

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: P1311178

Luminaire Tested: P3SQAS09R359050DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311178
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: P3SQAS09R359050DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

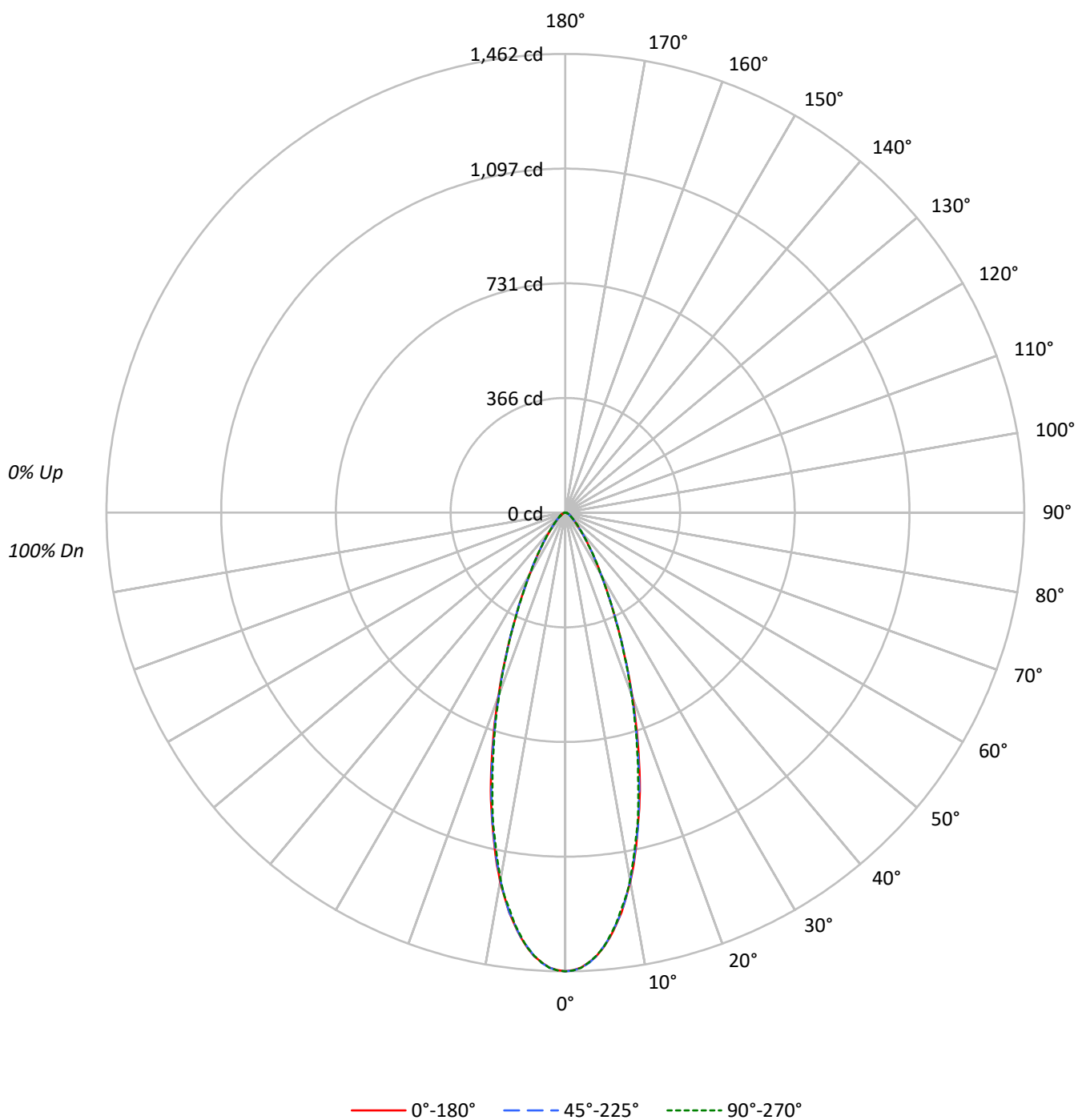
Lumens per Lamp: N/A
Luminaire Lumens: 721.1 lumens
Efficiency: N/A
Efficacy: 65.0 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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°	251790	251790	251790
5°	240598	240183	240598
10°	208859	208159	207879
15°	163660	162376	159826
20°	114492	113466	112733
25°	72723	73179	72723
30°	44804	45123	44804
35°	27710	27878	27878
40°	17603	17783	17783
45°	11861	12056	12251
50°	8574	8788	8788
55°	6726	6726	6726
60°	5511	5511	5511
65°	4890	4890	4890
70°	4431	4431	4431
75°	3726	3726	3726
80°	3174	3174	3174
85°	1581	1581	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 12251 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.3	17.5
10°-20°	248.8	34.5
20°-30°	179.5	24.9
30°-40°	86.5	12.0
40°-50°	39.9	5.5
50°-60°	20.7	2.9
60°-70°	11.9	1.7
70°-80°	6.0	0.8
80°-90°	1.4	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°	554.6	76.9
0°-40°	641.1	88.9
0°-60°	701.7	97.3
0°-90°	721.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	721.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1462	1462	1462	1462	1462	
5°	1392	1395	1389	1390	1392	126
15°	918	916	911	907	896	250
25°	383	384	385	385	383	180
35°	132	132	133	133	133	86
45°	49	50	50	50	50	39
55°	22	22	22	22	22	20
65°	12	12	12	12	12	12
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°	1462.0	1462.0	1462.0	1462.0	1462.0
1°	1458.0	1460.4	1459.6	1460.4	1459.6
2°	1450.8	1452.4	1450.8	1451.6	1451.6
3°	1435.6	1437.2	1437.2	1436.4	1435.6
4°	1417.2	1421.2	1417.2	1418.0	1415.6
5°	1391.7	1394.9	1389.3	1390.1	1391.7
6°	1360.5	1361.3	1359.7	1358.9	1357.3
7°	1324.6	1327.8	1322.2	1323.0	1321.4
8°	1286.2	1285.4	1285.4	1282.2	1277.4
9°	1239.9	1243.1	1238.3	1236.7	1237.5
10°	1194.3	1194.3	1190.3	1186.3	1188.7
11°	1142.4	1140.8	1138.4	1132.8	1131.2
12°	1085.7	1088.9	1081.7	1079.3	1073.7
13°	1027.4	1032.2	1029.0	1020.2	1021.0
14°	973.0	969.9	967.5	965.9	960.3
15°	917.9	916.3	910.7	906.7	896.4
17.5°	766.9	768.5	758.1	756.5	752.6
20°	624.7	619.9	619.1	619.9	615.1
22.5°	492.9	497.7	492.1	492.9	489.7
25°	382.7	383.5	385.1	385.1	382.7
27.5°	297.2	297.2	295.6	297.2	294.8
30°	225.3	225.3	226.9	228.5	225.3
32.5°	174.2	174.2	174.2	175.0	175.8
35°	131.8	131.8	132.6	132.6	132.6
37.5°	101.5	102.3	103.1	103.1	103.1
40°	78.3	79.1	79.1	79.9	79.1
42.5°	62.3	62.3	62.3	63.1	63.1
45°	48.7	49.5	49.5	50.3	50.3
47.5°	39.9	39.9	39.9	40.7	40.7
50°	32.0	32.8	32.8	32.8	32.8
52.5°	26.4	26.4	27.2	27.2	27.2
55°	22.4	22.4	22.4	22.4	22.4
57.5°	18.4	19.2	19.2	19.2	19.2
60°	16.0	16.0	16.0	16.0	16.0
62.5°	13.6	13.6	13.6	13.6	13.6
65°	12.0	12.0	12.0	12.0	12.0
67.5°	9.6	10.4	10.4	10.4	10.4
70°	8.8	8.8	8.8	8.8	8.8
72.5°	6.4	7.2	7.2	7.2	7.2
75°	5.6	5.6	5.6	5.6	5.6
77.5°	4.8	4.0	4.0	4.0	4.8
80°	3.2	3.2	3.2	3.2	3.2
82.5°	2.4	2.4	2.4	2.4	2.4
85°	0.8	0.8	0.8	0.8	1.6
87.5°	0.0	0.0	0.0	0.8	0.8



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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)