

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: P1314709

Luminaire Tested: P3SQAS20R359735D010 E3SQPHL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314709
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R359735D010 E3SQPHL1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

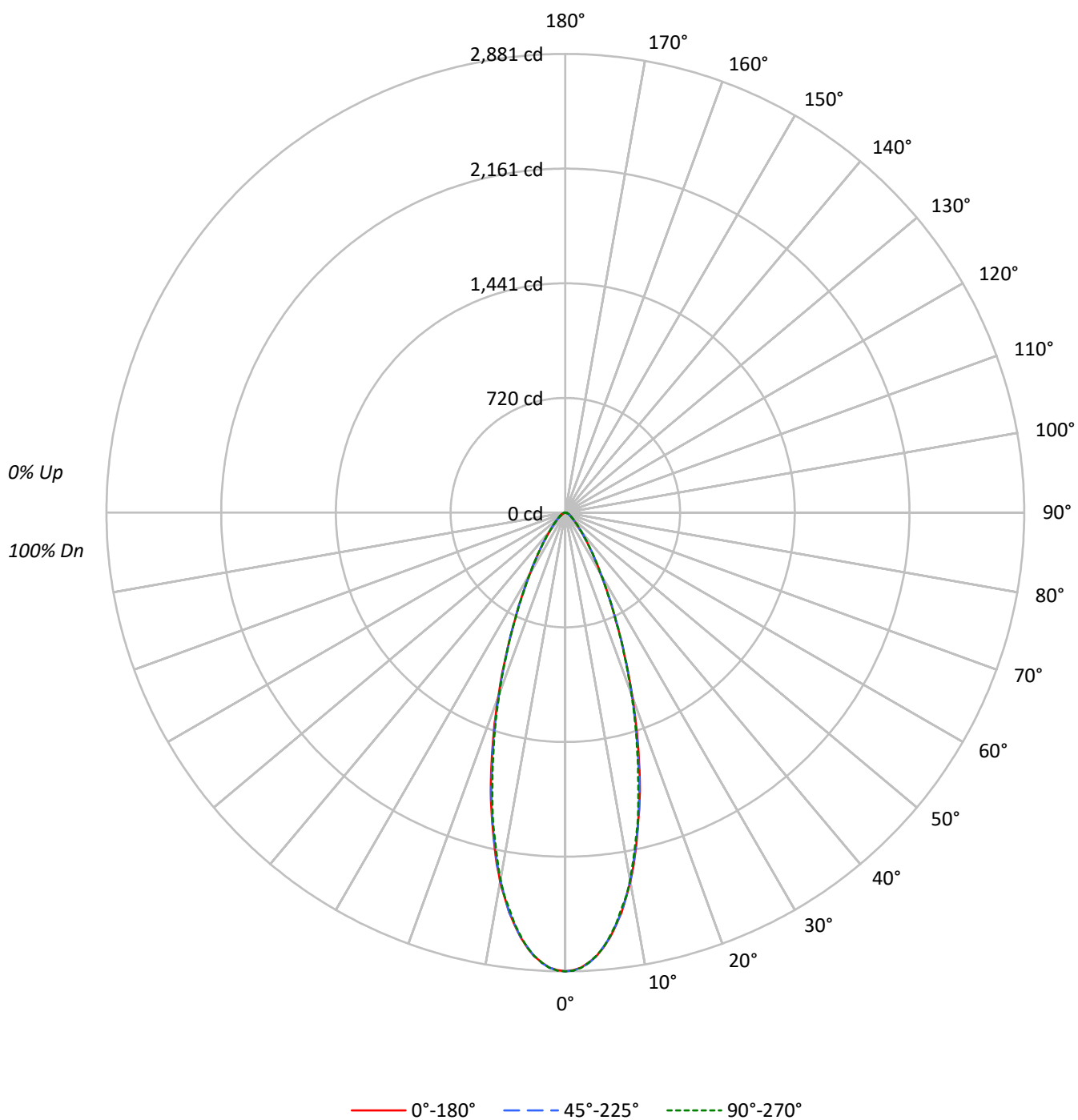
Lumens per Lamp: N/A
Luminaire Lumens: 1421.0 lumens
Efficiency: N/A
Efficacy: 49.3 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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			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	108	106	111	109	106	104	105	103	101		101	99	98		97	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88	86	83	82
4	98	91	86	82	96	90	85	81	88	84	80		86	82	79		84	81	78	77
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80	77	74	73
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76	73	70	69
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73	69	66	65
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70	66	63	62
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67	63	60	59
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64	60	57	56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	496242	496242	496242
5°	474177	473364	474177
10°	411649	410267	409725
15°	322559	320027	314981
20°	225667	223633	222203
25°	143318	144211	143318
30°	88296	88933	88296
35°	54622	54958	54958
40°	34690	35050	35050
45°	23382	23771	24161
50°	16880	17308	17308
55°	13242	13242	13242
60°	10850	10850	10850
65°	9617	9617	9617
70°	8711	8711	8711
75°	7320	7320	7320
80°	6248	6248	6248
85°	3162	3162	6126

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 24161 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.0	17.5
10°-20°	490.3	34.5
20°-30°	353.7	24.9
30°-40°	170.5	12.0
40°-50°	78.6	5.5
50°-60°	40.7	2.9
60°-70°	23.5	1.7
70°-80°	11.9	0.8
80°-90°	2.8	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°	1093.0	76.9
0°-40°	1263.6	88.9
0°-60°	1382.9	97.3
0°-90°	1421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1421.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2881	2881	2881	2881	2881	
5°	2743	2749	2738	2740	2743	249
15°	1809	1806	1795	1787	1767	493
25°	754	756	759	759	754	354
35°	260	260	261	261	261	170
45°	96	98	98	99	99	78
55°	44	44	44	44	44	40
65°	24	24	24	24	24	23
75°	11	11	11	11	11	12
85°	2	2	2	2	3	3
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2881.4	2881.4	2881.4	2881.4	2881.4
1°	2873.5	2878.2	2876.6	2878.2	2876.6
2°	2859.3	2862.5	2859.3	2860.9	2860.9
3°	2829.4	2832.5	2832.5	2831.0	2829.4
4°	2793.2	2801.1	2793.2	2794.8	2790.0
5°	2742.8	2749.1	2738.1	2739.6	2742.8
6°	2681.4	2683.0	2679.8	2678.2	2675.1
7°	2610.5	2616.8	2605.8	2607.4	2604.2
8°	2535.0	2533.4	2533.4	2527.1	2517.6
9°	2443.6	2449.9	2440.5	2437.3	2438.9
10°	2353.9	2353.9	2346.0	2338.1	2342.9
11°	2251.5	2248.4	2243.7	2232.7	2229.5
12°	2139.8	2146.1	2131.9	2127.2	2116.1
13°	2024.8	2034.3	2028.0	2010.6	2012.2
14°	1917.8	1911.5	1906.7	1903.6	1892.6
15°	1809.1	1806.0	1794.9	1787.1	1766.6
17.5°	1511.5	1514.7	1494.2	1491.1	1483.2
20°	1231.3	1221.8	1220.2	1221.8	1212.4
22.5°	971.5	980.9	969.9	971.5	965.2
25°	754.2	755.8	758.9	758.9	754.2
27.5°	585.7	585.7	582.6	585.7	581.0
30°	444.0	444.0	447.2	450.3	444.0
32.5°	343.2	343.2	343.2	344.8	346.4
35°	259.8	259.8	261.4	261.4	261.4
37.5°	200.0	201.5	203.1	203.1	203.1
40°	154.3	155.9	155.9	157.5	155.9
42.5°	122.8	122.8	122.8	124.4	124.4
45°	96.0	97.6	97.6	99.2	99.2
47.5°	78.7	78.7	78.7	80.3	80.3
50°	63.0	64.6	64.6	64.6	64.6
52.5°	52.0	52.0	53.5	53.5	53.5
55°	44.1	44.1	44.1	44.1	44.1
57.5°	36.2	37.8	37.8	37.8	37.8
60°	31.5	31.5	31.5	31.5	31.5
62.5°	26.8	26.8	26.8	26.8	26.8
65°	23.6	23.6	23.6	23.6	23.6
67.5°	18.9	20.5	20.5	20.5	20.5
70°	17.3	17.3	17.3	17.3	17.3
72.5°	12.6	14.2	14.2	14.2	14.2
75°	11.0	11.0	11.0	11.0	11.0
77.5°	9.4	7.9	7.9	7.9	9.4
80°	6.3	6.3	6.3	6.3	6.3
82.5°	4.7	4.7	4.7	4.7	4.7
85°	1.6	1.6	1.6	1.6	3.1
87.5°	0.0	0.0	0.0	1.6	1.6



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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)