

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: P1306064

Luminaire Tested: P3SQASS17R259024DE010 E3SQPHL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQASS17R259024DE010 E3SQPHL1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

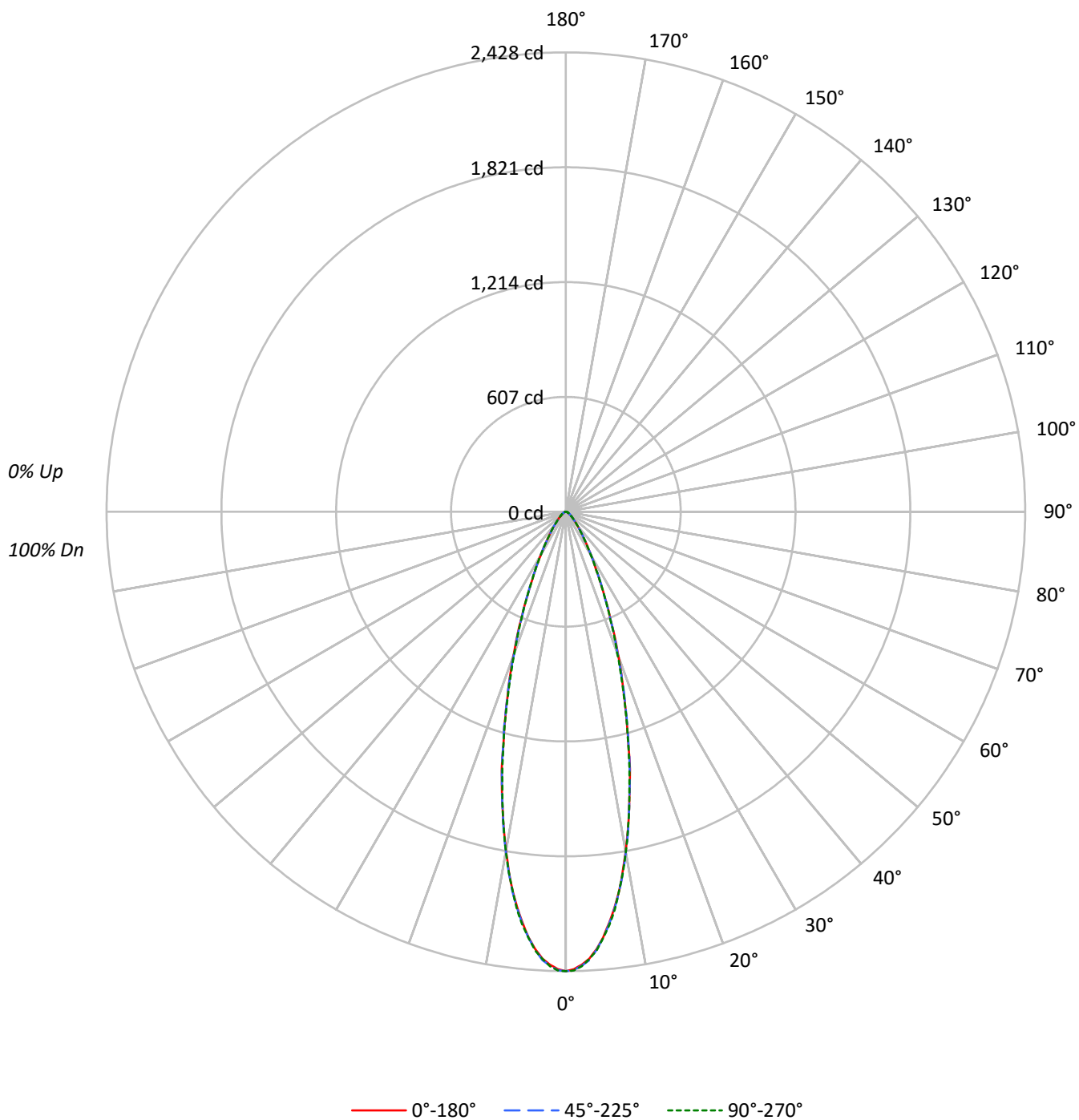
Lumens per Lamp: N/A
Luminaire Lumens: 973.0 lumens
Efficiency: N/A
Efficacy: 45.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1306064

CATALOG NUMBER: P3SQASS17R259024DE010 E3SQPHL1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1306064

CATALOG NUMBER: P3SQASS17R259024DE010 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	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	92	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85	82	80	79
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82	78	76	74
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75	71	69	67
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72	68	66	64
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	418208	418208	418208
5°	390364	390745	390952
10°	318403	319400	319400
15°	227419	228632	227419
20°	148838	147372	145301
25°	88495	88913	88495
30°	53296	53296	53077
35°	32483	32714	32483
40°	20684	20931	20931
45°	14394	14394	14394
50°	10342	10664	10664
55°	8197	8197	8527
60°	6648	7027	7027
65°	6031	6031	6031
70°	5136	5136	5740
75°	4525	4525	5323
80°	4463	4463	4463
85°	2174	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14394 cd/sqm

TEST NUMBER: P1306064

CATALOG NUMBER: P3SQASS17R259024DE010 E3SQPHL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.8	20.7
10°-20°	351.7	36.2
20°-30°	221.1	22.7
30°-40°	101.2	10.4
40°-50°	47.2	4.9
50°-60°	25.4	2.6
60°-70°	15.0	1.5
70°-80°	7.8	0.8
80°-90°	1.7	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°	774.7	79.6
0°-40°	875.8	90.0
0°-60°	948.5	97.5
0°-90°	973.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	973.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2428	2428	2428	2428	2428	
5°	2258	2262	2260	2262	2261	201
15°	1276	1284	1282	1285	1276	352
25°	466	471	468	468	466	222
35°	154	154	156	156	154	101
45°	59	59	59	59	59	47
55°	27	27	27	28	28	25
65°	15	15	15	15	15	15
75°	7	7	7	8	8	8
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

TEST NUMBER: P1306064

CATALOG NUMBER: P3SQASS17R259024DE010 E3SQPHL1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2428.3	2428.3	2428.3	2428.3	2428.3
1°	2418.1	2420.4	2422.7	2426.1	2424.9
2°	2395.4	2399.9	2401.1	2405.6	2404.5
3°	2364.7	2363.6	2372.7	2372.7	2367.0
4°	2317.0	2319.3	2321.6	2323.8	2325.0
5°	2258.0	2262.5	2260.2	2262.5	2261.4
6°	2185.3	2192.1	2191.0	2193.2	2196.6
7°	2108.0	2112.6	2112.6	2110.3	2119.4
8°	2024.0	2020.6	2026.3	2024.0	2022.9
9°	1924.0	1930.9	1932.0	1926.3	1928.6
10°	1820.7	1825.2	1826.4	1829.8	1826.4
11°	1718.5	1718.5	1720.7	1726.4	1717.3
12°	1607.2	1617.4	1607.2	1611.7	1607.2
13°	1501.5	1503.8	1501.5	1500.4	1492.4
14°	1401.6	1393.6	1395.9	1386.8	1387.9
15°	1275.5	1283.5	1282.3	1284.6	1275.5
17.5°	1025.6	1030.2	1029.0	1026.8	1015.4
20°	812.1	812.1	804.1	799.6	792.8
22.5°	620.1	617.9	614.5	611.1	613.3
25°	465.7	471.4	467.9	467.9	465.7
27.5°	352.1	358.9	353.2	349.8	352.1
30°	268.0	270.3	268.0	266.9	266.9
32.5°	202.2	203.3	202.2	202.2	202.2
35°	154.5	154.5	155.6	155.6	154.5
37.5°	119.3	119.3	119.3	119.3	120.4
40°	92.0	93.1	93.1	93.1	93.1
42.5°	72.7	73.8	73.8	73.8	73.8
45°	59.1	59.1	59.1	59.1	59.1
47.5°	47.7	47.7	47.7	47.7	48.8
50°	38.6	39.8	39.8	39.8	39.8
52.5°	32.9	32.9	32.9	32.9	32.9
55°	27.3	27.3	27.3	28.4	28.4
57.5°	22.7	22.7	23.9	23.9	23.9
60°	19.3	20.4	20.4	20.4	20.4
62.5°	17.0	17.0	18.2	18.2	18.2
65°	14.8	14.8	14.8	14.8	14.8
67.5°	12.5	12.5	12.5	12.5	13.6
70°	10.2	10.2	10.2	11.4	11.4
72.5°	9.1	9.1	9.1	9.1	9.1
75°	6.8	6.8	6.8	8.0	8.0
77.5°	5.7	5.7	5.7	5.7	5.7
80°	4.5	4.5	4.5	4.5	4.5
82.5°	2.3	2.3	3.4	3.4	3.4
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1306064

CATALOG NUMBER: P3SQASS17R259024DE010 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)