

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: P1316963

Luminaire Tested: P3SQAS09R259830DE010 E3SQPHL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316963
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS09R259830DE010 E3SQPHL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 3000K CCT AND, 98CRI , E3SQPHL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

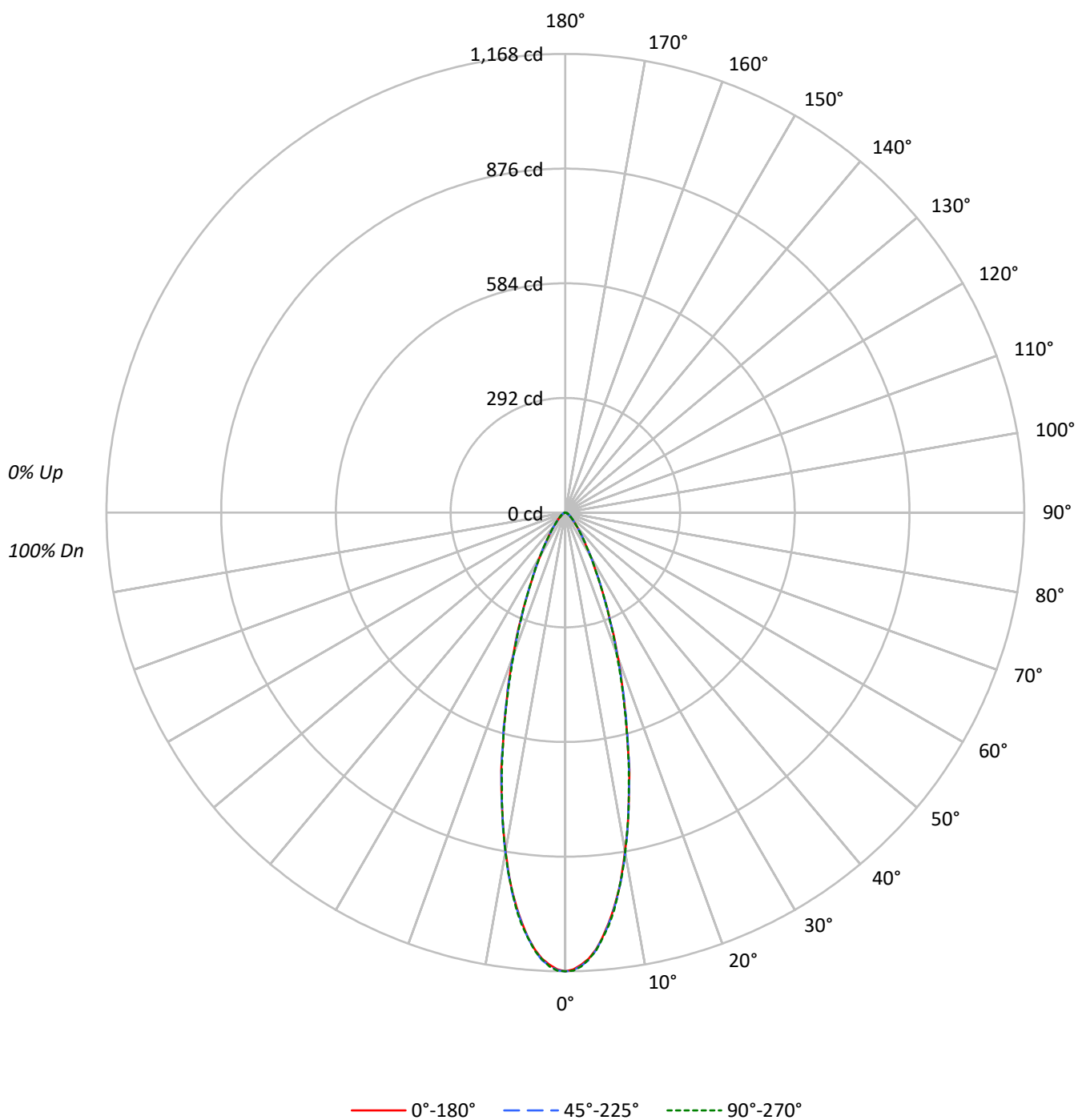
Lumens per Lamp: N/A
Luminaire Lumens: 468.0 lumens
Efficiency: N/A
Efficacy: 42.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	73		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	201156	201156	201156
5°	187766	187938	188042
10°	153142	153632	153632
15°	109386	109974	109386
20°	71587	70891	69883
25°	42566	42775	42566
30°	25634	25634	25534
35°	15621	15726	15621
40°	9960	10072	10072
45°	6917	6917	6917
50°	4984	5117	5117
55°	3933	3933	4114
60°	3203	3376	3376
65°	2893	2893	2893
70°	2467	2467	2769
75°	2196	2196	2529
80°	2182	2182	2182
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6917 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.1	20.7
10°-20°	169.2	36.2
20°-30°	106.4	22.7
30°-40°	48.7	10.4
40°-50°	22.7	4.9
50°-60°	12.2	2.6
60°-70°	7.2	1.5
70°-80°	3.8	0.8
80°-90°	0.8	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°	372.6	79.6
0°-40°	421.3	90.0
0°-60°	456.2	97.5
0°-90°	468.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	468.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1168	1168	1168	1168	1168	
5°	1086	1088	1087	1088	1088	97
15°	614	617	617	618	614	169
25°	224	227	225	225	224	107
35°	74	74	75	75	74	49
45°	28	28	28	28	28	23
55°	13	13	13	14	14	12
65°	7	7	7	7	7	7
75°	3	3	3	4	4	4
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1168.0	1168.0	1168.0	1168.0	1168.0
1°	1163.1	1164.2	1165.3	1166.9	1166.4
2°	1152.2	1154.3	1154.9	1157.1	1156.5
3°	1137.4	1136.9	1141.2	1141.2	1138.5
4°	1114.5	1115.6	1116.6	1117.7	1118.3
5°	1086.1	1088.2	1087.1	1088.2	1087.7
6°	1051.1	1054.4	1053.8	1054.9	1056.6
7°	1013.9	1016.1	1016.1	1015.0	1019.4
8°	973.5	971.9	974.6	973.5	973.0
9°	925.4	928.7	929.3	926.5	927.6
10°	875.7	877.9	878.5	880.1	878.5
11°	826.6	826.6	827.7	830.4	826.0
12°	773.0	777.9	773.0	775.2	773.0
13°	722.2	723.3	722.2	721.7	717.8
14°	674.1	670.3	671.4	667.0	667.6
15°	613.5	617.3	616.8	617.9	613.5
17.5°	493.3	495.5	495.0	493.9	488.4
20°	390.6	390.6	386.8	384.6	381.3
22.5°	298.3	297.2	295.6	293.9	295.0
25°	224.0	226.7	225.1	225.1	224.0
27.5°	169.4	172.6	169.9	168.3	169.4
30°	128.9	130.0	128.9	128.4	128.4
32.5°	97.2	97.8	97.2	97.2	97.2
35°	74.3	74.3	74.8	74.8	74.3
37.5°	57.4	57.4	57.4	57.4	57.9
40°	44.3	44.8	44.8	44.8	44.8
42.5°	35.0	35.5	35.5	35.5	35.5
45°	28.4	28.4	28.4	28.4	28.4
47.5°	22.9	22.9	22.9	22.9	23.5
50°	18.6	19.1	19.1	19.1	19.1
52.5°	15.8	15.8	15.8	15.8	15.8
55°	13.1	13.1	13.1	13.7	13.7
57.5°	10.9	10.9	11.5	11.5	11.5
60°	9.3	9.8	9.8	9.8	9.8
62.5°	8.2	8.2	8.7	8.7	8.7
65°	7.1	7.1	7.1	7.1	7.1
67.5°	6.0	6.0	6.0	6.0	6.6
70°	4.9	4.9	4.9	5.5	5.5
72.5°	4.4	4.4	4.4	4.4	4.4
75°	3.3	3.3	3.3	3.8	3.8
77.5°	2.7	2.7	2.7	2.7	2.7
80°	2.2	2.2	2.2	2.2	2.2
82.5°	1.1	1.1	1.6	1.6	1.6
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0



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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)