
17.5°	172.9	173.3	175.2	176.0	177.1
20°	161.3	162.4	164.4	165.5	166.7
22.5°	149.3	150.5	152.8	154.7	155.5
25°	137.8	139.3	141.6	143.9	145.1
27.5°	126.2	127.7	130.4	132.7	134.3
30°	115.0	116.5	119.6	121.5	123.1
32.5°	104.6	106.1	109.6	111.5	112.7
35°	94.5	96.1	99.6	101.5	102.6
37.5°	85.7	87.2	90.3	92.2	93.0
40°	76.4	78.3	81.4	83.3	84.1
42.5°	68.7	70.2	73.3	74.9	76.0
45°	61.7	63.3	66.0	67.1	67.9
47.5°	55.6	56.3	58.7	59.0	59.8
50°	49.4	50.2	51.7	52.1	51.7
52.5°	43.6	44.4	45.5	45.1	45.1
55°	38.2	38.6	40.1	39.4	39.0
57.5°	32.8	33.6	35.1	34.0	33.6
60°	28.2	28.9	30.1	29.3	28.6
62.5°	23.5	23.9	25.9	24.3	23.5
65°	18.5	19.7	21.2	20.1	19.3
67.5°	13.9	15.8	17.4	15.8	15.0
70°	10.8	11.6	12.7	12.0	10.8
72.5°	8.1	8.5	8.9	8.1	7.3
75°	6.2	6.2	5.8	5.0	4.6
77.5°	4.2	4.2	3.5	2.3	2.3
80°	2.7	2.7	1.9	0.8	0.8
82.5°	1.2	1.2	0.8	0.4	0.4
85°	0.4	0.4	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1317789

CATALOG NUMBER: P3SQAS05R709835DE010 E3SQCLDWW1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)