

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: P1311763

Luminaire Tested: P3SQAS24R259050D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R259050D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 5000K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

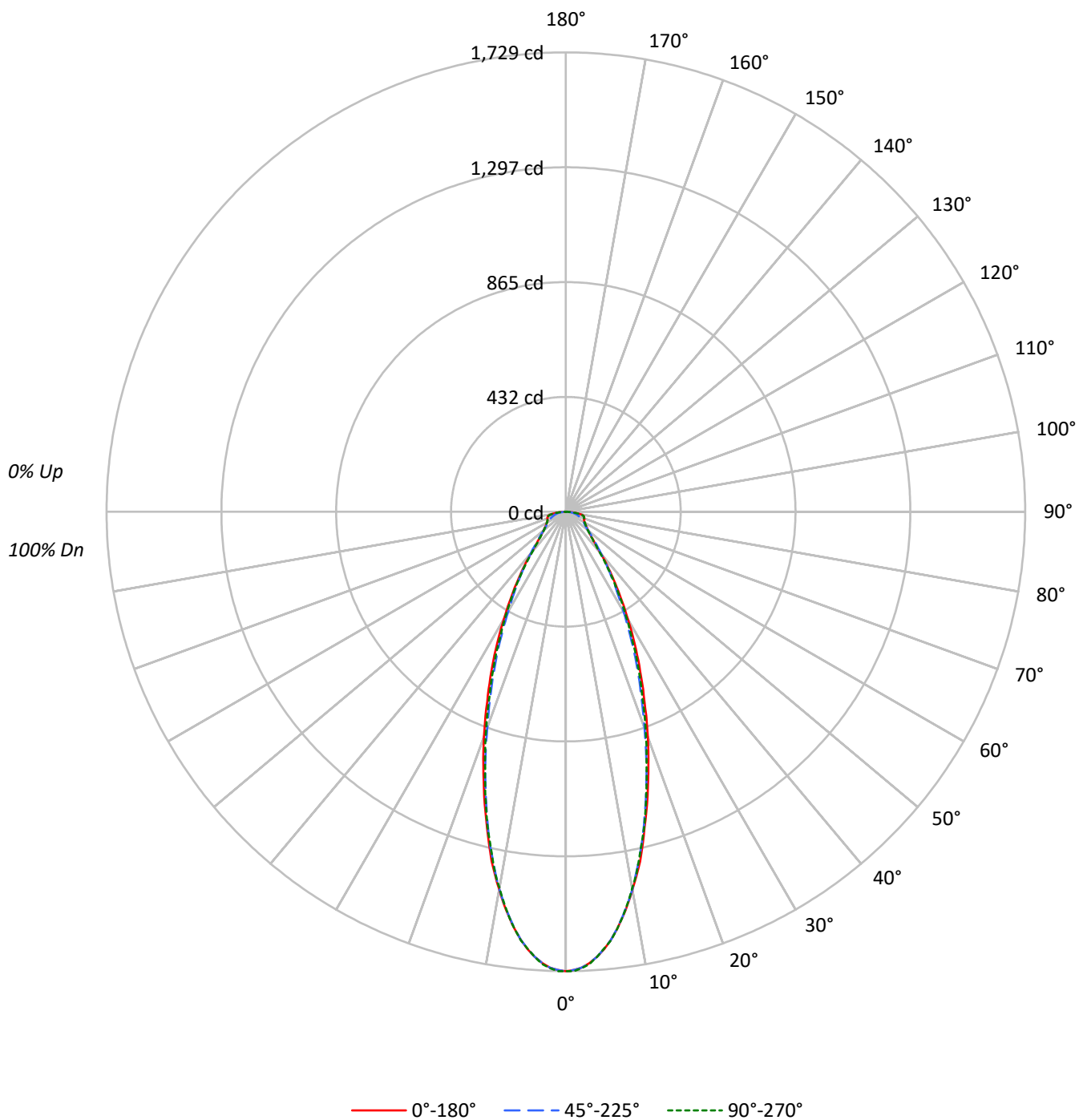
Lumens per Lamp: N/A
Luminaire Lumens: 1306.0 lumens
Efficiency: N/A
Efficacy: 45.3 lumens/watt
Spacing Criteria (0/90/45): 0.65 / 0.64 / 0.68
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1311763

CATALOG NUMBER: P3SQAS24R259050D010 E3SQPHLP1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1311763

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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	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	93	89	85		89	86	83		87
3	98	90	83	78	95	88	82	78	85	80	76		83	79	75		80
4	92	83	76	71	90	81	75	70	79	74	69		77	72	69		75
5	87	77	70	65	85	76	69	64	74	68	64		72	67	63		70
6	82	72	65	60	80	71	64	59	69	63	59		68	62	59		66
7	78	67	60	55	76	66	60	55	65	59	55		64	58	55		62
8	74	63	56	52	72	62	56	52	61	55	51		60	55	51		59
9	70	60	53	49	69	59	53	48	58	52	48		57	52	48		56
10	67	56	50	46	66	56	50	46	55	49	46		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	297807	297807	297807
5°	285754	285391	285391
10°	252613	252246	251529
15°	208609	205667	206772
20°	165278	158460	161117
25°	125874	119204	122339
30°	92751	86168	89867
35°	66374	63347	64209
40°	45459	46403	44065
45°	33684	35681	33173
50°	29312	29312	28749
55°	27894	26633	27894
60°	28417	26316	28417
65°	31134	26896	31134
70°	37413	27040	36356
75°	46712	28813	46712
80°	59309	30746	55243
85°	49006	28455	49006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 59309 cd/sqm

TEST NUMBER: P1311763

CATALOG NUMBER: P3SQAS24R259050D010 E3SQPHLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.9	11.6
10°-20°	320.6	24.6
20°-30°	293.8	22.5
30°-40°	193.8	14.8
40°-50°	112.8	8.6
50°-60°	82.4	6.3
60°-70°	70.0	5.4
70°-80°	57.9	4.4
80°-90°	23.8	1.8
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°	765.3	58.6
0°-40°	959.1	73.4
0°-60°	1154.3	88.4
0°-90°	1306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1306.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1729	1729	1729	1729	1729	
5°	1653	1651	1651	1653	1651	151
15°	1170	1166	1154	1158	1160	324
25°	662	644	627	629	644	304
35°	316	310	301	301	305	200
45°	138	142	146	138	136	112
55°	93	93	89	91	93	84
65°	76	70	66	70	76	76
75°	70	54	43	54	70	73
85°	25	27	14	27	25	28
90°	0	0	0	0	0	

TEST NUMBER: P1311763

CATALOG NUMBER: P3SQAS24R259050D010 E3SQPHLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1729.2	1729.2	1729.2	1729.2	1729.2
1°	1725.1	1725.1	1725.1	1725.1	1729.2
2°	1716.9	1714.8	1716.9	1716.9	1718.9
3°	1700.4	1700.4	1700.4	1700.4	1704.5
4°	1679.7	1679.7	1679.7	1679.7	1679.7
5°	1652.9	1650.8	1650.8	1652.9	1650.8
6°	1619.9	1619.9	1619.9	1619.9	1621.9
7°	1582.7	1580.7	1580.7	1578.6	1582.7
8°	1539.4	1539.4	1537.3	1535.3	1539.4
9°	1494.0	1496.1	1491.9	1489.9	1489.9
10°	1444.5	1442.4	1442.4	1442.4	1438.3
11°	1394.9	1388.8	1386.7	1386.7	1390.8
12°	1345.4	1335.1	1331.0	1331.0	1331.0
13°	1285.6	1281.5	1275.3	1271.1	1273.2
14°	1225.7	1225.7	1215.4	1215.4	1219.5
15°	1170.0	1165.9	1153.5	1157.6	1159.7
17.5°	1031.8	1023.5	1009.1	1009.1	1011.1
20°	901.8	887.3	864.6	874.9	879.1
22.5°	773.8	759.4	736.7	747.0	751.1
25°	662.4	643.8	627.3	629.4	643.8
27.5°	561.3	540.6	524.1	530.3	538.6
30°	466.4	454.0	433.3	443.7	451.9
32.5°	385.9	375.6	361.1	367.3	375.6
35°	315.7	309.5	301.3	301.3	305.4
37.5°	255.9	253.8	249.7	247.6	245.6
40°	202.2	206.4	206.4	202.2	196.0
42.5°	165.1	169.2	173.3	165.1	158.9
45°	138.3	142.4	146.5	138.3	136.2
47.5°	121.7	123.8	125.9	121.7	119.7
50°	109.4	109.4	109.4	107.3	107.3
52.5°	101.1	99.0	97.0	99.0	99.0
55°	92.9	92.9	88.7	90.8	92.9
57.5°	86.7	84.6	82.5	84.6	86.7
60°	82.5	78.4	76.4	78.4	82.5
62.5°	78.4	74.3	70.2	74.3	78.4
65°	76.4	70.2	66.0	70.2	76.4
67.5°	74.3	66.0	59.8	66.0	74.3
70°	74.3	61.9	53.7	61.9	72.2
72.5°	72.2	57.8	49.5	57.8	72.2
75°	70.2	53.7	43.3	53.7	70.2
77.5°	68.1	49.5	37.1	49.5	66.0
80°	59.8	45.4	31.0	45.4	55.7
82.5°	43.3	37.1	24.8	37.1	41.3
85°	24.8	26.8	14.4	26.8	24.8
87.5°	4.1	6.2	4.1	10.3	8.3



TEST NUMBER: P1311763

CATALOG NUMBER: P3SQAS24R259050D010 E3SQPHLP1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)