

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: P1307599

Luminaire Tested: P3SQAS02R709030DE010 E3SQCD1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307599
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R709030DE010 E3SQCD1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3SQCD1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

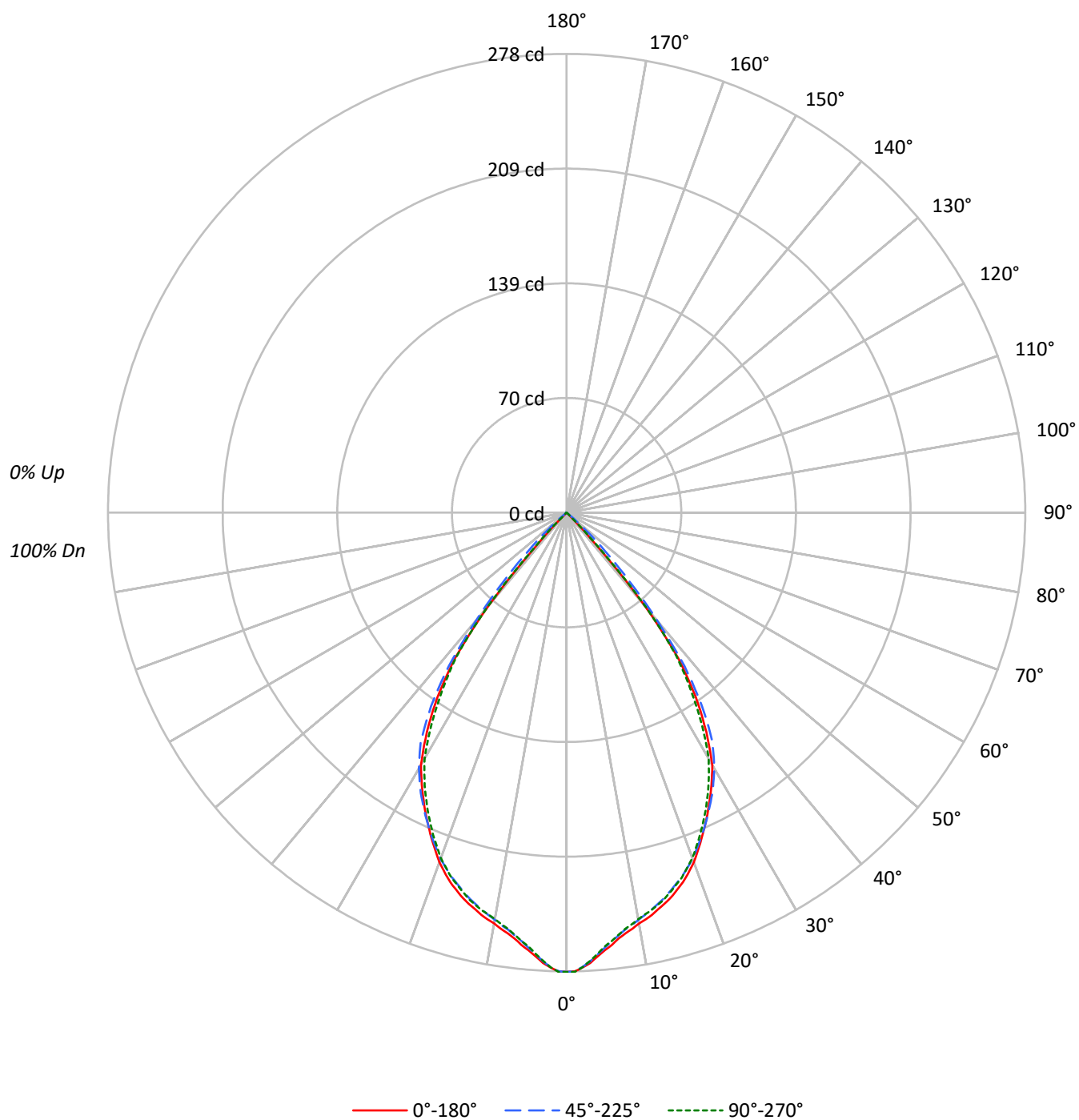
Lumens per Lamp: N/A
Luminaire Lumens: 288.0 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1307599

CATALOG NUMBER: P3SQAS02R709030DE010 E3SQCD1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1307599

CATALOG NUMBER: P3SQAS02R709030DE010 E3SQCD1MMS

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	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97	96	95	93
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92	90	88	86
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87	84	81	80
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81	78	75	74
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77	73	70	68
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72	68	65	63
7	82	72	66	62	80	71	66	61	70	65	61		69	64	61		68	64	60	59
8	78	68	61	57	76	67	61	57	66	61	57		65	60	57		64	60	56	55
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60	56	53	51
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		57	52	49	48

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	47947	47947	47947
5°	46021	45761	45640
10°	44210	43825	43737
15°	43166	42560	42649
20°	41329	40925	40834
25°	38366	38461	37853
30°	35120	35597	34245
35°	28719	30107	27605
40°	16547	19267	16974
45°	244	8013	828
50°	0	857	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 8013 cd/sqm

TEST NUMBER: P1307599

CATALOG NUMBER: P3SQAS02R709030DE010 E3SQCD1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.8	8.6
10°-20°	67.3	23.4
20°-30°	92.4	32.1
30°-40°	83.8	29.1
40°-50°	19.5	6.8
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	184.6	64.1
0°-40°	268.4	93.2
0°-60°	288.0	100.0
0°-90°	288.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	288.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	278	278	278	278	278	
5°	266	266	265	264	264	25
15°	242	240	239	239	239	68
25°	202	203	202	200	199	93
35°	137	139	143	137	131	82
45°	1	11	33	14	3	12
55°	0	0	0	0	0	0
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: P1307599

CATALOG NUMBER: P3SQAS02R709030DE010 E3SQCD1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	278.4	278.4	278.4	278.4	278.4
1°	278.1	277.6	277.9	278.1	278.4
2°	275.9	275.5	275.5	275.7	275.7
3°	273.3	272.3	272.3	272.0	272.0
4°	269.6	268.9	268.4	268.1	268.1
5°	266.2	265.5	264.7	264.3	264.0
6°	263.3	262.1	261.1	260.8	261.1
7°	259.9	259.1	258.2	257.4	257.7
8°	257.4	256.5	255.2	254.8	254.8
9°	255.2	254.3	253.0	252.1	252.6
10°	252.8	251.8	250.6	249.9	250.1
11°	251.1	249.9	248.4	247.9	248.2
12°	249.2	247.7	246.2	246.0	246.5
13°	246.7	245.3	243.8	243.8	244.3
14°	244.5	242.8	241.4	241.4	242.1
15°	242.1	240.4	238.7	238.7	239.2
17.5°	234.8	233.3	231.6	231.6	231.9
20°	225.5	224.8	223.3	222.6	222.8
22.5°	213.8	213.8	213.1	211.9	211.4
25°	201.9	202.9	202.4	200.4	199.2
27.5°	189.5	191.2	191.4	188.5	186.3
30°	176.6	178.0	179.0	175.6	172.2
32.5°	157.6	162.0	164.4	159.8	152.7
35°	136.6	138.6	143.2	137.1	131.3
37.5°	111.1	113.5	117.4	112.5	109.1
40°	73.6	83.3	85.7	83.3	75.5
42.5°	26.5	46.8	56.3	47.7	31.2
45°	1.0	11.0	32.9	14.1	3.4
47.5°	0.0	0.2	14.9	0.5	0.0
50°	0.0	0.0	3.2	0.0	0.0
52.5°	0.0	0.0	0.2	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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: P1307599

CATALOG NUMBER: P3SQAS02R709030DE010 E3SQCD1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)