

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: P1316495

Luminaire Tested: P3SQAS20R159827D010 E3SQPHLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316495
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R159827D010 E3SQPHLP1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 98CRI , E3SQPHLP1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

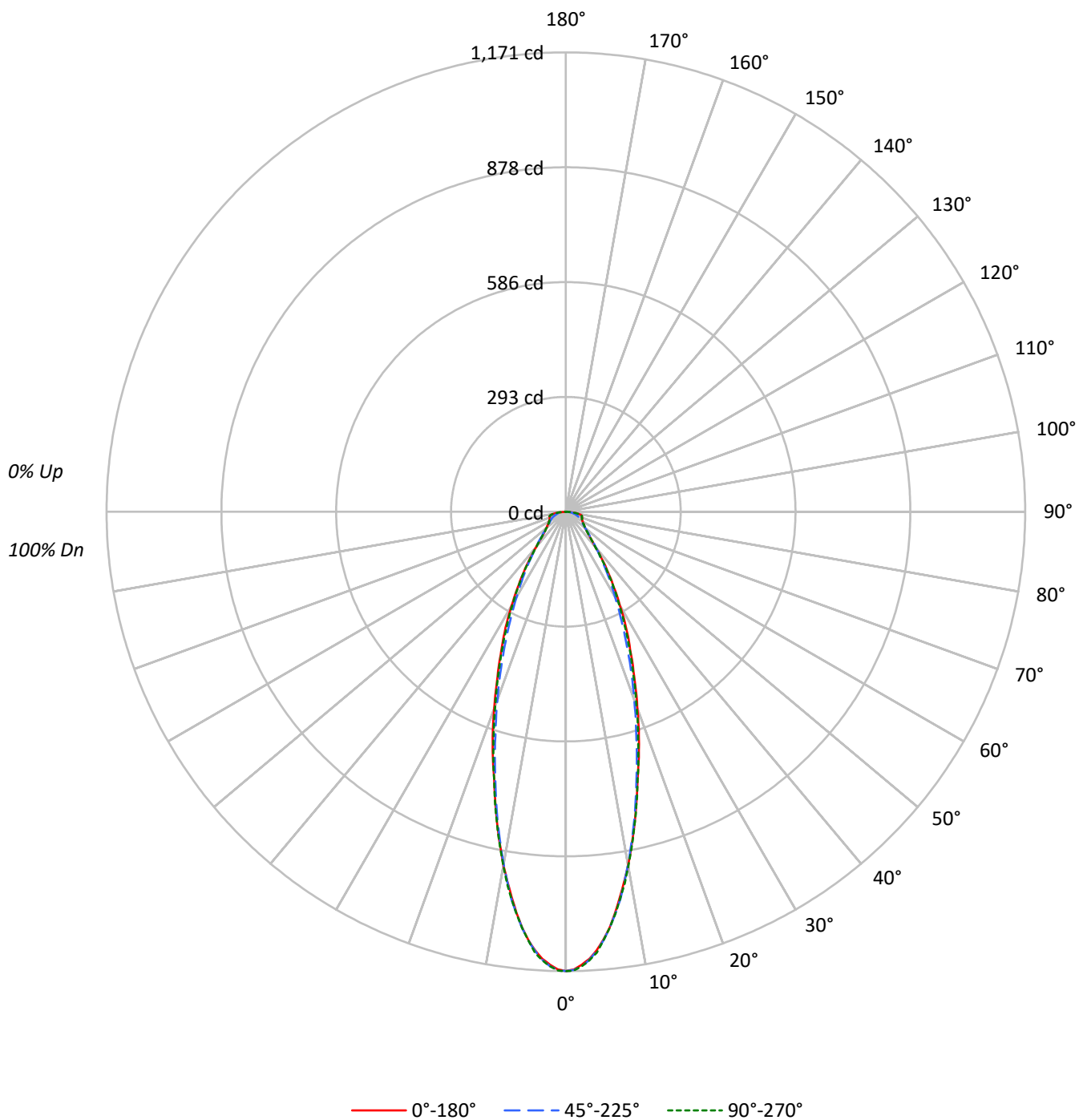
Lumens per Lamp: N/A
Luminaire Lumens: 785.0 lumens
Efficiency: N/A
Efficacy: 28.6 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	111	108	104	101	109	105	102	100	101	99	96		97	95	94		94
2	104	98	93	88	102	96	91	87	93	89	85		90	86	83		87
3	98	90	84	79	96	88	83	78	86	81	77		83	79	76		81
4	92	83	76	71	90	82	76	71	80	74	70		77	73	69		75
5	87	77	70	65	85	76	70	65	74	69	64		73	68	64		71
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67
7	78	68	61	56	77	67	60	56	66	60	56		64	59	55		63
8	74	64	57	52	73	63	57	52	62	56	52		61	56	52		60
9	71	60	54	49	70	60	53	49	59	53	49		58	53	49		57
10	68	57	51	47	67	57	51	47	56	50	46		55	50	46		54

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	201673	201673	201673
5°	189408	189650	189650
10°	159997	159490	160487
15°	125825	124060	126075
20°	97796	93361	96476
25°	73806	68676	72723
30°	54887	50074	53753
35°	39190	36499	38580
40°	26551	26866	26237
45°	19753	20800	19753
50°	17148	17148	17148
55°	16664	15794	16664
60°	17153	15672	16671
65°	18542	16219	18542
70°	22206	16466	22206
75°	28413	17035	28413
80°	35308	18348	33820
85°	28060	16796	31024

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 80°

Luminance: 35308 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.8	12.6
10°-20°	195.2	24.9
20°-30°	172.6	22.0
30°-40°	113.4	14.4
40°-50°	66.2	8.4
50°-60°	48.8	6.2
60°-70°	41.6	5.3
70°-80°	34.3	4.4
80°-90°	14.2	1.8
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°	466.6	59.4
0°-40°	579.9	73.9
0°-60°	694.9	88.5
0°-90°	785.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	785.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1171	1171	1171	1171	1171	
5°	1096	1096	1097	1098	1097	99
15°	706	706	696	704	707	197
25°	388	376	361	371	383	180
35°	186	179	174	178	184	118
45°	81	82	85	82	81	65
55°	56	54	53	54	56	50
65°	46	41	40	41	46	46
75°	43	31	26	33	43	44
85°	14	16	8	14	16	16
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1171.0	1171.0	1171.0	1171.0	1171.0
1°	1166.7	1168.1	1168.1	1169.6	1169.6
2°	1155.3	1158.2	1159.6	1159.6	1159.6
3°	1141.1	1142.5	1143.9	1145.4	1145.4
4°	1121.2	1122.6	1122.6	1125.5	1126.9
5°	1095.6	1095.6	1097.0	1098.4	1097.0
6°	1065.7	1065.7	1067.1	1067.1	1067.1
7°	1030.1	1031.5	1033.0	1034.4	1033.0
8°	991.7	993.1	997.4	997.4	996.0
9°	953.3	954.7	954.7	959.0	959.0
10°	914.9	914.9	912.0	914.9	917.7
12.5°	811.0	809.6	805.3	809.6	812.4
15°	705.7	705.7	695.8	704.3	707.1
17.5°	620.4	607.5	597.6	606.1	613.2
20°	533.6	520.8	509.4	517.9	526.4
22.5°	455.3	445.3	431.1	439.7	449.6
25°	388.4	375.6	361.4	371.4	382.7
27.5°	332.9	315.9	301.6	313.0	323.0
30°	276.0	264.6	251.8	260.4	270.3
32.5°	227.7	219.1	209.2	216.3	224.8
35°	186.4	179.3	173.6	177.9	183.5
37.5°	149.4	146.6	143.7	145.1	145.1
40°	118.1	119.5	119.5	119.5	116.7
42.5°	96.8	98.2	101.0	98.2	96.8
45°	81.1	82.5	85.4	82.5	81.1
47.5°	71.1	72.6	74.0	71.1	71.1
50°	64.0	64.0	64.0	64.0	64.0
52.5°	59.8	58.3	58.3	58.3	59.8
55°	55.5	54.1	52.6	54.1	55.5
57.5°	51.2	49.8	48.4	49.8	51.2
60°	49.8	47.0	45.5	47.0	48.4
62.5°	47.0	44.1	42.7	44.1	47.0
65°	45.5	41.3	39.8	41.3	45.5
67.5°	44.1	38.4	35.6	38.4	44.1
70°	44.1	35.6	32.7	37.0	44.1
72.5°	42.7	34.1	28.5	34.1	42.7
75°	42.7	31.3	25.6	32.7	42.7
77.5°	39.8	28.5	21.3	29.9	39.8
80°	35.6	25.6	18.5	27.0	34.1
82.5°	25.6	21.3	14.2	21.3	25.6
85°	14.2	15.7	8.5	14.2	15.7
87.5°	1.4	4.3	2.8	8.5	7.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)