

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: P1315746

Luminaire Tested: P3SQAS20R709740D010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315746
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R709740D010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

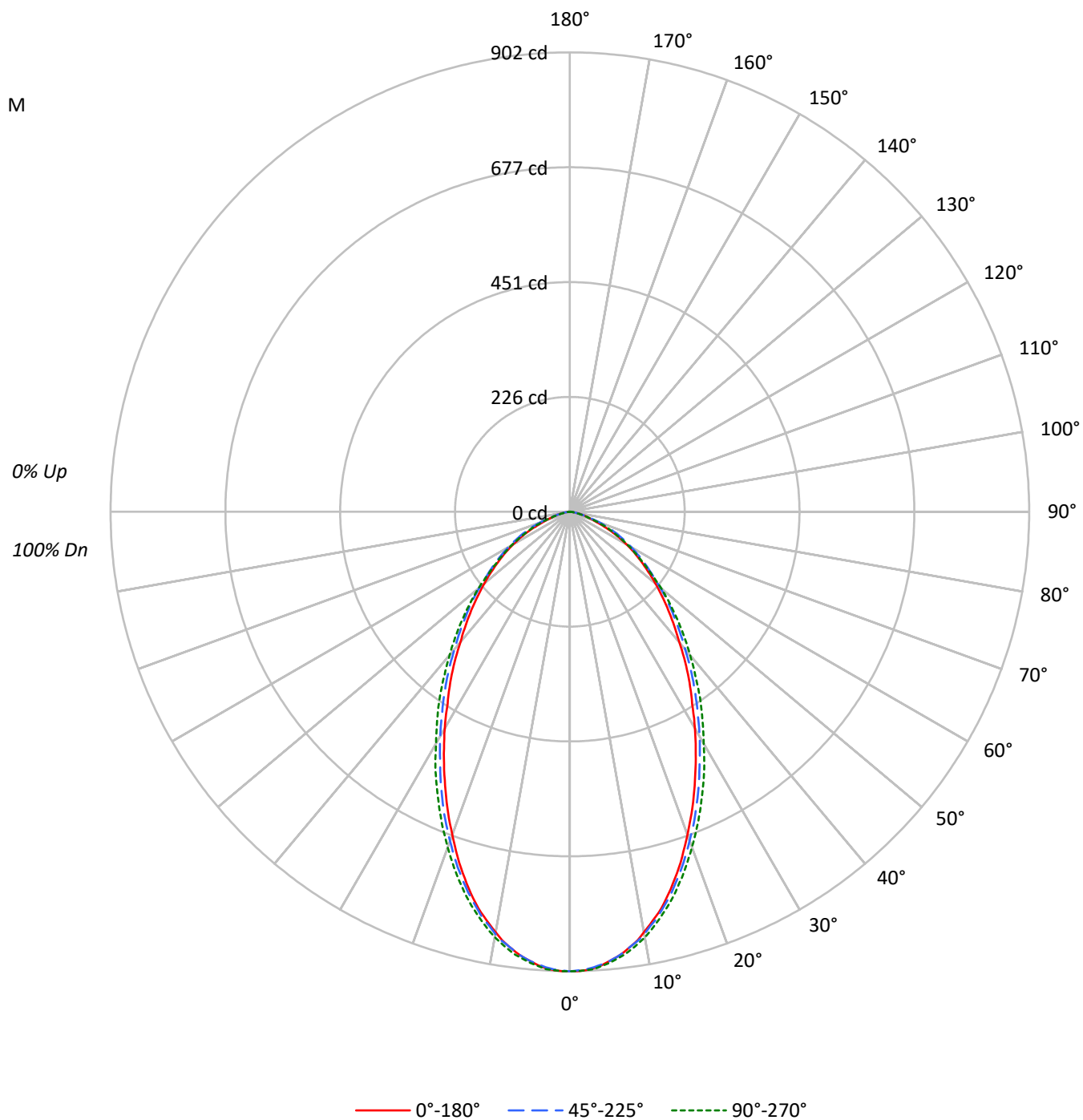
Lumens per Lamp: N/A
Luminaire Lumens: 1355.0 lumens
Efficiency: N/A
Efficacy: 47.0 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	107	104	101	109	105	102	99	101	98	96		97	95	93		94
2	103	96	91	86	101	95	89	85	91	87	83		88	84	81		85
3	95	87	80	75	93	85	79	74	82	77	73		80	75	71		77
4	89	78	71	65	87	77	70	65	75	69	64		73	67	63		71
5	83	71	64	58	81	70	63	58	68	62	57		67	61	57		65
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		60
7	72	60	52	47	70	59	52	47	58	51	47		57	51	46		55
8	68	56	48	43	66	55	48	43	54	47	42		53	47	42		51
9	64	52	44	39	62	51	44	39	50	44	39		49	43	39		48
10	60	48	41	36	59	48	41	36	47	40	36		46	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	155414	155414	155414
5°	153172	153172	153743
10°	146636	147214	148368
15°	136665	137824	139590
20°	123674	126075	128476
25°	110481	113598	116714
30°	97703	101282	104544
35°	86074	89880	93664
40°	75113	79159	82487
45°	66614	70194	72605
50°	58811	61865	62749
55°	51645	54587	53116
60°	44571	47947	45708
65°	35372	41363	37369
70°	25580	32177	28047
75°	19630	20694	17434
80°	12992	12992	9720
85°	6521	6521	6521

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 72605 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.2	6.1
10°-20°	216.0	15.9
20°-30°	274.4	20.3
30°-40°	267.0	19.7
40°-50°	222.0	16.4
50°-60°	160.1	11.8
60°-70°	94.2	7.0
70°-80°	33.4	2.5
80°-90°	4.9	0.4
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°	573.6	42.3
0°-40°	840.5	62.0
0°-60°	1222.6	90.2
0°-90°	1355.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1355.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	902	902	902	902	902	
5°	886	884	886	886	889	83
15°	766	766	773	778	783	214
25°	581	588	598	609	614	267
35°	409	414	428	439	446	256
45°	274	278	288	295	298	212
55°	172	177	182	180	177	154
65°	87	93	102	97	92	86
75°	30	31	31	28	26	32
85°	3	3	3	3	3	5
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	902.4	902.4	902.4	902.4	902.4
1°	902.4	900.8	900.8	900.8	902.4
2°	900.8	899.1	899.1	899.1	900.8
3°	897.5	895.9	895.9	895.9	899.1
4°	892.6	889.3	891.0	891.0	894.2
5°	886.0	884.4	886.0	886.0	889.3
6°	879.5	877.8	879.5	879.5	882.8
7°	871.3	869.7	871.3	872.9	876.2
8°	861.5	859.8	861.5	863.1	868.0
9°	851.6	850.0	853.3	854.9	858.2
10°	838.5	838.5	841.8	843.5	848.4
11°	825.4	825.4	828.7	832.0	836.9
12°	812.3	812.3	817.3	820.5	823.8
13°	799.2	797.6	802.5	805.8	810.7
14°	782.9	781.2	787.8	792.7	797.6
15°	766.5	766.5	773.0	777.9	782.9
17.5°	722.3	723.9	732.1	738.6	743.6
20°	674.8	679.7	687.9	696.1	701.0
22.5°	628.9	632.2	643.6	653.5	658.4
25°	581.4	588.0	597.8	609.3	614.2
27.5°	535.6	542.1	551.9	563.4	571.6
30°	491.3	496.2	509.3	520.8	525.7
32.5°	447.1	453.7	466.8	478.2	484.8
35°	409.4	414.4	427.5	438.9	445.5
37.5°	371.8	376.7	389.8	399.6	404.5
40°	334.1	342.3	352.1	361.9	366.9
42.5°	303.0	309.5	319.4	327.6	332.5
45°	273.5	278.4	288.2	294.8	298.1
47.5°	245.7	250.6	260.4	263.7	265.3
50°	219.5	224.4	230.9	232.6	234.2
52.5°	194.9	198.2	204.7	204.7	203.1
55°	172.0	176.9	181.8	180.2	176.9
57.5°	150.7	152.3	160.5	157.2	154.0
60°	129.4	132.7	139.2	135.9	132.7
62.5°	108.1	111.4	119.6	116.3	111.4
65°	86.8	93.4	101.5	96.6	91.7
67.5°	65.5	73.7	81.9	77.0	73.7
70°	50.8	57.3	63.9	59.0	55.7
72.5°	39.3	42.6	45.9	42.6	39.3
75°	29.5	31.1	31.1	27.8	26.2
77.5°	21.3	22.9	19.7	16.4	16.4
80°	13.1	14.7	13.1	9.8	9.8
82.5°	6.6	8.2	6.6	6.6	6.6
85°	3.3	3.3	3.3	3.3	3.3
87.5°	1.6	1.6	1.6	1.6	1.6



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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)