

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: P1316267

Luminaire Tested: P3SQAS13R359827DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316267
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: P3SQAS13R359827DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

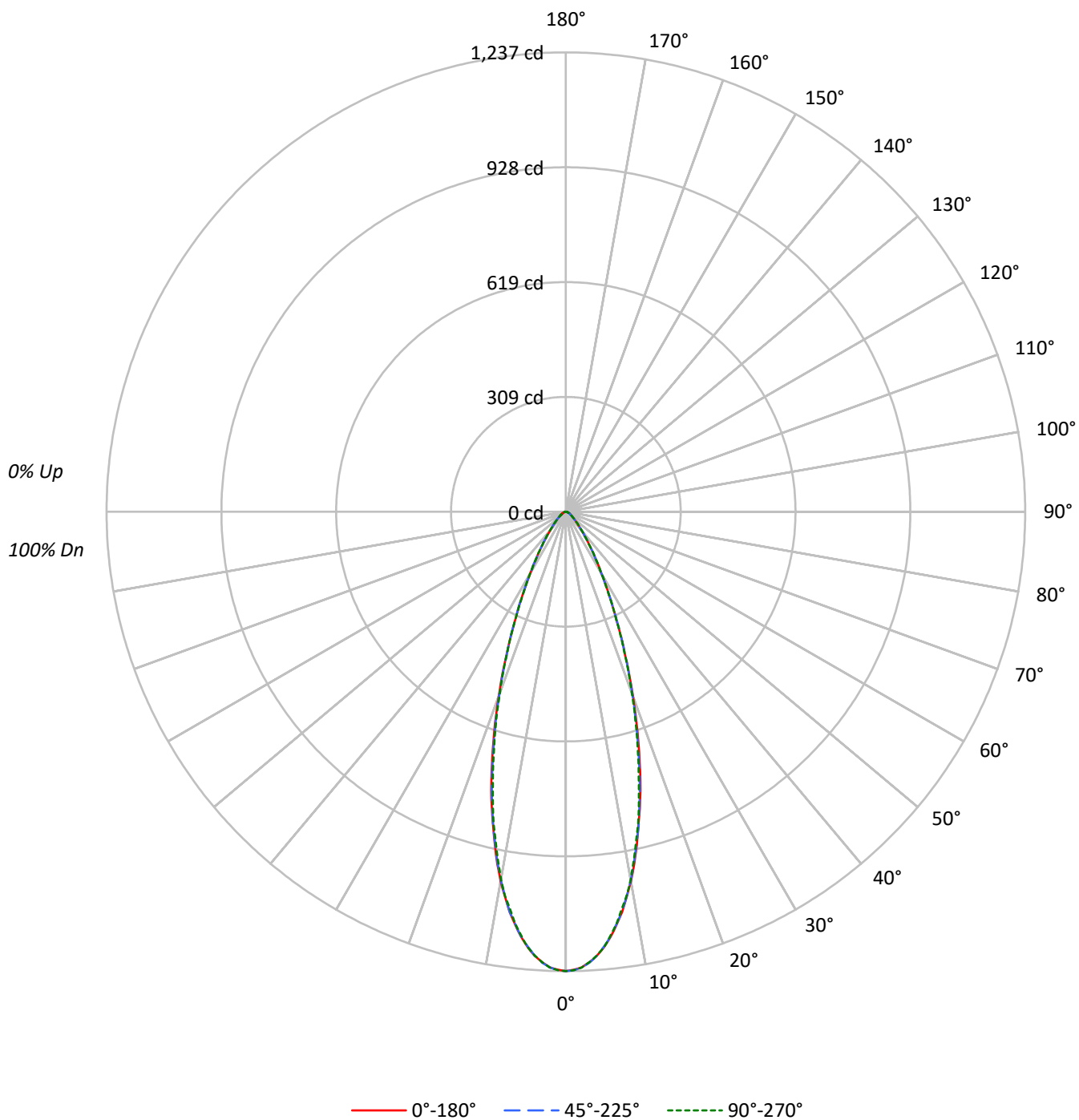
Lumens per Lamp: N/A
Luminaire Lumens: 610.0 lumens
Efficiency: N/A
Efficacy: 42.1 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	213022	213022	213022
5°	203550	203204	203550
10°	176716	176121	175876
15°	138466	137379	135221
20°	96879	96000	95377
25°	61531	61911	61531
30°	37904	38182	37904
35°	23442	23589	23589
40°	14883	15041	15041
45°	10035	10205	10376
50°	7234	7422	7422
55°	5675	5675	5675
60°	4650	4650	4650
65°	4116	4116	4116
70°	3726	3726	3726
75°	3127	3127	3127
80°	2678	2678	2678
85°	1383	1383	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 10376 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.9	17.5
10°-20°	210.5	34.5
20°-30°	151.9	24.9
30°-40°	73.2	12.0
40°-50°	33.7	5.5
50°-60°	17.4	2.9
60°-70°	10.1	1.7
70°-80°	5.1	0.8
80°-90°	1.2	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°	469.2	76.9
0°-40°	542.4	88.9
0°-60°	593.6	97.3
0°-90°	610.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	610.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1237	1237	1237	1237	1237	
5°	1177	1180	1175	1176	1177	107
15°	777	775	770	767	758	212
25°	324	324	326	326	324	152
35°	112	112	112	112	112	73
45°	41	42	42	43	43	33
55°	19	19	19	19	19	17
65°	10	10	10	10	10	10
75°	5	5	5	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1236.9	1236.9	1236.9	1236.9	1236.9
1°	1233.5	1235.5	1234.9	1235.5	1234.9
2°	1227.4	1228.8	1227.4	1228.1	1228.1
3°	1214.6	1215.9	1215.9	1215.3	1214.6
4°	1199.0	1202.4	1199.0	1199.7	1197.7
5°	1177.4	1180.1	1175.4	1176.1	1177.4
6°	1151.1	1151.7	1150.4	1149.7	1148.3
7°	1120.6	1123.3	1118.6	1119.3	1117.9
8°	1088.2	1087.5	1087.5	1084.8	1080.8
9°	1049.0	1051.7	1047.6	1046.3	1047.0
10°	1010.5	1010.5	1007.1	1003.7	1005.7
11°	966.5	965.2	963.2	958.4	957.1
12°	918.5	921.2	915.2	913.1	908.4
13°	869.2	873.3	870.6	863.1	863.8
14°	823.2	820.5	818.5	817.2	812.4
15°	776.6	775.3	770.5	767.1	758.4
17.5°	648.9	650.2	641.4	640.1	636.7
20°	528.6	524.5	523.8	524.5	520.4
22.5°	417.0	421.1	416.4	417.0	414.3
25°	323.8	324.4	325.8	325.8	323.8
27.5°	251.4	251.4	250.1	251.4	249.4
30°	190.6	190.6	192.0	193.3	190.6
32.5°	147.3	147.3	147.3	148.0	148.7
35°	111.5	111.5	112.2	112.2	112.2
37.5°	85.8	86.5	87.2	87.2	87.2
40°	66.2	66.9	66.9	67.6	66.9
42.5°	52.7	52.7	52.7	53.4	53.4
45°	41.2	41.9	41.9	42.6	42.6
47.5°	33.8	33.8	33.8	34.5	34.5
50°	27.0	27.7	27.7	27.7	27.7
52.5°	22.3	22.3	23.0	23.0	23.0
55°	18.9	18.9	18.9	18.9	18.9
57.5°	15.5	16.2	16.2	16.2	16.2
60°	13.5	13.5	13.5	13.5	13.5
62.5°	11.5	11.5	11.5	11.5	11.5
65°	10.1	10.1	10.1	10.1	10.1
67.5°	8.1	8.8	8.8	8.8	8.8
70°	7.4	7.4	7.4	7.4	7.4
72.5°	5.4	6.1	6.1	6.1	6.1
75°	4.7	4.7	4.7	4.7	4.7
77.5°	4.1	3.4	3.4	3.4	4.1
80°	2.7	2.7	2.7	2.7	2.7
82.5°	2.0	2.0	2.0	2.0	2.0
85°	0.7	0.7	0.7	0.7	1.4
87.5°	0.0	0.0	0.0	0.7	0.7



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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)