

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: P1306230

Luminaire Tested: P3SQASS20R309024D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306230
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS20R309024D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

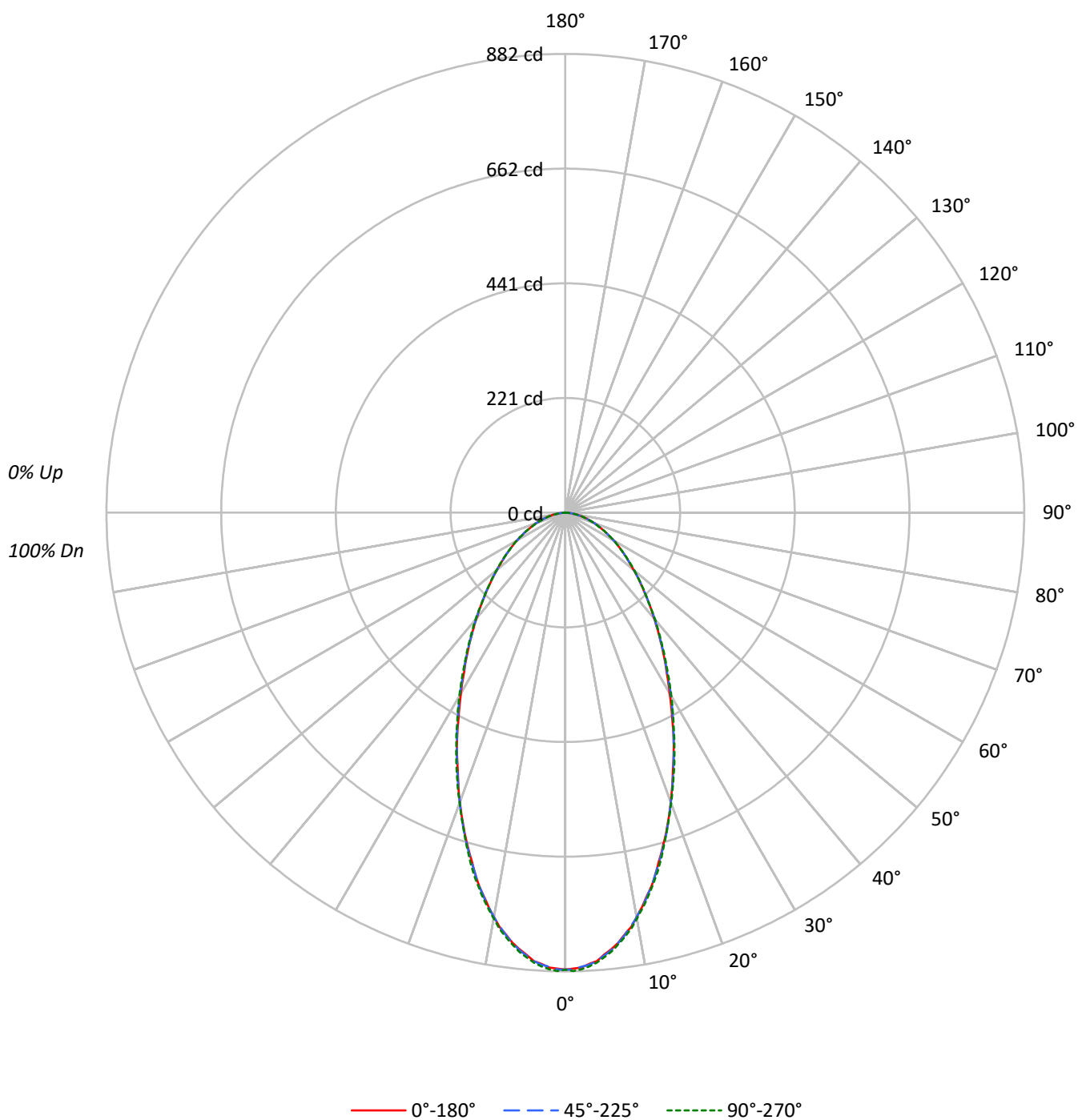
Lumens per Lamp: N/A
Luminaire Lumens: 1128.0 lumens
Efficiency: N/A
Efficacy: 39.2 lumens/watt
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	103	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	90	85	100	94	89	84	91	86	83		87	84	81		85
3	95	86	80	74	93	85	79	74	82	77	72		79	75	71		77
4	89	78	71	65	86	77	70	65	75	69	64		73	67	63		71
5	83	72	64	58	81	71	63	58	69	62	57		67	61	57		65
6	77	66	58	52	76	65	58	52	63	57	52		62	56	51		60
7	72	61	53	48	71	60	53	47	58	52	47		57	51	47		56
8	68	56	49	44	67	56	48	43	54	48	43		53	47	43		52
9	64	52	45	40	63	52	45	40	51	44	40		50	44	40		49
10	61	49	42	37	60	48	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	151298	151298	151298
5°	147554	147830	148366
10°	138067	138067	138609
15°	123792	124078	124916
20°	108664	108664	108957
25°	93702	93702	94291
30°	79745	80680	80978
35°	68897	69213	69549
40°	59645	59982	60342
45°	52073	52438	52438
50°	45977	45977	46406
55°	41226	41226	41226
60°	37097	37097	37097
65°	33049	33049	33049
70°	29860	29860	29860
75°	27016	25951	25951
80°	23208	21621	21621
85°	15413	15413	15413

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 52438 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.5	7.1
10°-20°	194.0	17.2
20°-30°	226.6	20.1
30°-40°	206.1	18.3
40°-50°	166.5	14.8
50°-60°	123.0	10.9
60°-70°	81.0	7.2
70°-80°	41.9	3.7
80°-90°	9.5	0.8
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°	500.1	44.3
0°-40°	706.2	62.6
0°-60°	995.6	88.3
0°-90°	1128.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1128.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	878	878	878	878	878	
5°	854	854	855	855	858	80
15°	694	696	696	696	701	194
25°	493	492	493	493	496	226
35°	328	326	329	329	331	205
45°	214	215	215	215	215	166
55°	137	136	137	136	137	123
65°	81	81	81	81	81	81
75°	41	39	39	39	39	43
85°	8	8	8	8	8	10
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	878.5	878.5	878.5	878.5	878.5
1°	876.9	876.9	878.5	876.9	881.6
2°	875.3	873.8	873.8	873.8	878.5
3°	869.1	869.1	870.7	869.1	873.8
4°	864.4	862.9	864.4	862.9	867.5
5°	853.5	853.5	855.1	855.1	858.2
6°	844.1	844.1	845.7	844.1	848.8
7°	833.2	833.2	833.2	833.2	836.3
8°	819.2	819.2	820.7	820.7	823.9
9°	806.7	805.1	805.1	805.1	809.8
10°	789.5	789.5	789.5	789.5	792.6
11°	772.4	772.4	772.4	772.4	775.5
12°	753.6	753.6	755.2	753.6	758.3
13°	736.5	736.5	736.5	736.5	739.6
14°	716.2	714.6	716.2	716.2	720.9
15°	694.3	695.9	695.9	695.9	700.6
17.5°	644.4	644.4	646.0	642.9	646.0
20°	592.9	591.4	592.9	592.9	594.5
22.5°	539.9	541.4	541.4	541.4	544.6
25°	493.1	491.5	493.1	493.1	496.2
27.5°	444.7	446.3	447.8	446.3	449.4
30°	401.0	404.1	405.7	402.6	407.2
32.5°	362.0	362.0	363.6	365.1	366.7
35°	327.7	326.1	329.2	329.2	330.8
37.5°	294.9	294.9	294.9	296.5	298.0
40°	265.3	265.3	266.8	266.8	268.4
42.5°	238.7	237.2	238.7	238.7	238.7
45°	213.8	215.3	215.3	215.3	215.3
47.5°	191.9	191.9	193.5	191.9	193.5
50°	171.6	171.6	171.6	171.6	173.2
52.5°	152.9	152.9	152.9	152.9	154.5
55°	137.3	135.7	137.3	135.7	137.3
57.5°	121.7	121.7	121.7	121.7	121.7
60°	107.7	106.1	107.7	106.1	107.7
62.5°	93.6	93.6	93.6	93.6	93.6
65°	81.1	81.1	81.1	81.1	81.1
67.5°	70.2	70.2	70.2	68.7	68.7
70°	59.3	59.3	59.3	59.3	59.3
72.5°	49.9	48.4	48.4	48.4	48.4
75°	40.6	39.0	39.0	39.0	39.0
77.5°	31.2	31.2	29.6	29.6	31.2
80°	23.4	21.8	21.8	21.8	21.8
82.5°	14.0	14.0	14.0	14.0	14.0
85°	7.8	7.8	7.8	7.8	7.8
87.5°	1.6	1.6	1.6	3.1	3.1



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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)