

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: P1316765

Luminaire Tested: P3SQAS02R709830DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316765
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS02R709830DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

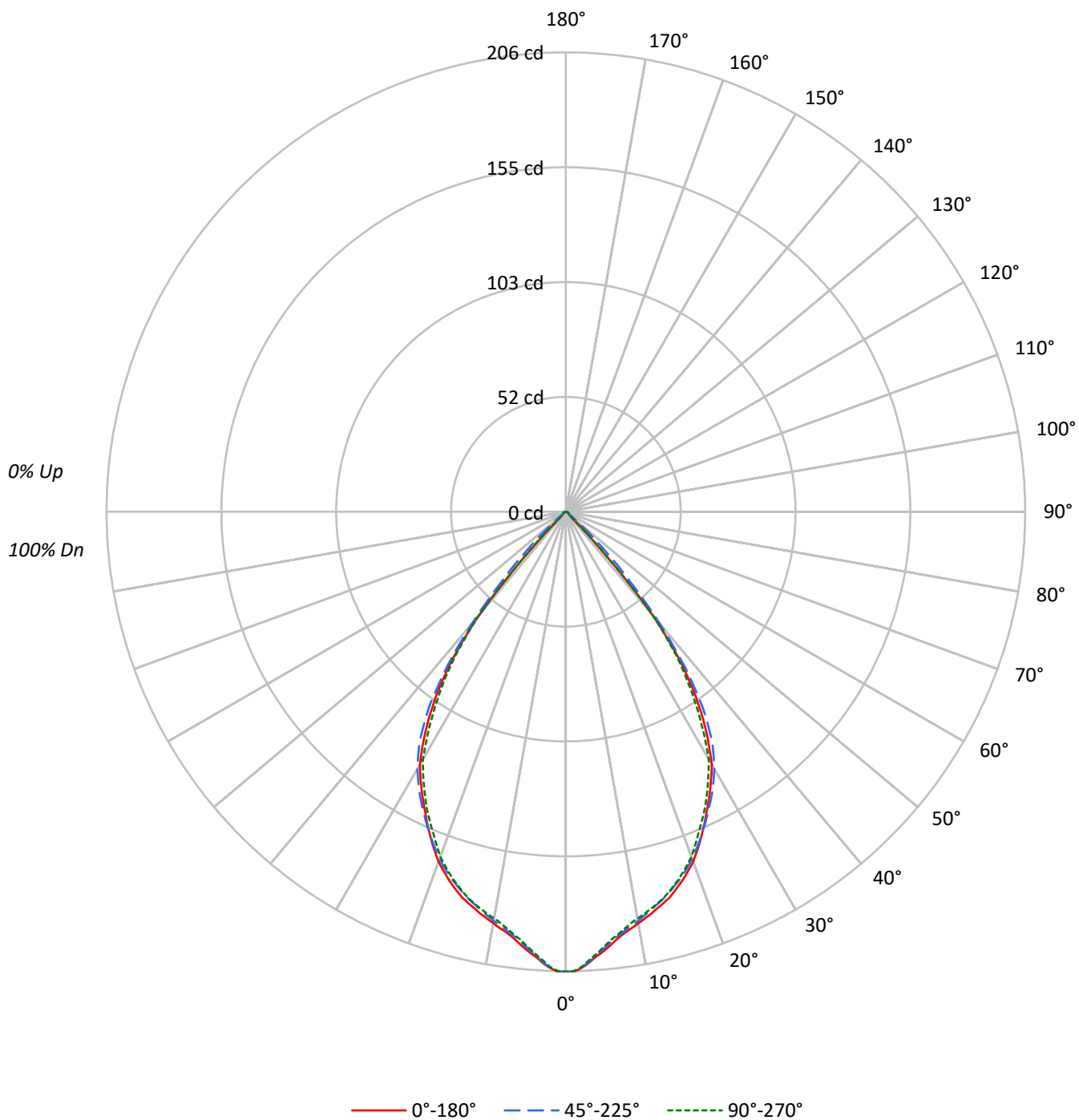
Lumens per Lamp: N/A
Luminaire Lumens: 220.0 lumens
Efficiency: N/A
Efficacy: 61.1 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1316765

CATALOG NUMBER: P3SQAS02R709830DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1316765

CATALOG NUMBER: P3SQAS02R709830DE010 E3SQCD1MW

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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		81
5	91	82	75	71	89	81	75	71	79	74	70		77	73	69		76
6	86	76	70	65	84	75	69	65	74	69	65		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	62	56	52	72	62	56	52	61	56	52		60	55	51		59
10	69	59	53	48	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	35530	35530	35530
5°	34161	33971	33850
10°	32772	32580	32370
15°	31951	31594	31559
20°	30607	30369	30185
25°	28333	28542	27991
30°	26032	26489	25495
35°	21466	22475	20646
40°	13669	14703	13669
45°	950	6357	1047
50°	429	1286	429
55°	480	480	480
60°	482	482	482
65°	448	530	448
70°	453	554	453
75°	466	466	466
80°	496	496	496
85°	395	790	395

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 6357 cd/sqm

TEST NUMBER: P1316765

CATALOG NUMBER: P3SQAS02R709830DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.4	8.4
10°-20°	49.8	22.7
20°-30°	68.5	31.1
30°-40°	62.8	28.5
40°-50°	16.7	7.6
50°-60°	1.5	0.7
60°-70°	1.2	0.6
70°-80°	0.8	0.4
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°	136.8	62.2
0°-40°	199.5	90.7
0°-60°	217.7	98.9
0°-90°	220.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	220.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	206	206	206	206	206	
5°	198	197	196	196	196	19
15°	179	178	177	177	177	50
25°	149	150	150	148	147	69
35°	102	104	107	102	98	62
45°	4	13	26	14	4	12
55°	2	2	2	2	2	1
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	

TEST NUMBER: P1316765

CATALOG NUMBER: P3SQAS02R709830DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	206.3	206.3	206.3	206.3	206.3
1°	206.3	206.0	206.3	206.3	206.0
2°	204.7	204.4	204.5	204.4	204.2
3°	202.4	201.9	202.0	201.7	201.3
4°	199.7	199.2	199.2	199.0	198.6
5°	197.6	196.7	196.5	196.1	195.8
6°	195.1	194.2	194.0	193.5	193.1
7°	192.6	191.8	191.7	191.0	191.0
8°	190.6	189.7	189.7	188.8	188.8
9°	189.0	187.9	187.9	187.2	186.8
10°	187.4	186.3	186.3	185.4	185.1
11°	185.8	184.9	184.5	184.0	183.8
12°	184.3	183.1	182.7	182.5	182.2
13°	182.5	181.3	180.9	180.8	180.6
14°	180.9	179.3	179.2	178.8	179.0
15°	179.2	177.5	177.2	177.2	177.0
17.5°	173.6	172.5	172.0	171.6	171.3
20°	167.0	166.1	165.7	165.0	164.7
22.5°	158.4	158.2	158.1	157.2	155.7
25°	149.1	149.7	150.2	148.4	147.3
27.5°	140.2	141.6	142.1	140.4	138.0
30°	130.9	132.1	133.2	130.7	128.2
32.5°	117.5	120.5	122.1	119.3	113.5
35°	102.1	103.7	106.9	102.1	98.2
37.5°	84.2	85.1	87.6	84.4	81.7
40°	60.8	63.5	65.4	63.5	60.8
42.5°	27.4	38.3	43.3	40.4	28.6
45°	3.9	13.4	26.1	13.6	4.3
47.5°	1.6	2.1	13.6	2.0	1.6
50°	1.6	1.6	4.8	1.6	1.6
52.5°	1.6	1.6	1.8	1.6	1.6
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.4	1.4	1.6	1.4	1.4
60°	1.4	1.4	1.4	1.4	1.4
62.5°	1.3	1.4	1.4	1.4	1.3
65°	1.1	1.3	1.3	1.3	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	0.9	1.1	1.1	1.1	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.7	0.7	0.7	0.7	0.7
77.5°	0.5	0.7	0.7	0.7	0.5
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.4	0.4	0.4	0.2
87.5°	0.2	0.2	0.2	0.2	0.2



TEST NUMBER: P1316765
CATALOG NUMBER: P3SQAS02R709830DE010 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)