

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: P1317496

Luminaire Tested: P3SQAS20R709830D010 E3SQCLDWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317496
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS20R709830D010 E3SQCLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , E3SQCLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

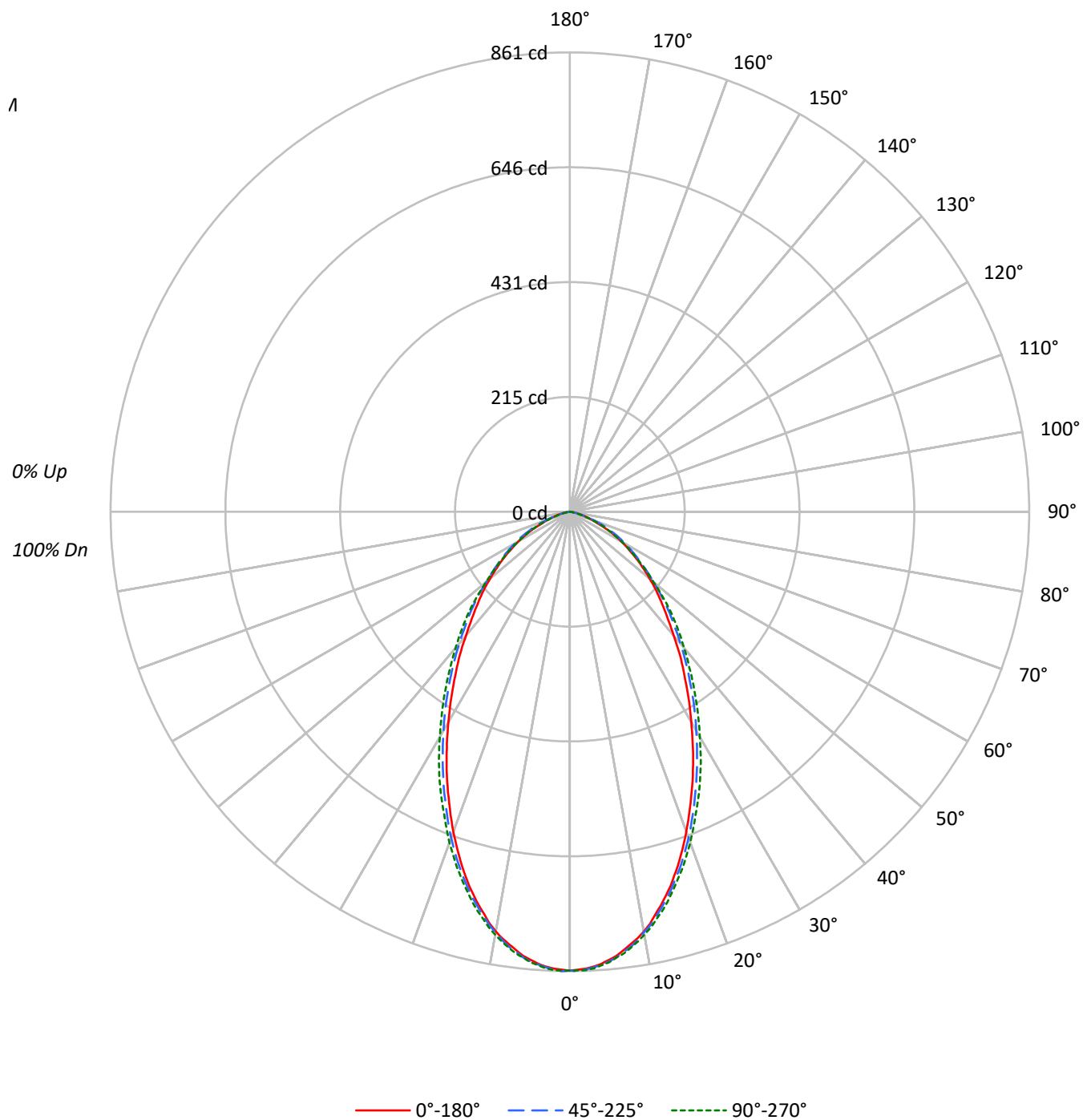
Lumens per Lamp: N/A
Luminaire Lumens: 1231.0 lumens
Efficiency: N/A
Efficacy: 44.9 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 0.99
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1317496

CATALOG NUMBER: P3SQAS20R709830D010 E3SQCLDWW1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1317496

CATALOG NUMBER: P3SQAS20R709830D010 E3SQCLDWW1MB

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	102	109	106	103	100	101	99	97		98	96	94		94
2	103	97	92	87	101	95	90	86	92	88	84		89	85	82		86
3	96	87	81	76	94	86	80	75	83	78	74		81	76	72		78
4	89	79	72	66	87	78	71	66	76	70	65		74	69	64		72
5	83	72	65	59	81	71	64	59	69	63	58		67	62	58		66
6	78	66	59	53	76	65	58	53	64	57	53		62	56	52		61
7	73	61	53	48	71	60	53	48	59	52	48		58	52	47		56
8	68	57	49	44	67	56	49	44	55	48	44		53	48	43		52
9	64	53	45	40	63	52	45	40	51	45	40		50	44	40		49
10	61	49	42	37	60	49	42	37	48	41	37		47	41	37		46

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	148094	148094	148094
5°	145756	146274	146551
10°	139694	139956	140760
15°	129623	130710	131798
20°	117003	119239	120925
25°	103622	106510	109132
30°	90504	94163	96887
35°	78674	82837	85423
40°	67986	72460	74865
45°	59526	63618	65469
50°	52380	54845	54845
55°	45399	47681	46330
60°	38406	41023	38922
65°	29871	34231	31134
70°	21552	25379	21552
75°	16236	15238	12177
80°	10612	7538	3075
85°	2964	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 65469 cd/sqm

TEST NUMBER: P1317496

CATALOG NUMBER: P3SQAS20R709830D010 E3SQCLDWW1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.3	6.4
10°-20°	204.6	16.6
20°-30°	256.9	20.9
30°-40°	245.3	19.9
40°-50°	199.5	16.2
50°-60°	139.6	11.3
60°-70°	78.8	6.4
70°-80°	25.0	2.0
80°-90°	1.9	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°	540.8	43.9
0°-40°	786.1	63.9
0°-60°	1125.2	91.4
0°-90°	1231.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1231.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	860	860	860	860	860	
5°	843	845	846	845	848	79
15°	727	728	733	735	739	203
25°	545	551	560	570	574	250
35°	374	380	394	402	406	235
45°	244	250	261	266	269	190
55°	151	153	159	156	154	135
65°	73	78	84	79	76	74
75°	24	24	23	20	18	26
85°	2	2	0	0	0	3
90°	0	0	0	0	0	

TEST NUMBER: P1317496

CATALOG NUMBER: P3SQAS20R709830D010 E3SQCLDWW1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	859.9	859.9	859.9	859.9	859.9
1°	858.4	859.9	861.4	858.4	859.9
2°	856.8	858.4	858.4	856.8	859.9
3°	853.8	855.3	855.3	853.8	856.8
4°	849.2	850.7	850.7	849.2	852.2
5°	843.1	844.6	846.1	844.6	847.7
6°	837.0	838.5	840.0	838.5	840.0
7°	827.8	830.9	830.9	830.9	833.9
8°	818.6	821.7	823.2	821.7	824.8
9°	809.5	811.0	812.5	812.5	815.6
10°	798.8	800.3	800.3	801.8	804.9
11°	786.6	786.6	789.6	789.6	794.2
12°	771.3	772.8	775.9	777.4	780.5
13°	757.6	759.1	762.1	763.7	768.2
14°	742.3	745.3	748.4	749.9	754.5
15°	727.0	728.5	733.1	734.6	739.2
17.5°	684.2	685.8	693.4	696.5	701.0
20°	638.4	643.0	650.6	655.2	659.8
22.5°	591.1	595.7	604.8	612.5	615.5
25°	545.3	551.4	560.5	569.7	574.3
27.5°	499.4	505.5	516.2	525.4	531.5
30°	455.1	461.3	473.5	481.1	487.2
32.5°	413.9	420.0	433.8	441.4	446.0
35°	374.2	380.3	394.0	401.7	406.3
37.5°	339.1	345.2	357.4	365.0	368.1
40°	302.4	310.0	322.3	329.9	333.0
42.5°	271.9	278.0	290.2	296.3	300.9
45°	244.4	250.5	261.2	265.8	268.8
47.5°	219.9	223.0	232.2	233.7	236.7
50°	195.5	198.6	204.7	206.2	204.7
52.5°	172.6	175.6	180.2	178.7	178.7
55°	151.2	152.7	158.8	155.8	154.3
57.5°	129.8	132.9	139.0	134.4	132.9
60°	111.5	114.5	119.1	116.1	113.0
62.5°	93.2	94.7	102.3	96.2	93.2
65°	73.3	77.9	84.0	79.4	76.4
67.5°	55.0	62.6	68.7	62.6	59.6
70°	42.8	45.8	50.4	47.3	42.8
72.5°	32.1	33.6	35.1	32.1	29.0
75°	24.4	24.4	22.9	19.9	18.3
77.5°	16.8	16.8	13.7	9.2	9.2
80°	10.7	10.7	7.6	3.1	3.1
82.5°	4.6	4.6	3.1	1.5	1.5
85°	1.5	1.5	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1317496

CATALOG NUMBER: P3SQAS20R709830D010 E3SQCLDWW1MB

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)