

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: P1309404

Luminaire Tested: P3SQAS20R209035D010 E3SQPHLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309404
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R209035D010 E3SQPHLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3SQPHLD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

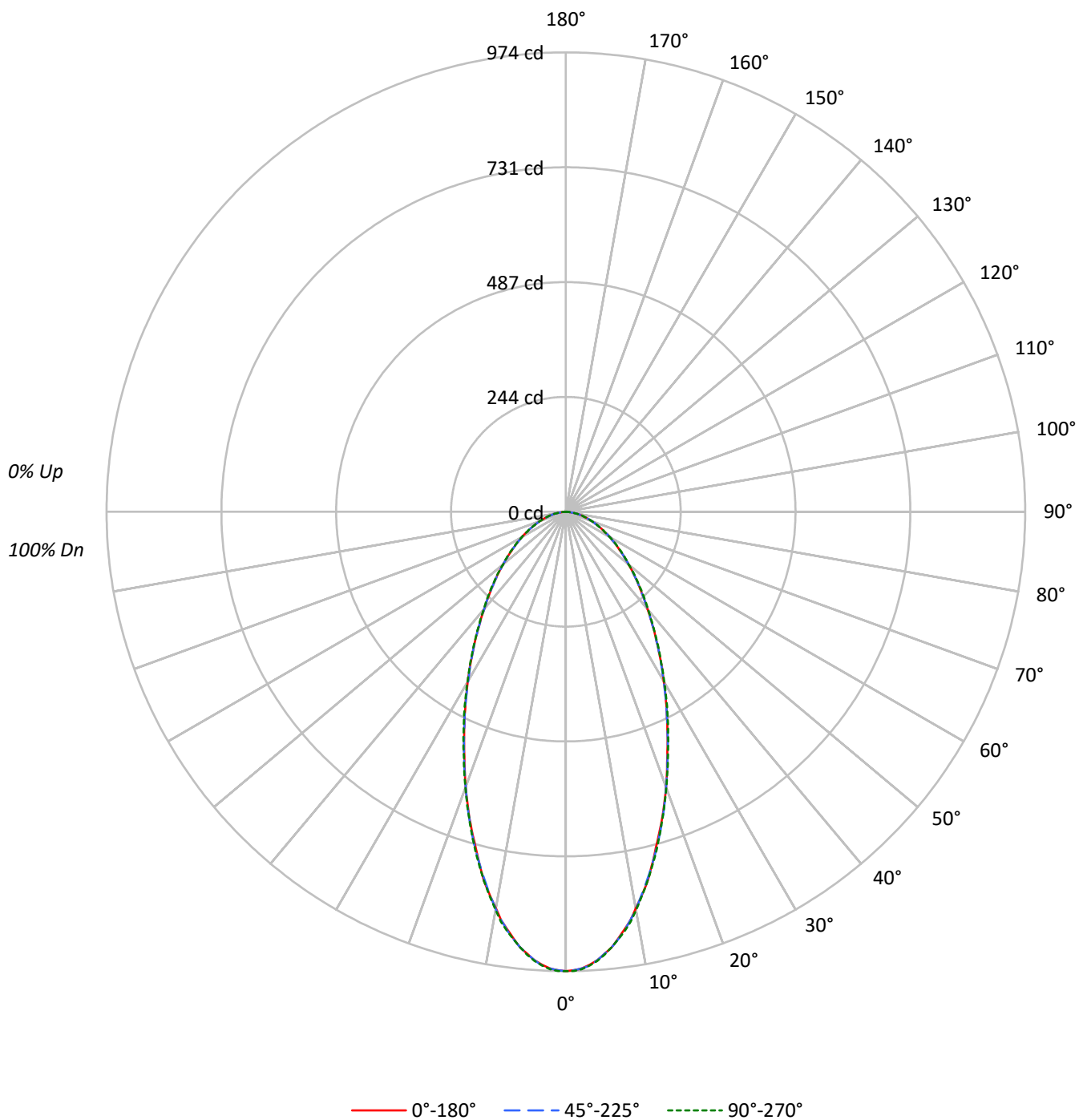
Lumens per Lamp: N/A
Luminaire Lumens: 1165.0 lumens
Efficiency: N/A
Efficacy: 40.5 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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

TEST NUMBER: P1309404

CATALOG NUMBER: P3SQAS20R209035D010 E3SQPHLD1MW

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	107	104	100	108	105	102	99	101	98	96		97	95	93		93
2	103	96	91	86	100	94	89	85	91	87	83		88	84	81		85
3	96	87	80	75	93	85	79	74	82	77	73		80	75	72		77
4	89	79	71	66	87	78	71	65	75	69	65		73	68	64		71
5	83	72	64	59	81	71	64	58	69	63	58		67	62	57		65
6	78	66	59	53	76	65	58	53	64	57	52		62	56	52		61
7	73	61	54	48	71	60	53	48	59	53	48		58	52	48		56
8	69	57	49	44	67	56	49	44	55	49	44		54	48	44		53
9	65	53	46	41	63	52	46	41	51	45	41		50	45	40		49
10	61	50	43	38	60	49	42	38	48	42	38		47	42	38		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	167745	167745	167745
5°	162663	162663	162974
10°	149347	149644	149959
15°	131495	132101	132422
20°	113796	113796	114126
25°	96838	96838	97503
30°	82668	82310	83006
35°	70579	70579	70937
40°	60612	60612	60994
45°	52950	52950	53364
50°	46593	46593	46593
55°	41256	41256	41766
60°	37131	37131	37131
65°	33294	33294	33294
70°	29760	29760	29760
75°	26617	25485	26617
80°	22414	22414	22414
85°	13832	13832	17191

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 53364 cd/sqm

TEST NUMBER: P1309404

CATALOG NUMBER: P3SQAS20R209035D010 E3SQPHLD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.1	7.5
10°-20°	206.2	17.7
20°-30°	234.8	20.2
30°-40°	210.8	18.1
40°-50°	168.9	14.5
50°-60°	124.1	10.7
60°-70°	81.1	7.0
70°-80°	42.1	3.6
80°-90°	9.8	0.8
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°	528.1	45.3
0°-40°	739.0	63.4
0°-60°	1032.0	88.6
0°-90°	1165.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1165.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	974	974	974	974	974	
5°	941	941	941	941	943	87
15°	738	738	741	741	743	206
25°	510	510	510	511	513	235
35°	336	336	336	336	337	211
45°	217	217	217	217	219	169
55°	137	137	137	137	139	124
65°	82	80	82	82	82	81
75°	40	38	38	40	40	42
85°	7	7	7	9	9	9
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	974.0	974.0	974.0	974.0	974.0
1°	972.3	970.5	972.3	972.3	974.0
2°	968.8	968.8	968.8	967.0	970.5
3°	961.8	961.8	963.6	961.8	963.6
4°	953.1	953.1	953.1	951.4	954.9
5°	940.9	940.9	940.9	940.9	942.7
6°	928.8	927.0	928.8	927.0	928.8
7°	911.4	911.4	913.1	911.4	913.1
8°	894.0	892.2	895.7	894.0	897.5
9°	876.6	874.9	876.6	874.9	880.1
10°	854.0	855.7	855.7	855.7	857.5
12.5°	801.8	798.3	798.3	798.3	801.8
15°	737.5	737.5	740.9	740.9	742.7
17.5°	680.1	678.3	681.8	681.8	681.8
20°	620.9	619.2	620.9	620.9	622.7
22.5°	561.8	563.5	563.5	563.5	565.3
25°	509.6	509.6	509.6	511.3	513.1
27.5°	460.9	459.2	460.9	462.6	464.4
30°	415.7	413.9	413.9	415.7	417.4
32.5°	373.9	372.2	373.9	373.9	375.7
35°	335.7	335.7	335.7	335.7	337.4
37.5°	300.9	300.9	300.9	302.6	302.6
40°	269.6	269.6	269.6	271.3	271.3
42.5°	241.8	241.8	241.8	243.5	245.2
45°	217.4	217.4	217.4	217.4	219.1
47.5°	194.8	194.8	194.8	196.5	196.5
50°	173.9	172.2	173.9	175.7	173.9
52.5°	154.8	154.8	154.8	154.8	156.5
55°	137.4	137.4	137.4	137.4	139.1
57.5°	121.7	121.7	121.7	123.5	123.5
60°	107.8	107.8	107.8	107.8	107.8
62.5°	93.9	93.9	93.9	93.9	93.9
65°	81.7	80.0	81.7	81.7	81.7
67.5°	69.6	69.6	69.6	69.6	69.6
70°	59.1	59.1	59.1	59.1	59.1
72.5°	48.7	48.7	48.7	48.7	48.7
75°	40.0	38.3	38.3	40.0	40.0
77.5°	31.3	29.6	31.3	31.3	31.3
80°	22.6	22.6	22.6	22.6	22.6
82.5°	13.9	13.9	13.9	15.7	15.7
85°	7.0	7.0	7.0	8.7	8.7
87.5°	1.7	1.7	1.7	3.5	3.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)