

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: P1313800

Luminaire Tested: P3SQAS20R709730D010 E3SQCLDWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313800
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: P3SQAS20R709730D010 E3SQCLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , E3SQCLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

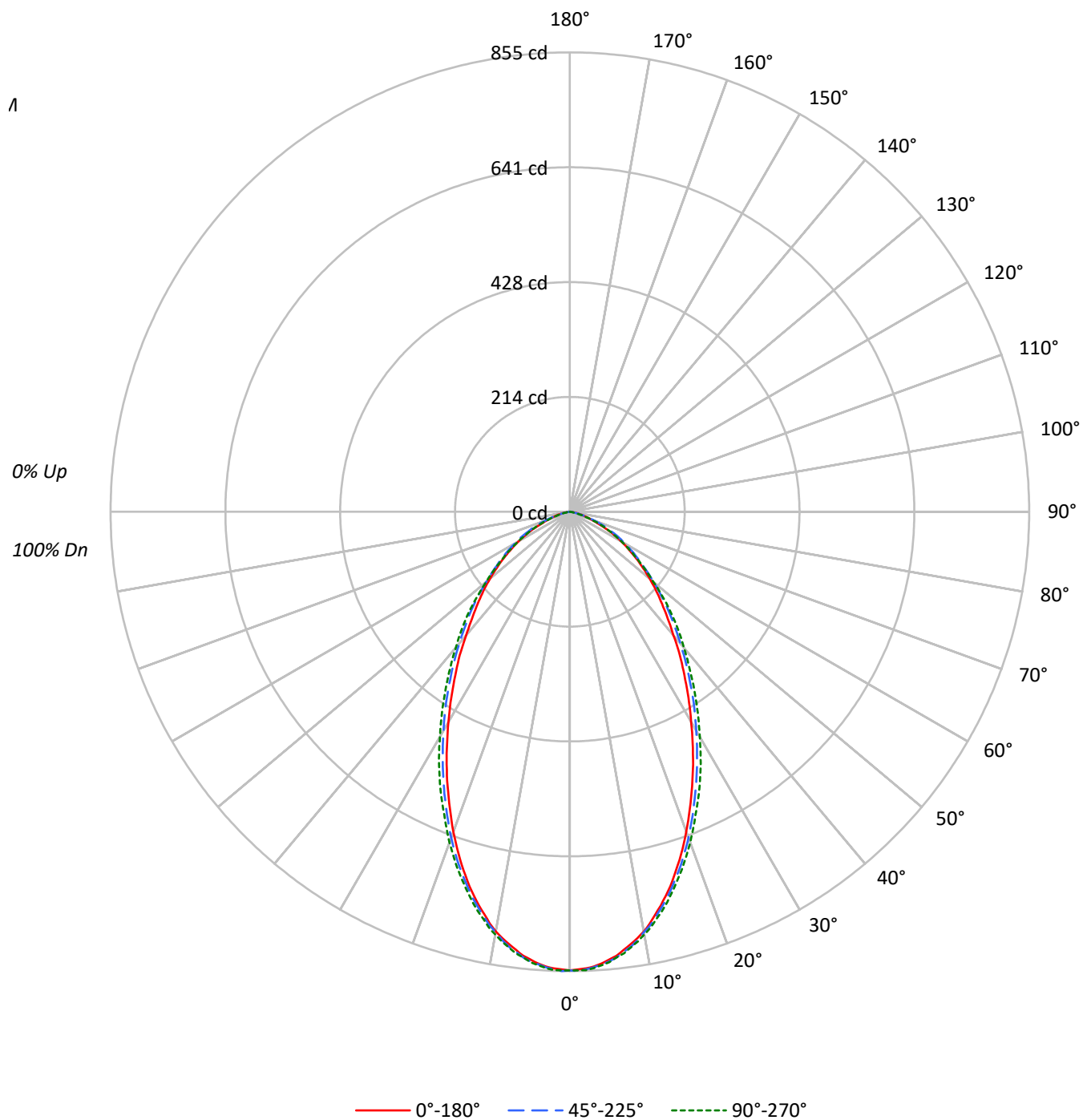
Lumens per Lamp: N/A
Luminaire Lumens: 1222.0 lumens
Efficiency: N/A
Efficacy: 42.4 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1313800

CATALOG NUMBER: P3SQAS20R709730D010 E3SQCLDWW1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1313800

CATALOG NUMBER: P3SQAS20R709730D010 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°	147009	147009	147009
5°	144684	145220	145479
10°	138679	138942	139729
15°	128678	129765	130835
20°	116160	118378	120045
25°	102861	105731	108334
30°	89847	93467	96191
35°	78106	82248	84792
40°	67491	71920	74303
45°	59088	63155	64982
50°	52005	54444	54444
55°	45069	47351	45970
60°	38130	40748	38647
65°	29667	33987	30890
70°	21401	25177	21401
75°	16170	15105	12111
80°	10513	7538	2975
85°	2964	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 64982 cd/sqm

TEST NUMBER: P1313800

CATALOG NUMBER: P3SQAS20R709730D010 E3SQCLDWW1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	6.4
10°-20°	203.1	16.6
20°-30°	255.0	20.9
30°-40°	243.5	19.9
40°-50°	198.0	16.2
50°-60°	138.6	11.3
60°-70°	78.3	6.4
70°-80°	24.8	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°	536.8	43.9
0°-40°	780.4	63.9
0°-60°	1117.0	91.4
0°-90°	1222.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1222.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	854	854	854	854	854	
5°	837	838	840	838	842	78
15°	722	723	728	729	734	201
25°	541	547	556	566	570	248
35°	372	378	391	399	403	233
45°	243	249	259	264	267	188
55°	150	152	158	155	153	134
65°	73	77	83	79	76	73
75°	24	24	23	20	18	26
85°	2	2	0	0	0	3
90°	0	0	0	0	0	

TEST NUMBER: P1313800

CATALOG NUMBER: P3SQAS20R709730D010 E3SQCLDWW1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	853.6	853.6	853.6	853.6	853.6
1°	852.1	853.6	855.1	852.1	853.6
2°	850.6	852.1	852.1	850.6	853.6
3°	847.5	849.0	849.0	847.5	850.6
4°	843.0	844.5	844.5	843.0	846.0
5°	836.9	838.4	840.0	838.4	841.5
6°	830.9	832.4	833.9	832.4	833.9
7°	821.8	824.8	824.8	824.8	827.8
8°	812.7	815.7	817.2	815.7	818.7
9°	803.6	805.1	806.6	806.6	809.6
10°	793.0	794.5	794.5	796.0	799.0
11°	780.8	780.8	783.9	783.9	788.4
12°	765.7	767.2	770.2	771.7	774.8
13°	752.0	753.5	756.6	758.1	762.6
14°	736.9	739.9	742.9	744.4	749.0
15°	721.7	723.2	727.8	729.3	733.8
17.5°	679.2	680.8	688.3	691.4	695.9
20°	633.8	638.3	645.9	650.4	655.0
22.5°	586.8	591.3	600.4	608.0	611.0
25°	541.3	547.3	556.4	565.5	570.1
27.5°	495.8	501.8	512.5	521.6	527.6
30°	451.8	457.9	470.0	477.6	483.7
32.5°	410.9	416.9	430.6	438.2	442.7
35°	371.5	377.5	391.2	398.7	403.3
37.5°	336.6	342.7	354.8	362.4	365.4
40°	300.2	307.8	319.9	327.5	330.5
42.5°	269.9	275.9	288.1	294.1	298.7
45°	242.6	248.6	259.3	263.8	266.8
47.5°	218.3	221.4	230.5	232.0	235.0
50°	194.1	197.1	203.2	204.7	203.2
52.5°	171.3	174.4	178.9	177.4	177.4
55°	150.1	151.6	157.7	154.6	153.1
57.5°	128.9	131.9	138.0	133.4	131.9
60°	110.7	113.7	118.3	115.2	112.2
62.5°	92.5	94.0	101.6	95.5	92.5
65°	72.8	77.3	83.4	78.8	75.8
67.5°	54.6	62.2	68.2	62.2	59.1
70°	42.5	45.5	50.0	47.0	42.5
72.5°	31.8	33.4	34.9	31.8	28.8
75°	24.3	24.3	22.7	19.7	18.2
77.5°	16.7	16.7	13.6	9.1	9.1
80°	10.6	10.6	7.6	3.0	3.0
82.5°	4.5	4.5	3.0	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: P1313800

CATALOG NUMBER: P3SQAS20R709730D010 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)