

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: P1316619

Luminaire Tested: P3SQAS20R709827D010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316619
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R709827D010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

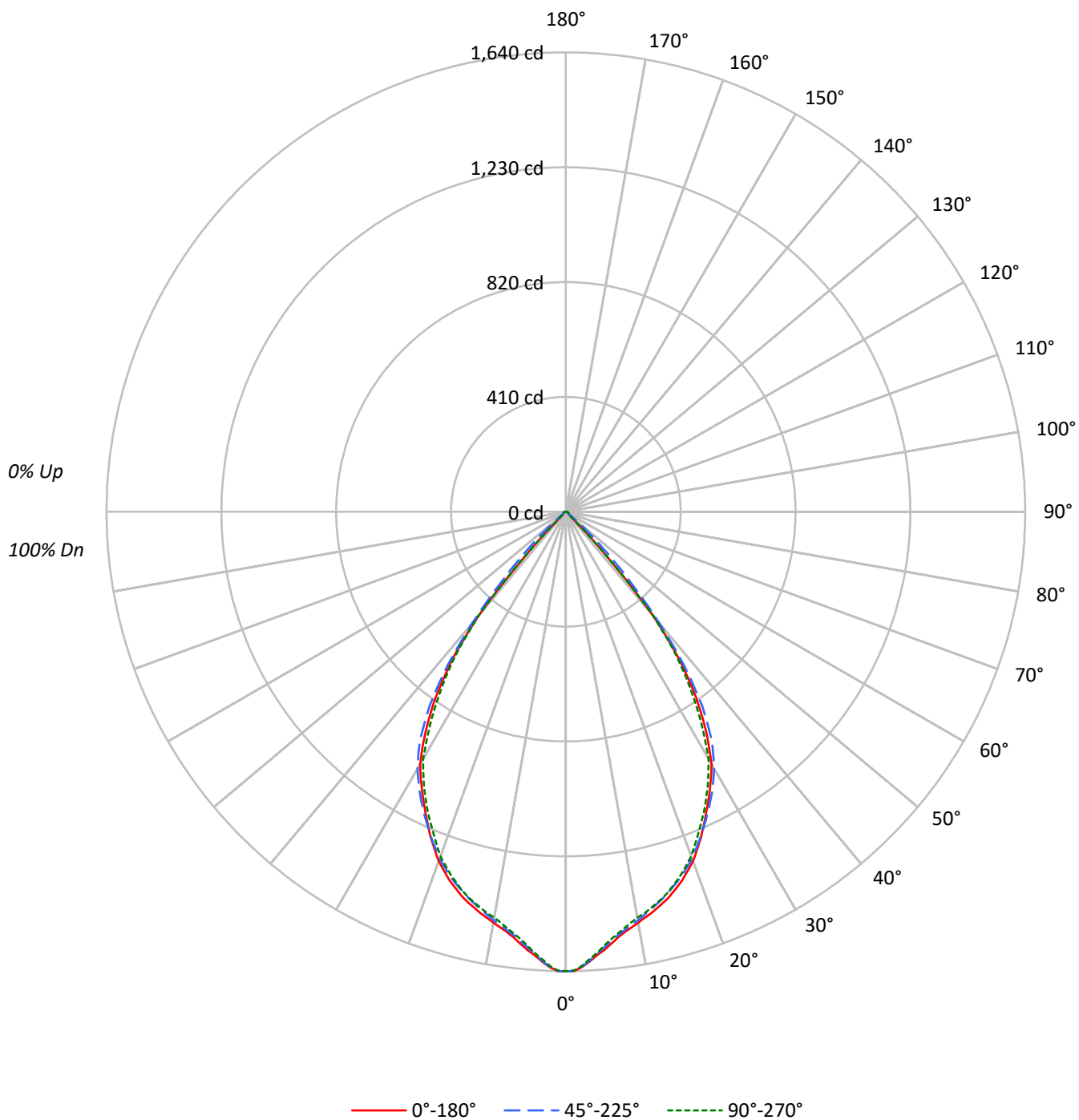
Lumens per Lamp: N/A
Luminaire Lumens: 1749.0 lumens
Efficiency: N/A
Efficacy: 63.8 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		81
5	91	82	76	71	89	81	75	71	79	74	70		77	73	69		76
6	86	76	70	65	84	75	69	65	74	69	65		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	62	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	48	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	282497	282497	282497
5°	271543	270057	269089
10°	260500	259014	257283
15°	253950	251151	250901
20°	243317	241502	239926
25°	225277	226892	222559
30°	206920	210599	202684
35°	170635	178708	164075
40°	108656	116952	108656
45°	7623	50539	8305
50°	3430	10289	3430
55°	3843	3843	3843
60°	3927	3927	3927
65°	3464	4034	3464
70°	3575	4280	3575
75°	3793	3793	3793
80°	4265	4265	4265
85°	2766	5533	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 50539 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.4	8.4
10°-20°	396.3	22.7
20°-30°	544.7	31.1
30°-40°	498.9	28.5
40°-50°	132.4	7.6
50°-60°	11.8	0.7
60°-70°	9.6	0.5
70°-80°	6.4	0.4
80°-90°	2.4	0.1
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°	1087.4	62.2
0°-40°	1586.3	90.7
0°-60°	1730.5	98.9
0°-90°	1749.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1749.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1640	1640	1640	1640	1640	
5°	1571	1564	1562	1559	1556	147
15°	1424	1412	1409	1409	1407	400
25°	1186	1190	1194	1180	1171	545
35°	812	824	850	812	780	492
45°	31	107	208	108	34	94
55°	13	13	13	13	13	11
65°	8	10	10	10	8	9
75°	6	6	6	6	6	6
85°	1	3	3	3	1	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1640.3	1640.3	1640.3	1640.3	1640.3
1°	1640.3	1637.5	1640.3	1640.3	1637.5
2°	1627.5	1624.7	1626.1	1624.7	1623.3
3°	1609.0	1604.8	1606.2	1603.4	1600.5
4°	1587.7	1583.5	1583.5	1582.0	1579.2
5°	1570.7	1563.6	1562.1	1559.3	1556.5
6°	1550.8	1543.7	1542.2	1538.0	1535.1
7°	1530.9	1525.2	1523.8	1518.1	1518.1
8°	1515.2	1508.1	1508.1	1501.0	1501.0
9°	1502.4	1493.9	1493.9	1488.2	1485.4
10°	1489.6	1481.1	1481.1	1474.0	1471.2
11°	1476.9	1469.7	1466.9	1462.6	1461.2
12°	1465.5	1455.5	1452.7	1451.3	1448.4
13°	1451.3	1441.3	1438.5	1437.1	1435.6
14°	1438.5	1425.7	1424.3	1421.4	1422.8
15°	1424.3	1411.5	1408.6	1408.6	1407.2
17.5°	1380.2	1371.7	1367.4	1364.6	1361.7
20°	1327.6	1320.5	1317.7	1312.0	1309.1
22.5°	1259.4	1258.0	1256.5	1249.4	1238.1
25°	1185.5	1189.7	1194.0	1179.8	1171.2
27.5°	1114.4	1125.8	1130.0	1115.8	1097.3
30°	1040.5	1050.4	1059.0	1039.1	1019.2
32.5°	933.9	958.0	970.8	948.1	902.6
35°	811.6	824.4	850.0	811.6	780.4
37.5°	669.5	676.6	696.5	670.9	649.6
40°	483.3	504.6	520.2	504.6	483.3
42.5°	217.5	304.2	344.0	321.2	227.4
45°	31.3	106.6	207.5	108.0	34.1
47.5°	12.8	17.1	108.0	15.6	12.8
50°	12.8	12.8	38.4	12.8	12.8
52.5°	12.8	12.8	14.2	12.8	12.8
55°	12.8	12.8	12.8	12.8	12.8
57.5°	11.4	11.4	12.8	11.4	11.4
60°	11.4	11.4	11.4	11.4	11.4
62.5°	9.9	11.4	11.4	11.4	9.9
65°	8.5	9.9	9.9	9.9	8.5
67.5°	8.5	8.5	8.5	8.5	8.5
70°	7.1	8.5	8.5	8.5	7.1
72.5°	7.1	7.1	7.1	7.1	7.1
75°	5.7	5.7	5.7	5.7	5.7
77.5°	4.3	5.7	5.7	5.7	4.3
80°	4.3	4.3	4.3	4.3	4.3
82.5°	2.8	2.8	2.8	2.8	2.8
85°	1.4	2.8	2.8	2.8	1.4
87.5°	1.4	1.4	1.4	1.4	1.4



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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)