

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: P1318167

Luminaire Tested: P3SQAS17R359835DE010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318167
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R359835DE010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

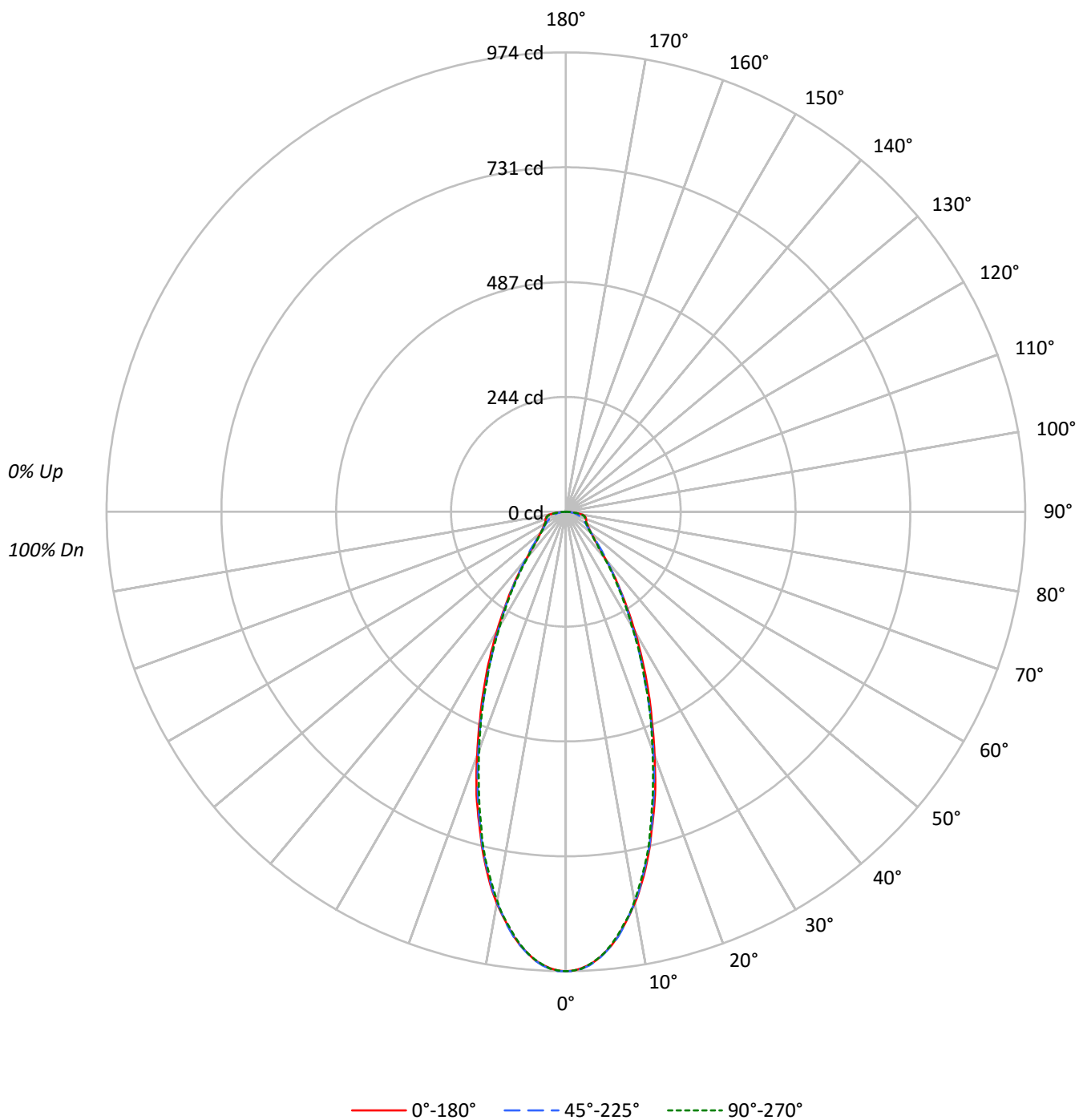
Lumens per Lamp: N/A
Luminaire Lumens: 806.0 lumens
Efficiency: N/A
Efficacy: 39.5 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 0.68 / 0.73
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	101	96	91	87	92	88	85		89	86	83		86
3	97	89	83	78	95	88	82	77	85	80	76		82	78	75		80
4	92	82	75	70	90	81	75	70	79	73	69		77	72	68		75
5	86	76	69	64	84	75	69	64	73	68	63		72	67	63		70
6	82	71	64	59	80	70	64	59	69	63	58		67	62	58		66
7	77	66	60	55	76	66	59	54	64	58	54		63	58	54		62
8	73	62	56	51	72	62	55	51	61	55	51		60	54	50		59
9	70	59	52	48	68	58	52	48	57	52	47		56	51	47		55
10	66	56	49	45	65	55	49	45	54	49	45		53	48	45		53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	167779	167779	167779
5°	162266	162473	162266
10°	147406	147196	146549
15°	125130	124684	123596
20°	100747	99390	98492
25°	77873	75536	75536
30°	58069	56120	55623
35°	41797	41271	40241
40°	29249	30059	28125
45°	21823	23016	21214
50°	18728	18728	18407
55°	17685	16935	17325
60°	18187	16464	17326
65°	19479	16504	18990
70°	22861	17322	22257
75°	28546	17966	27748
80°	36498	19439	32828
85°	29048	19365	29048

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 36498 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.5	10.7
10°-20°	193.1	24.0
20°-30°	184.4	22.9
30°-40°	123.9	15.4
40°-50°	72.7	9.0
50°-60°	52.0	6.5
60°-70°	43.3	5.4
70°-80°	35.5	4.4
80°-90°	14.6	1.8
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°	464.0	57.6
0°-40°	587.9	72.9
0°-60°	712.6	88.4
0°-90°	806.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	806.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	974	974	974	974	974	
5°	939	941	940	939	939	87
15°	702	703	699	694	693	195
25°	410	405	398	398	398	188
35°	199	199	196	193	191	126
45°	90	92	94	90	87	72
55°	59	58	56	56	58	54
65°	48	43	40	43	47	48
75°	43	33	27	33	42	45
85°	15	16	10	16	15	17
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	974.2	974.2	974.2	974.2	974.2
1°	972.9	974.2	974.2	972.9	972.9
2°	968.0	970.5	969.3	968.0	969.3
3°	961.9	964.4	963.1	961.9	960.7
4°	952.1	954.5	953.3	950.9	950.9
5°	938.6	941.0	939.8	938.6	938.6
6°	925.1	927.5	925.1	922.6	922.6
7°	906.7	910.4	907.9	905.5	904.2
8°	885.8	889.5	887.1	885.8	883.4
9°	865.0	867.4	863.7	863.7	863.7
10°	842.9	844.1	841.7	838.0	838.0
11°	818.4	817.1	815.9	813.4	811.0
12°	791.4	791.4	787.7	785.2	784.0
13°	763.1	761.9	759.5	757.0	757.0
14°	733.7	733.7	731.2	726.3	727.6
15°	701.8	703.0	699.3	694.4	693.2
17.5°	629.4	627.0	620.8	617.1	613.5
20°	549.7	548.4	542.3	538.6	537.4
22.5°	476.0	474.8	468.7	465.0	467.5
25°	409.8	404.9	397.5	397.5	397.5
27.5°	348.4	342.3	337.4	334.9	337.4
30°	292.0	287.1	282.2	281.0	279.7
32.5°	241.7	239.2	236.8	233.1	233.1
35°	198.8	198.8	196.3	192.6	191.4
37.5°	162.0	163.2	162.0	158.3	157.0
40°	130.1	132.5	133.7	130.1	125.1
42.5°	106.7	110.4	112.9	106.7	103.1
45°	89.6	92.0	94.5	89.6	87.1
47.5°	78.5	79.7	81.0	77.3	76.1
50°	69.9	69.9	69.9	68.7	68.7
52.5°	63.8	63.8	62.6	61.3	61.3
55°	58.9	57.7	56.4	56.4	57.7
57.5°	55.2	54.0	51.5	52.8	54.0
60°	52.8	50.3	47.8	49.1	50.3
62.5°	49.1	46.6	44.2	45.4	47.8
65°	47.8	42.9	40.5	42.9	46.6
67.5°	46.6	40.5	36.8	40.5	45.4
70°	45.4	38.0	34.4	38.0	44.2
72.5°	44.2	35.6	30.7	35.6	42.9
75°	42.9	33.1	27.0	33.1	41.7
77.5°	40.5	30.7	23.3	30.7	38.0
80°	36.8	28.2	19.6	27.0	33.1
82.5°	27.0	23.3	15.9	23.3	24.5
85°	14.7	15.9	9.8	15.9	14.7
87.5°	1.2	2.5	2.5	7.4	4.9



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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)