

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: P1305943

Luminaire Tested: P3SQAS13R359024DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1305943
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: P3SQAS13R359024DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

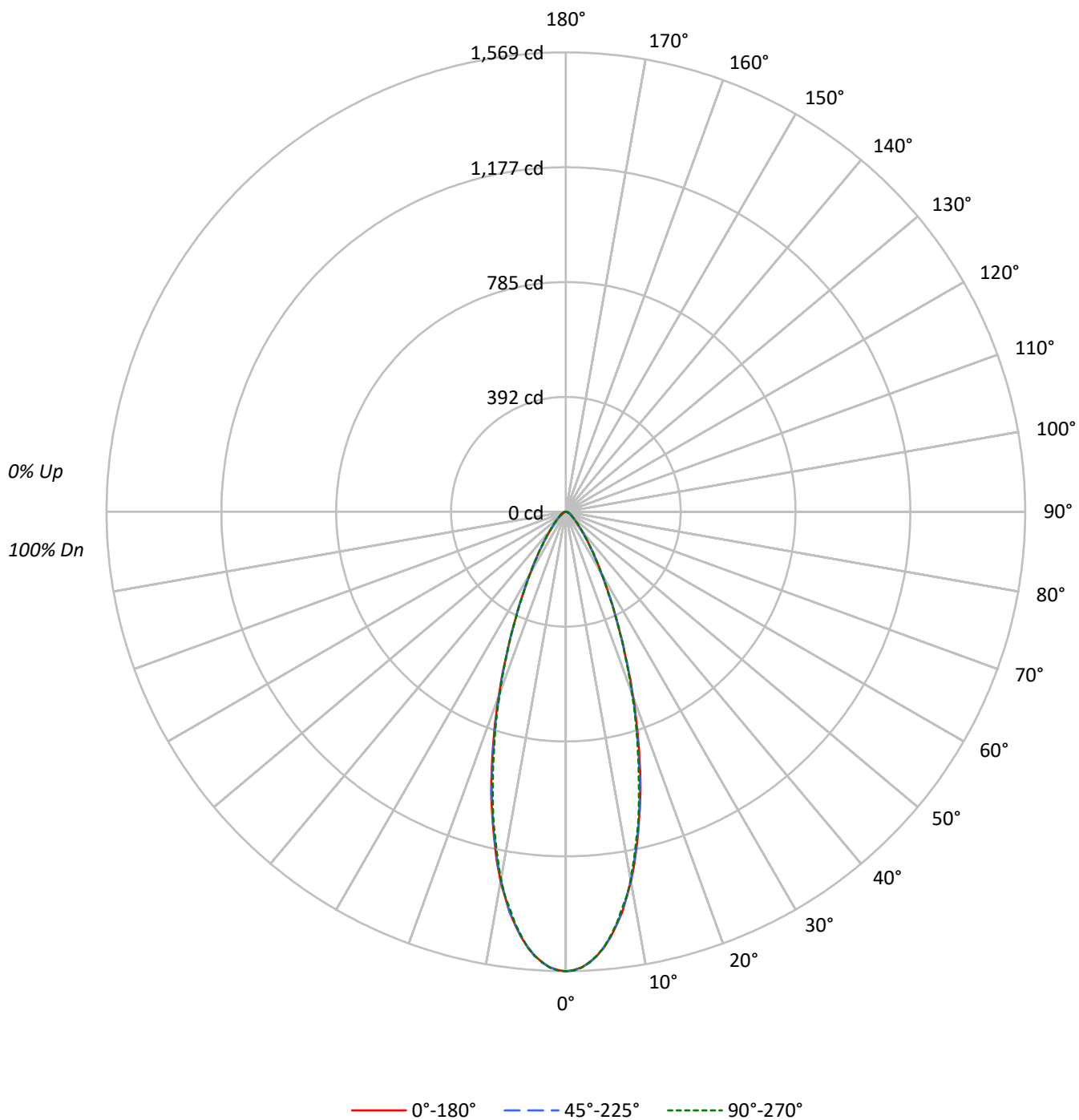
Lumens per Lamp: N/A
Luminaire Lumens: 774.0 lumens
Efficiency: N/A
Efficacy: 53.0 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	96	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°	270286	270286	270286
5°	258283	257834	258283
10°	224213	223461	223164
15°	175695	174322	171558
20°	122923	121823	121035
25°	78063	78557	78063
30°	48086	48444	48086
35°	29750	29939	29939
40°	18885	19087	19087
45°	12738	12957	13152
50°	9190	9431	9431
55°	7206	7206	7206
60°	5924	5924	5924
65°	5257	5257	5257
70°	4733	4733	4733
75°	3993	3993	3993
80°	3372	3372	3372
85°	1778	1778	3359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 13152 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.6	17.5
10°-20°	267.0	34.5
20°-30°	192.7	24.9
30°-40°	92.9	12.0
40°-50°	42.8	5.5
50°-60°	22.2	2.9
60°-70°	12.8	1.7
70°-80°	6.5	0.8
80°-90°	1.5	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°	595.4	76.9
0°-40°	688.3	88.9
0°-60°	753.2	97.3
0°-90°	774.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	774.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1569	1569	1569	1569	1569	
5°	1494	1497	1491	1492	1494	136
15°	985	984	978	973	962	269
25°	411	412	413	413	411	193
35°	142	142	142	142	142	92
45°	52	53	53	54	54	42
55°	24	24	24	24	24	22
65°	13	13	13	13	13	13
75°	6	6	6	6	6	6
85°	1	1	1	1	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1569.4	1569.4	1569.4	1569.4	1569.4
1°	1565.1	1567.7	1566.9	1567.7	1566.9
2°	1557.4	1559.1	1557.4	1558.3	1558.3
3°	1541.1	1542.8	1542.8	1542.0	1541.1
4°	1521.4	1525.7	1521.4	1522.3	1519.7
5°	1494.0	1497.4	1491.4	1492.2	1494.0
6°	1460.5	1461.4	1459.7	1458.8	1457.1
7°	1421.9	1425.4	1419.4	1420.2	1418.5
8°	1380.8	1379.9	1379.9	1376.5	1371.3
9°	1331.0	1334.4	1329.3	1327.6	1328.4
10°	1282.1	1282.1	1277.8	1273.6	1276.1
11°	1226.4	1224.7	1222.1	1216.1	1214.4
12°	1165.5	1168.9	1161.2	1158.6	1152.6
13°	1102.9	1108.0	1104.6	1095.2	1096.0
14°	1044.6	1041.1	1038.6	1036.9	1030.9
15°	985.4	983.7	977.7	973.4	962.2
17.5°	823.3	825.0	813.9	812.2	807.9
20°	670.7	665.5	664.7	665.5	660.4
22.5°	529.1	534.3	528.3	529.1	525.7
25°	410.8	411.7	413.4	413.4	410.8
27.5°	319.0	319.0	317.3	319.0	316.5
30°	241.8	241.8	243.6	245.3	241.8
32.5°	187.0	187.0	187.0	187.8	188.7
35°	141.5	141.5	142.4	142.4	142.4
37.5°	108.9	109.8	110.6	110.6	110.6
40°	84.0	84.9	84.9	85.8	84.9
42.5°	66.9	66.9	66.9	67.8	67.8
45°	52.3	53.2	53.2	54.0	54.0
47.5°	42.9	42.9	42.9	43.7	43.7
50°	34.3	35.2	35.2	35.2	35.2
52.5°	28.3	28.3	29.2	29.2	29.2
55°	24.0	24.0	24.0	24.0	24.0
57.5°	19.7	20.6	20.6	20.6	20.6
60°	17.2	17.2	17.2	17.2	17.2
62.5°	14.6	14.6	14.6	14.6	14.6
65°	12.9	12.9	12.9	12.9	12.9
67.5°	10.3	11.1	11.1	11.1	11.1
70°	9.4	9.4	9.4	9.4	9.4
72.5°	6.9	7.7	7.7	7.7	7.7
75°	6.0	6.0	6.0	6.0	6.0
77.5°	5.1	4.3	4.3	4.3	5.1
80°	3.4	3.4	3.4	3.4	3.4
82.5°	2.6	2.6	2.6	2.6	2.6
85°	0.9	0.9	0.9	0.9	1.7
87.5°	0.0	0.0	0.0	0.9	0.9



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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)