

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: P1310390

Luminaire Tested: P3SQAS17R259040DE010 E3SQPHL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310390
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: P3SQAS17R259040DE010 E3SQPHL1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

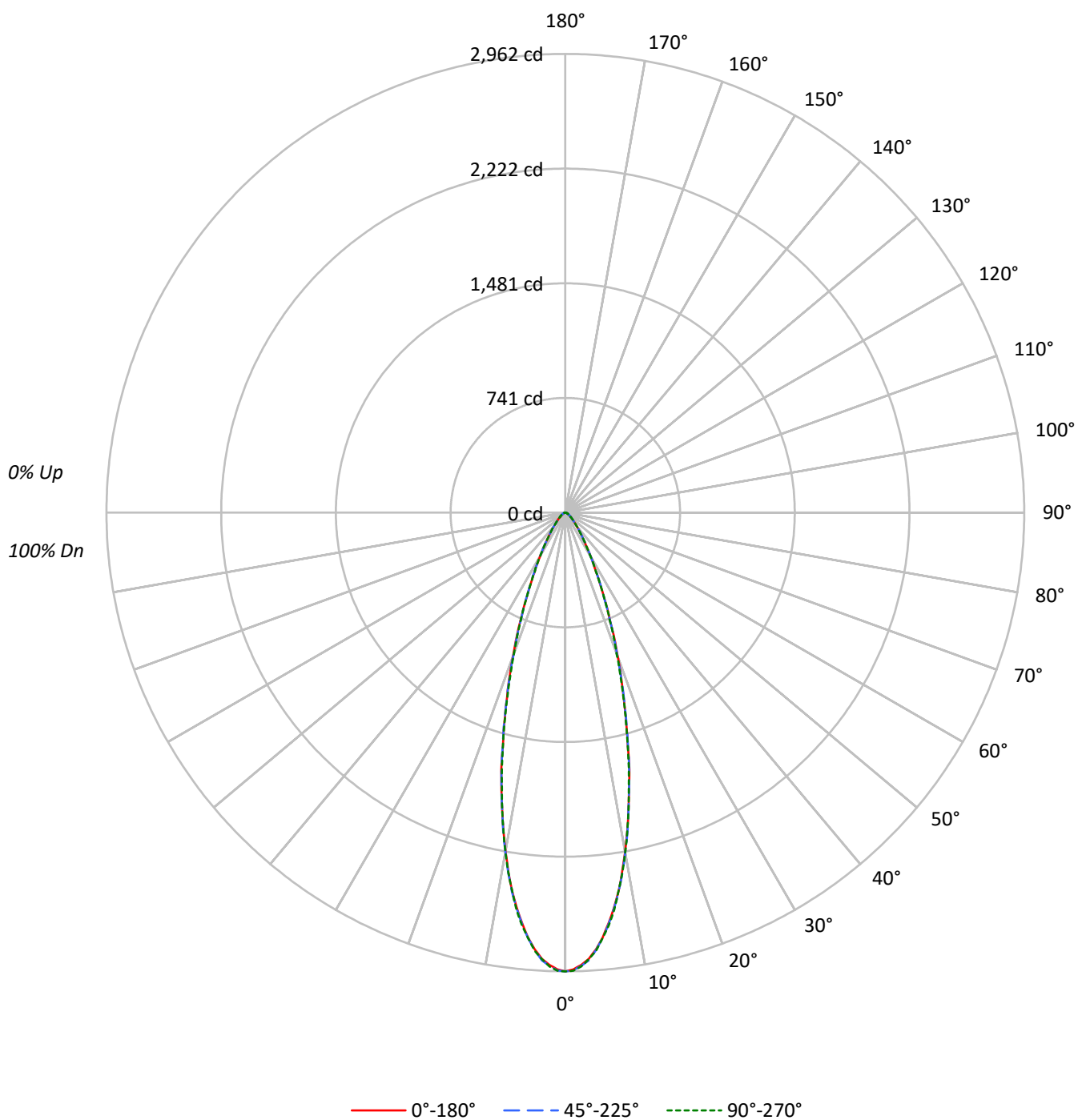
Lumens per Lamp: N/A
Luminaire Lumens: 1187.0 lumens
Efficiency: N/A
Efficacy: 56.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	510192	510192	510192
5°	476217	476701	476925
10°	388425	389649	389649
15°	277432	278929	277432
20°	181571	179793	177264
25°	107954	108486	107954
30°	65029	65029	64751
35°	39610	39905	39610
40°	25225	25540	25540
45°	17561	17561	17561
50°	12620	12995	12995
55°	9999	9999	10389
60°	8129	8577	8577
65°	7335	7335	7335
70°	6294	6294	6999
75°	5523	5523	6455
80°	5455	5455	5455
85°	2766	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17561 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.2	20.7
10°-20°	429.1	36.2
20°-30°	269.8	22.7
30°-40°	123.4	10.4
40°-50°	57.6	4.9
50°-60°	31.0	2.6
60°-70°	18.3	1.5
70°-80°	9.5	0.8
80°-90°	2.1	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°	945.1	79.6
0°-40°	1068.4	90.0
0°-60°	1157.1	97.5
0°-90°	1187.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1187.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2962	2962	2962	2962	2962	
5°	2755	2760	2757	2760	2759	246
15°	1556	1566	1564	1567	1556	429
25°	568	575	571	571	568	270
35°	188	188	190	190	188	123
45°	72	72	72	72	72	57
55°	33	33	33	35	35	30
65°	18	18	18	18	18	18
75°	8	8	8	10	10	9
85°	1	1	1	1	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2962.4	2962.4	2962.4	2962.4	2962.4
1°	2950.0	2952.7	2955.5	2959.7	2958.3
2°	2922.2	2927.8	2929.2	2934.7	2933.3
3°	2884.8	2883.4	2894.5	2894.5	2887.6
4°	2826.6	2829.4	2832.2	2835.0	2836.3
5°	2754.6	2760.1	2757.4	2760.1	2758.7
6°	2665.9	2674.2	2672.8	2675.6	2679.8
7°	2571.7	2577.2	2577.2	2574.5	2585.5
8°	2469.2	2465.0	2471.9	2469.2	2467.8
9°	2347.2	2355.5	2356.9	2350.0	2352.8
10°	2221.1	2226.7	2228.1	2232.2	2228.1
11°	2096.4	2096.4	2099.2	2106.1	2095.0
12°	1960.6	1973.1	1960.6	1966.2	1960.6
13°	1831.8	1834.5	1831.8	1830.4	1820.7
14°	1709.8	1700.1	1702.9	1691.8	1693.2
15°	1556.0	1565.7	1564.4	1567.1	1556.0
17.5°	1251.2	1256.7	1255.4	1252.6	1238.7
20°	990.7	990.7	981.0	975.5	967.2
22.5°	756.5	753.8	749.6	745.5	748.2
25°	568.1	575.0	570.9	570.9	568.1
27.5°	429.5	437.9	430.9	426.8	429.5
30°	327.0	329.8	327.0	325.6	325.6
32.5°	246.6	248.0	246.6	246.6	246.6
35°	188.4	188.4	189.8	189.8	188.4
37.5°	145.5	145.5	145.5	145.5	146.9
40°	112.2	113.6	113.6	113.6	113.6
42.5°	88.7	90.1	90.1	90.1	90.1
45°	72.1	72.1	72.1	72.1	72.1
47.5°	58.2	58.2	58.2	58.2	59.6
50°	47.1	48.5	48.5	48.5	48.5
52.5°	40.2	40.2	40.2	40.2	40.2
55°	33.3	33.3	33.3	34.6	34.6
57.5°	27.7	27.7	29.1	29.1	29.1
60°	23.6	24.9	24.9	24.9	24.9
62.5°	20.8	20.8	22.2	22.2	22.2
65°	18.0	18.0	18.0	18.0	18.0
67.5°	15.2	15.2	15.2	15.2	16.6
70°	12.5	12.5	12.5	13.9	13.9
72.5°	11.1	11.1	11.1	11.1	11.1
75°	8.3	8.3	8.3	9.7	9.7
77.5°	6.9	6.9	6.9	6.9	6.9
80°	5.5	5.5	5.5	5.5	5.5
82.5°	2.8	2.8	4.2	4.2	4.2
85°	1.4	1.4	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0



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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)