

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: P1309581

Luminaire Tested: P3SQAS24R309035D010 E3SQPHL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309581
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS24R309035D010 E3SQPHL1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

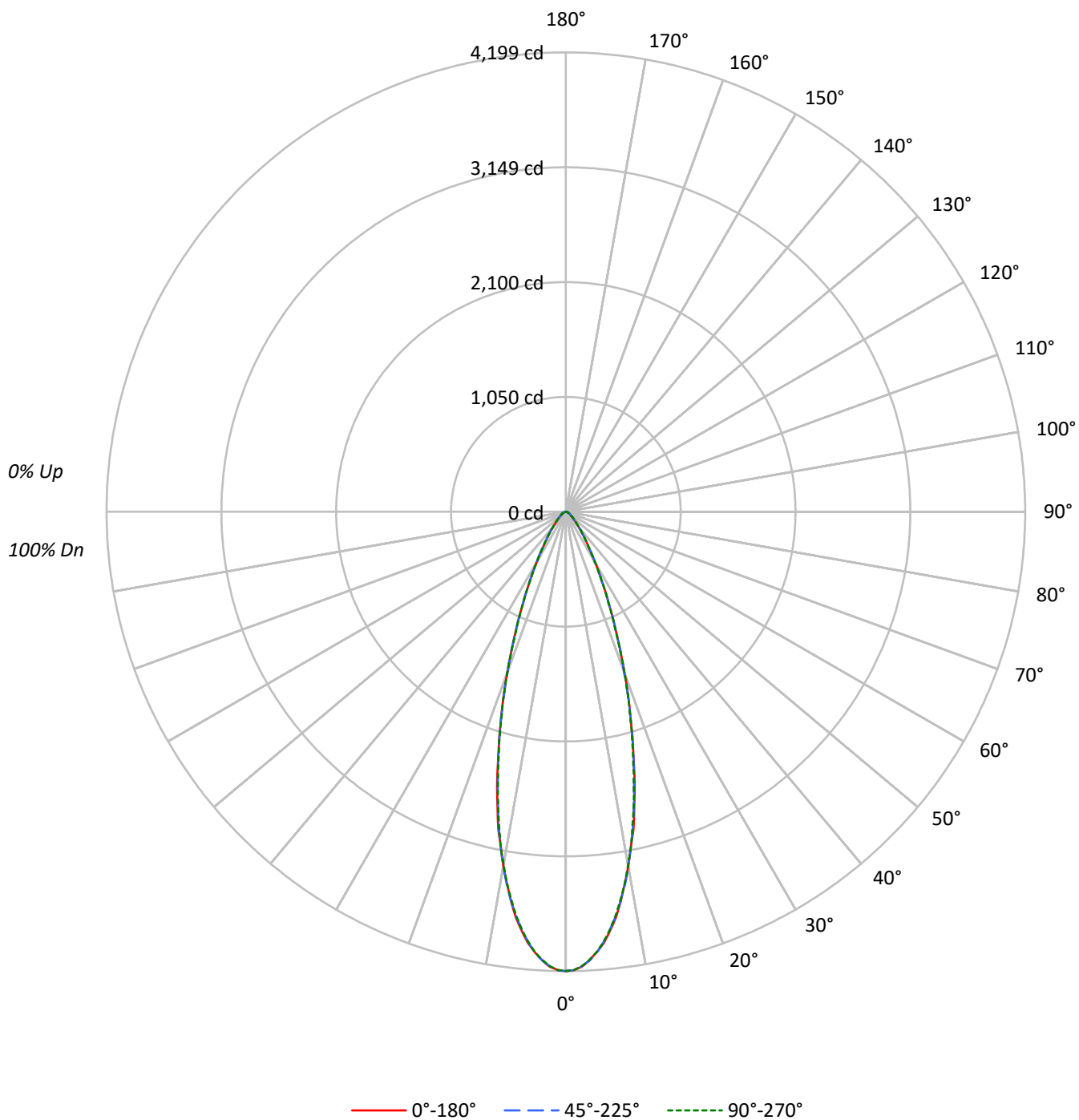
Lumens per Lamp: N/A
Luminaire Lumens: 1844.0 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1309581

CATALOG NUMBER: P3SQAS24R309035D010 E3SQPHL1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1309581

CATALOG NUMBER: P3SQAS24R309035D010 E3SQPHL1MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	106	111	109	107	105	105	103	101		101	100	98		98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89	86	84	83
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85	82	79	78
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81	78	75	74
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77	74	71	70
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74	71	68	66
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71	67	65	63
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68	65	62	61
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	723128	723128	723128
5°	684624	682861	682498
10°	575161	575161	573010
15°	428521	427434	424884
20°	286808	285305	285672
25°	176782	176402	177181
30°	106294	106294	106711
35°	65197	65197	65638
40°	41277	41277	42199
45°	28326	28813	28813
50°	20765	20765	20765
55°	15914	16544	16544
60°	13364	13364	14053
65°	11655	11655	11655
70°	10272	11279	11279
75°	9515	9515	9515
80°	8133	8133	8133
85°	3952	3952	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 28813 cd/sqm

TEST NUMBER: P1309581

CATALOG NUMBER: P3SQAS24R309035D010 E3SQPHL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.0	19.3
10°-20°	657.2	35.6
20°-30°	436.9	23.7
30°-40°	202.0	11.0
40°-50°	93.8	5.1
50°-60°	50.1	2.7
60°-70°	29.3	1.6
70°-80°	15.5	0.8
80°-90°	3.3	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°	1450.1	78.6
0°-40°	1652.1	89.6
0°-60°	1795.9	97.4
0°-90°	1844.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1844.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4199	4199	4199	4199	4199	
5°	3960	3952	3950	3960	3948	356
15°	2403	2412	2397	2397	2383	659
25°	930	928	928	928	932	438
35°	310	308	310	312	312	201
45°	116	116	118	118	118	93
55°	53	55	55	55	55	49
65°	29	29	29	29	29	29
75°	14	14	14	14	14	15
85°	2	2	2	2	2	3
90°	0	0	0	0	0	

TEST NUMBER: P1309581

CATALOG NUMBER: P3SQAS24R309035D010 E3SQPHL1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4198.8	4198.8	4198.8	4198.8	4198.8
1°	4190.6	4186.6	4190.6	4196.8	4188.6
2°	4162.1	4158.0	4158.0	4166.2	4158.0
3°	4107.0	4111.1	4109.0	4117.2	4102.9
4°	4037.6	4035.6	4043.7	4047.8	4035.6
5°	3960.1	3951.9	3949.9	3960.1	3947.8
6°	3854.0	3847.9	3843.8	3856.0	3839.7
7°	3739.7	3735.7	3729.5	3733.6	3721.4
8°	3599.0	3596.9	3592.8	3596.9	3582.6
9°	3441.9	3441.9	3450.0	3448.0	3439.8
10°	3288.9	3292.9	3288.9	3292.9	3276.6
11°	3117.5	3117.5	3121.6	3119.5	3121.6
12°	2968.5	2952.2	2948.1	2944.1	2931.8
13°	2776.8	2764.5	2760.4	2764.5	2758.4
14°	2601.3	2593.1	2572.7	2576.8	2568.7
15°	2403.4	2411.6	2397.3	2397.3	2383.0
17.5°	1964.7	1956.6	1960.7	1962.7	1956.6
20°	1564.9	1560.8	1556.7	1552.6	1558.7
22.5°	1216.0	1218.0	1213.9	1209.9	1205.8
25°	930.3	928.3	928.3	928.3	932.4
27.5°	705.9	705.9	705.9	708.0	708.0
30°	534.5	530.5	534.5	536.6	536.6
32.5°	399.9	404.0	406.0	406.0	406.0
35°	310.1	308.1	310.1	312.2	312.2
37.5°	236.7	236.7	238.7	238.7	240.7
40°	183.6	183.6	183.6	185.7	187.7
42.5°	144.9	144.9	146.9	146.9	148.9
45°	116.3	116.3	118.3	118.3	118.3
47.5°	93.9	93.9	95.9	95.9	95.9
50°	77.5	77.5	77.5	77.5	77.5
52.5°	65.3	63.2	65.3	65.3	65.3
55°	53.0	55.1	55.1	55.1	55.1
57.5°	44.9	46.9	46.9	46.9	46.9
60°	38.8	38.8	38.8	40.8	40.8
62.5°	32.6	34.7	34.7	34.7	34.7
65°	28.6	28.6	28.6	28.6	28.6
67.5°	24.5	24.5	24.5	24.5	26.5
70°	20.4	20.4	22.4	22.4	22.4
72.5°	18.4	18.4	18.4	18.4	18.4
75°	14.3	14.3	14.3	14.3	14.3
77.5°	10.2	10.2	12.2	12.2	10.2
80°	8.2	8.2	8.2	8.2	8.2
82.5°	6.1	6.1	6.1	6.1	6.1
85°	2.0	2.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1309581

CATALOG NUMBER: P3SQAS24R309035D010 E3SQPHL1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)