

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: P1309293

Luminaire Tested: P3SQAS17R309035DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R309035DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

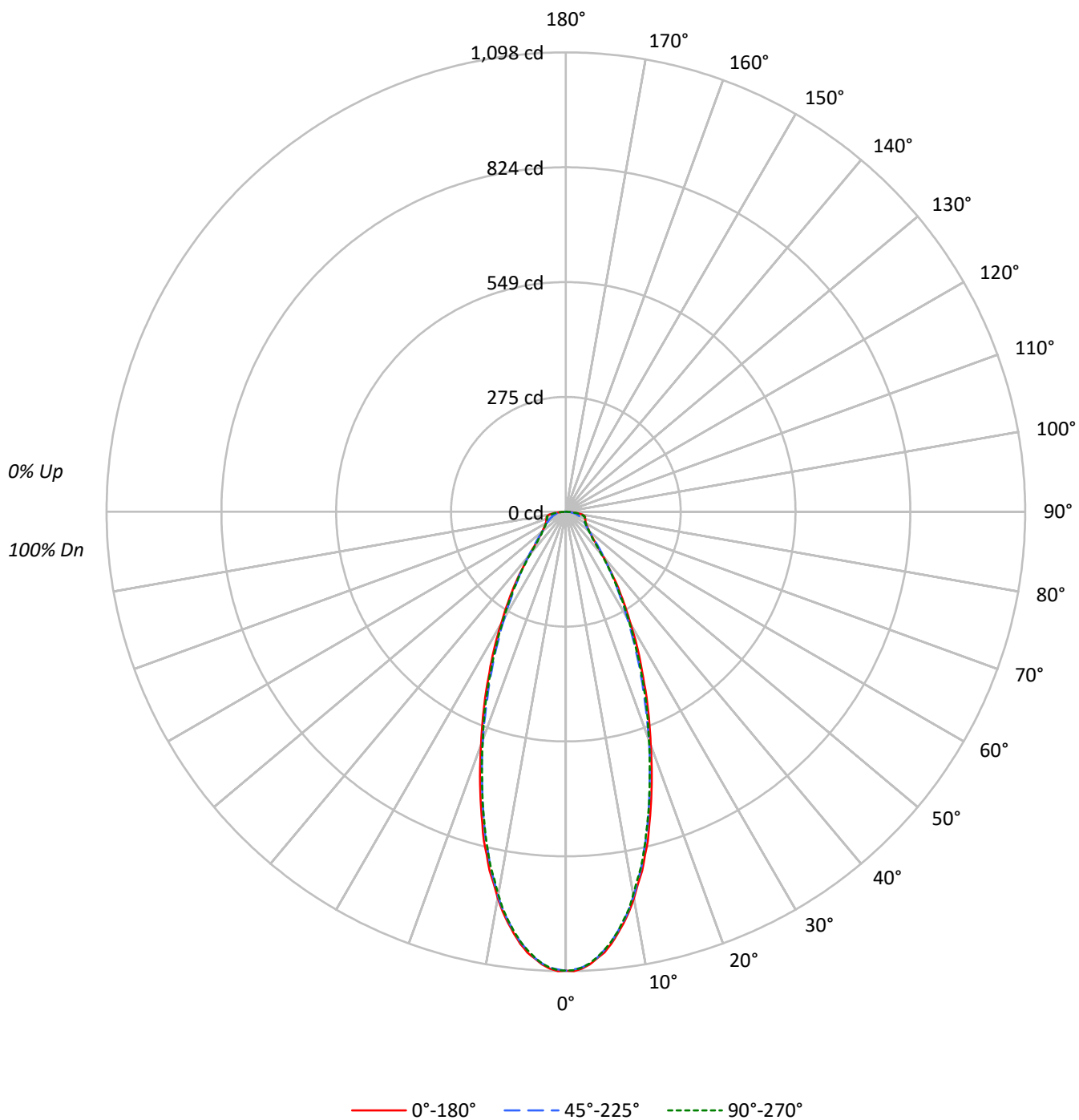
Lumens per Lamp: N/A
Luminaire Lumens: 865.0 lumens
Efficiency: N/A
Efficacy: 40.8 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	107	104	101	109	105	102	99	101	99	96		97	95	93		94
2	104	98	92	88	102	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		83	78	75		80
4	92	82	76	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	85	75	69	64	74	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	59		67	62	58		66
7	77	67	60	55	76	66	60	55	65	59	55		63	58	54		62
8	74	63	56	51	72	62	56	51	61	55	51		60	55	51		59
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56
10	67	56	50	45	66	56	49	45	55	49	45		54	49	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	188911	188911	188911
5°	182769	181853	181853
10°	164019	163093	162411
15°	137468	135346	135114
20°	108536	106336	106336
25°	83080	79811	81312
30°	61648	58486	59799
35°	44572	42617	42890
40°	30688	31273	29789
45°	22919	23869	21945
50°	19880	19532	19532
55°	18706	17896	18286
60°	19151	17808	18703
65°	21068	17808	20498
70°	24674	18027	24019
75°	31740	19364	30875
80°	39374	21026	36795
85°	31419	20946	28850

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 39374 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.7	11.2
10°-20°	210.3	24.3
20°-30°	196.0	22.7
30°-40°	130.0	15.0
40°-50°	75.7	8.8
50°-60°	55.1	6.4
60°-70°	46.6	5.4
70°-80°	38.6	4.5
80°-90°	16.0	1.9
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°	503.0	58.2
0°-40°	633.0	73.2
0°-60°	763.8	88.3
0°-90°	865.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	865.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1097	1097	1097	1097	1097	
5°	1057	1056	1052	1052	1052	97
15°	771	763	759	758	758	213
25°	437	429	420	421	428	202
35°	212	208	203	204	204	133
45°	94	95	98	93	90	75
55°	62	61	60	61	61	57
65°	52	46	44	46	50	51
75°	48	36	29	36	46	49
85°	16	18	11	17	15	18
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1096.9	1096.9	1096.9	1096.9	1096.9
1°	1098.2	1096.9	1094.3	1095.6	1095.6
2°	1092.9	1091.6	1090.3	1090.3	1090.3
3°	1083.7	1082.3	1081.0	1081.0	1081.0
4°	1070.4	1069.1	1069.1	1067.8	1067.8
5°	1057.2	1055.8	1051.9	1051.9	1051.9
6°	1038.6	1037.3	1034.6	1033.3	1033.3
7°	1016.1	1016.1	1012.1	1010.8	1012.1
8°	992.3	990.9	988.3	987.0	987.0
9°	967.1	963.1	963.1	959.1	961.8
10°	937.9	935.3	932.6	930.0	928.7
11°	904.8	903.5	899.5	896.9	895.5
12°	877.0	870.4	867.7	863.8	866.4
13°	841.2	837.3	830.6	829.3	830.6
14°	810.8	802.8	797.5	794.9	793.5
15°	771.0	763.1	759.1	757.8	757.8
17.5°	682.3	677.0	666.4	666.4	666.4
20°	592.2	586.9	580.2	578.9	580.2
22.5°	514.0	504.7	494.1	495.5	503.4
25°	437.2	429.2	420.0	421.3	427.9
27.5°	372.3	361.7	352.4	355.0	359.0
30°	310.0	303.4	294.1	296.7	300.7
32.5°	257.0	253.0	242.4	245.1	249.1
35°	212.0	208.0	202.7	204.0	204.0
37.5°	169.6	169.6	168.2	166.9	165.6
40°	136.5	139.1	139.1	135.1	132.5
42.5°	111.3	113.9	116.6	111.3	107.3
45°	94.1	95.4	98.0	92.7	90.1
47.5°	82.1	82.1	84.8	80.8	79.5
50°	74.2	74.2	72.9	71.5	72.9
52.5°	67.6	66.2	64.9	66.2	66.2
55°	62.3	60.9	59.6	60.9	60.9
57.5°	58.3	57.0	55.6	55.6	57.0
60°	55.6	53.0	51.7	53.0	54.3
62.5°	53.0	49.0	47.7	49.0	51.7
65°	51.7	46.4	43.7	46.4	50.3
67.5°	50.3	43.7	39.7	43.7	49.0
70°	49.0	41.1	35.8	41.1	47.7
72.5°	47.7	38.4	33.1	38.4	47.7
75°	47.7	35.8	29.1	35.8	46.4
77.5°	45.0	33.1	25.2	33.1	43.7
80°	39.7	30.5	21.2	29.1	37.1
82.5°	29.1	26.5	15.9	25.2	27.8
85°	15.9	18.5	10.6	17.2	14.6
87.5°	2.6	4.0	2.6	7.9	5.3



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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)