

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: P1315993

Luminaire Tested: P3SQAS05R459827DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R459827DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 98CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

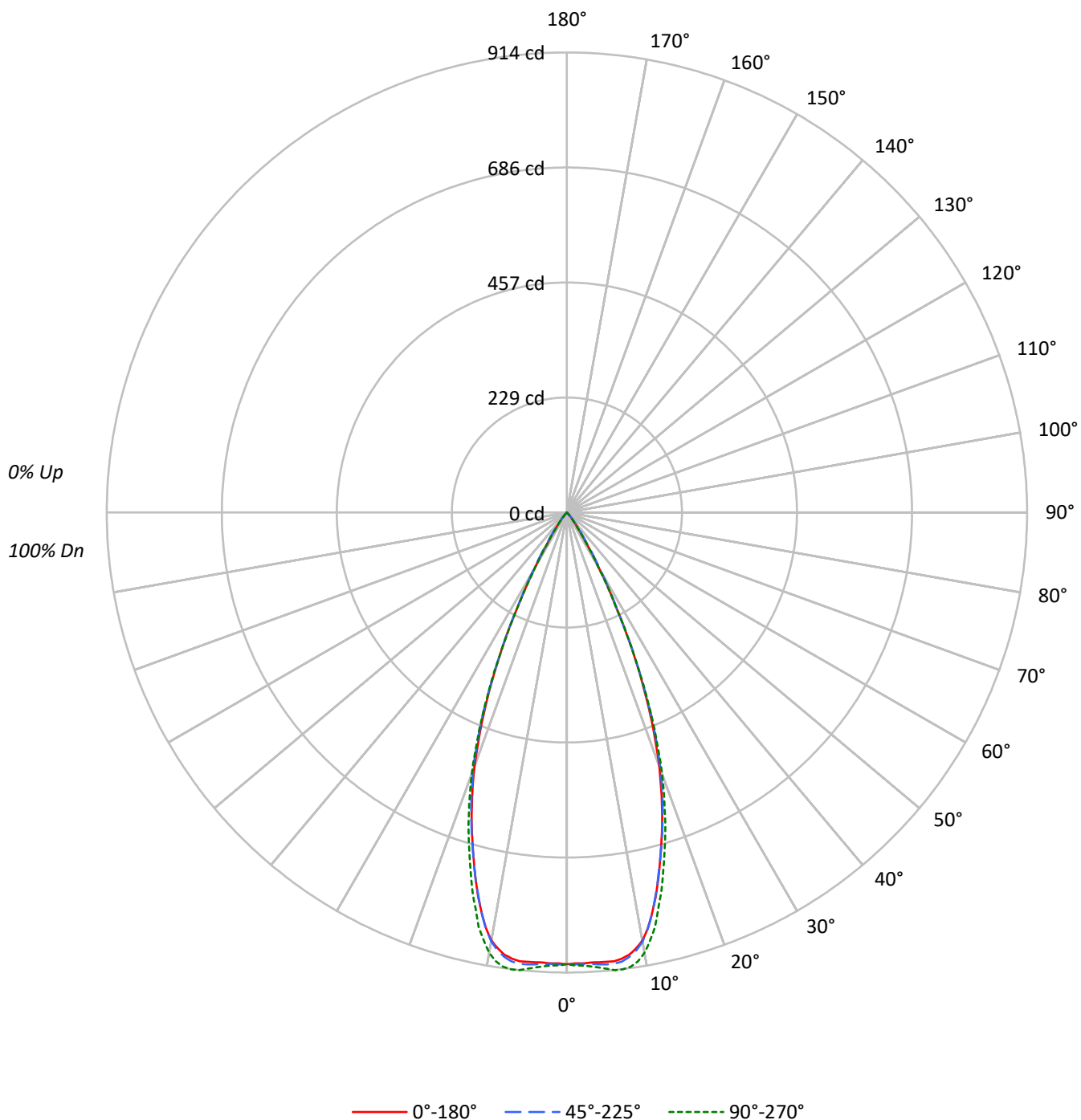
Lumens per Lamp: N/A
Luminaire Lumens: 464.0 lumens
Efficiency: N/A
Efficacy: 64.4 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79
8	87	79	75	71	86	79	74	71	78	74	71		77	73	70		76
9	84	76	71	68	83	76	71	68	75	71	68		74	70	68		73
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	154570	154570	154570
5°	154918	155817	157356
10°	151043	151341	155310
15°	127430	127483	131673
20°	98364	99757	101388
25°	61018	61094	61474
30°	25176	26747	24759
35°	7842	9566	7548
40°	2406	3327	2248
45°	170	1267	170
50°	0	188	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1267 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.4	18.4
10°-20°	198.6	42.8
20°-30°	145.7	31.4
30°-40°	31.3	6.7
40°-50°	3.0	0.6
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	429.7	92.6
0°-40°	461.0	99.4
0°-60°	464.0	100.0
0°-90°	464.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	464.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	898	898	898	898	898	
5°	896	898	901	908	910	85
15°	715	713	715	726	738	197
25°	321	320	322	322	324	144
35°	37	40	46	39	36	29
45°	1	2	5	2	1	2
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	897.5	897.5	897.5	897.5	897.5
1°	895.7	897.8	897.8	899.2	899.9
2°	896.4	897.8	897.5	899.9	900.9
3°	895.4	897.8	898.5	901.3	903.0
4°	895.7	897.8	899.9	904.0	906.4
5°	896.1	898.5	901.3	907.5	910.2
6°	896.4	898.1	901.3	909.2	914.4
7°	893.0	895.4	898.8	908.8	914.4
8°	887.5	888.8	891.6	904.7	911.3
9°	877.1	876.8	880.9	895.4	903.0
10°	863.7	859.5	865.4	879.9	888.1
11°	841.9	837.4	842.6	858.1	866.1
12°	813.6	813.6	814.7	828.5	842.3
13°	783.6	780.2	782.3	797.8	807.4
14°	750.5	747.1	749.1	760.9	776.0
15°	714.7	713.3	715.0	726.4	738.5
17.5°	629.5	626.4	632.6	643.9	650.2
20°	536.7	541.9	544.3	551.5	553.2
22.5°	430.1	435.6	439.1	440.1	441.1
25°	321.1	320.1	321.5	321.5	323.5
27.5°	211.1	211.1	214.9	212.5	210.1
30°	126.6	131.8	134.5	130.0	124.5
32.5°	69.0	74.2	78.6	72.1	67.3
35°	37.3	40.0	45.5	39.0	35.9
37.5°	20.3	22.8	26.2	22.1	20.3
40°	10.7	13.1	14.8	13.1	10.0
42.5°	3.4	6.6	8.6	6.6	3.1
45°	0.7	2.1	5.2	2.1	0.7
47.5°	0.0	0.3	2.4	0.3	0.0
50°	0.0	0.0	0.7	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)