

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: P1306307

Luminaire Tested: P3SQAS20R709024D010 E3SQCLDWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306307
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: P3SQAS20R709024D010 E3SQCLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , E3SQCLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

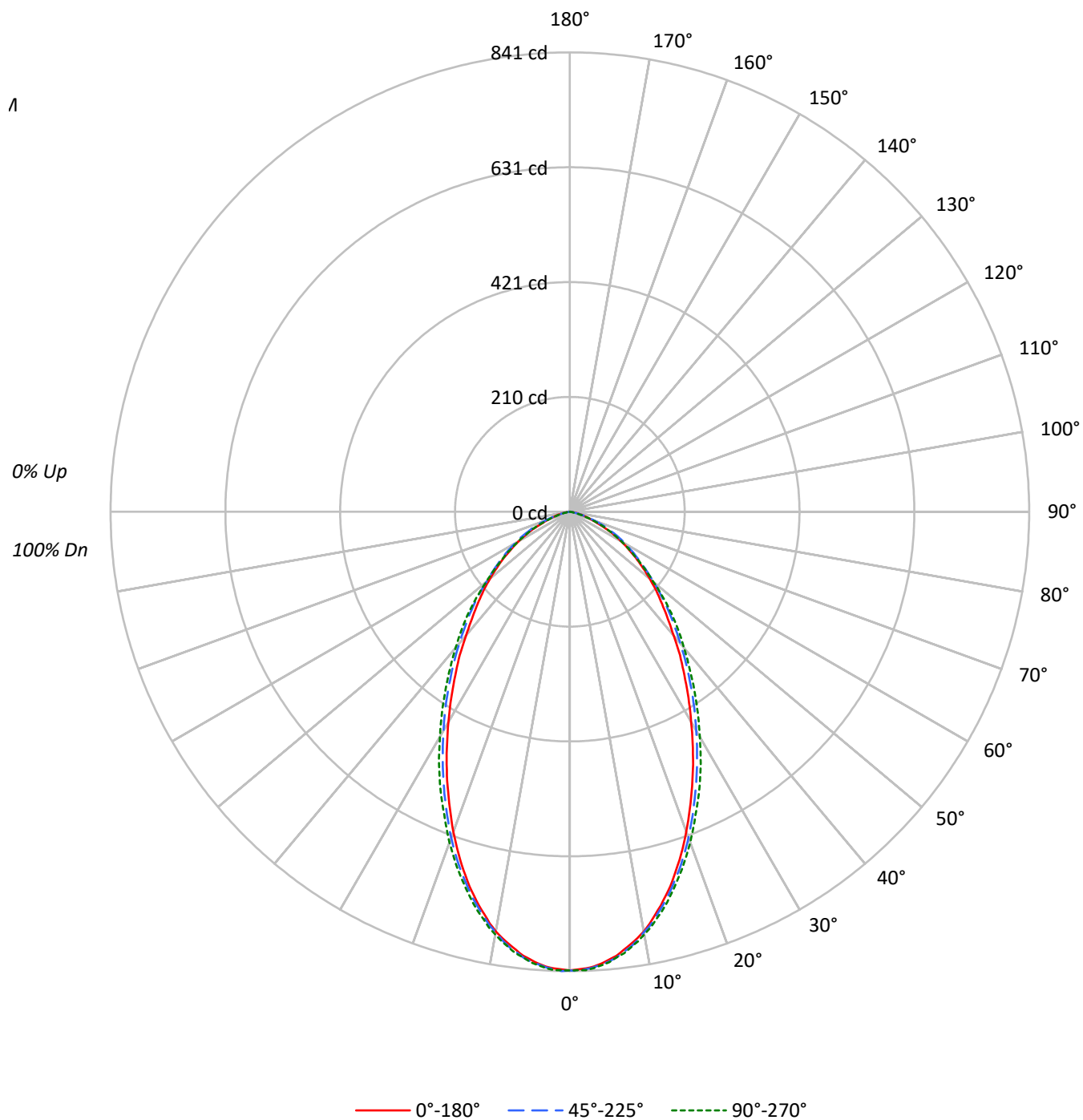
Lumens per Lamp: N/A
Luminaire Lumens: 1202.0 lumens
Efficiency: N/A
Efficacy: 41.7 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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

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Luminous Intensity Polar Plot



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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	102	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°	144598	144598	144598
5°	142315	142834	143093
10°	136406	136668	137438
15°	126574	127626	128695
20°	114254	116435	118084
25°	101170	104002	106548
30°	88376	91936	94600
35°	76824	80902	83404
40°	66390	70751	73089
45°	58113	62108	63934
50°	51148	53533	53533
55°	44319	46570	45219
60°	37510	40059	38027
65°	29178	33416	30401
70°	21048	24774	21048
75°	15903	14905	11911
80°	10315	7438	2975
85°	2964	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 63934 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.4	6.4
10°-20°	199.8	16.6
20°-30°	250.8	20.9
30°-40°	239.6	19.9
40°-50°	194.8	16.2
50°-60°	136.3	11.3
60°-70°	77.0	6.4
70°-80°	24.4	2.0
80°-90°	1.9	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°	528.0	43.9
0°-40°	767.6	63.9
0°-60°	1098.7	91.4
0°-90°	1202.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1202.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	840	840	840	840	840	
5°	823	825	826	825	828	77
15°	710	711	716	717	722	198
25°	532	538	547	556	561	244
35°	365	371	385	392	397	229
45°	239	245	255	260	262	185
55°	148	149	155	152	151	132
65°	72	76	82	78	75	72
75°	24	24	22	19	18	26
85°	2	2	0	0	0	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	839.6	839.6	839.6	839.6	839.6
1°	838.1	839.6	841.1	838.1	839.6
2°	836.6	838.1	838.1	836.6	839.6
3°	833.7	835.2	835.2	833.7	836.6
4°	829.2	830.7	830.7	829.2	832.2
5°	823.2	824.7	826.2	824.7	827.7
6°	817.3	818.7	820.2	818.7	820.2
7°	808.3	811.3	811.3	811.3	814.3
8°	799.4	802.3	803.8	802.3	805.3
9°	790.4	791.9	793.4	793.4	796.4
10°	780.0	781.5	781.5	783.0	785.9
11°	768.0	768.0	771.0	771.0	775.5
12°	753.1	754.6	757.6	759.1	762.1
13°	739.7	741.2	744.2	745.7	750.1
14°	724.8	727.8	730.8	732.2	736.7
15°	709.9	711.4	715.8	717.3	721.8
17.5°	668.1	669.6	677.1	680.1	684.5
20°	623.4	627.9	635.3	639.8	644.3
22.5°	577.2	581.6	590.6	598.0	601.0
25°	532.4	538.4	547.3	556.3	560.7
27.5°	487.7	493.6	504.1	513.0	519.0
30°	444.4	450.4	462.3	469.8	475.7
32.5°	404.2	410.1	423.5	431.0	435.5
35°	365.4	371.3	384.8	392.2	396.7
37.5°	331.1	337.0	349.0	356.4	359.4
40°	295.3	302.7	314.7	322.1	325.1
42.5°	265.5	271.4	283.4	289.3	293.8
45°	238.6	244.6	255.0	259.5	262.5
47.5°	214.8	217.7	226.7	228.2	231.2
50°	190.9	193.9	199.8	201.3	199.8
52.5°	168.5	171.5	176.0	174.5	174.5
55°	147.6	149.1	155.1	152.1	150.6
57.5°	126.8	129.7	135.7	131.2	129.7
60°	108.9	111.9	116.3	113.3	110.4
62.5°	91.0	92.5	99.9	94.0	91.0
65°	71.6	76.1	82.0	77.5	74.6
67.5°	53.7	61.1	67.1	61.1	58.2
70°	41.8	44.7	49.2	46.2	41.8
72.5°	31.3	32.8	34.3	31.3	28.3
75°	23.9	23.9	22.4	19.4	17.9
77.5°	16.4	16.4	13.4	8.9	8.9
80°	10.4	10.4	7.5	3.0	3.0
82.5°	4.5	4.5	3.0	1.5	1.5
85°	1.5	1.5	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)