

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: P1307771

Luminaire Tested: P3SQAS05R709030DE010 E3SQCLDWW1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R709030DE010 E3SQCLDWW1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , E3SQCLDWW1MW TRI
Light Source: -
Ballast/Driver: -

Summary

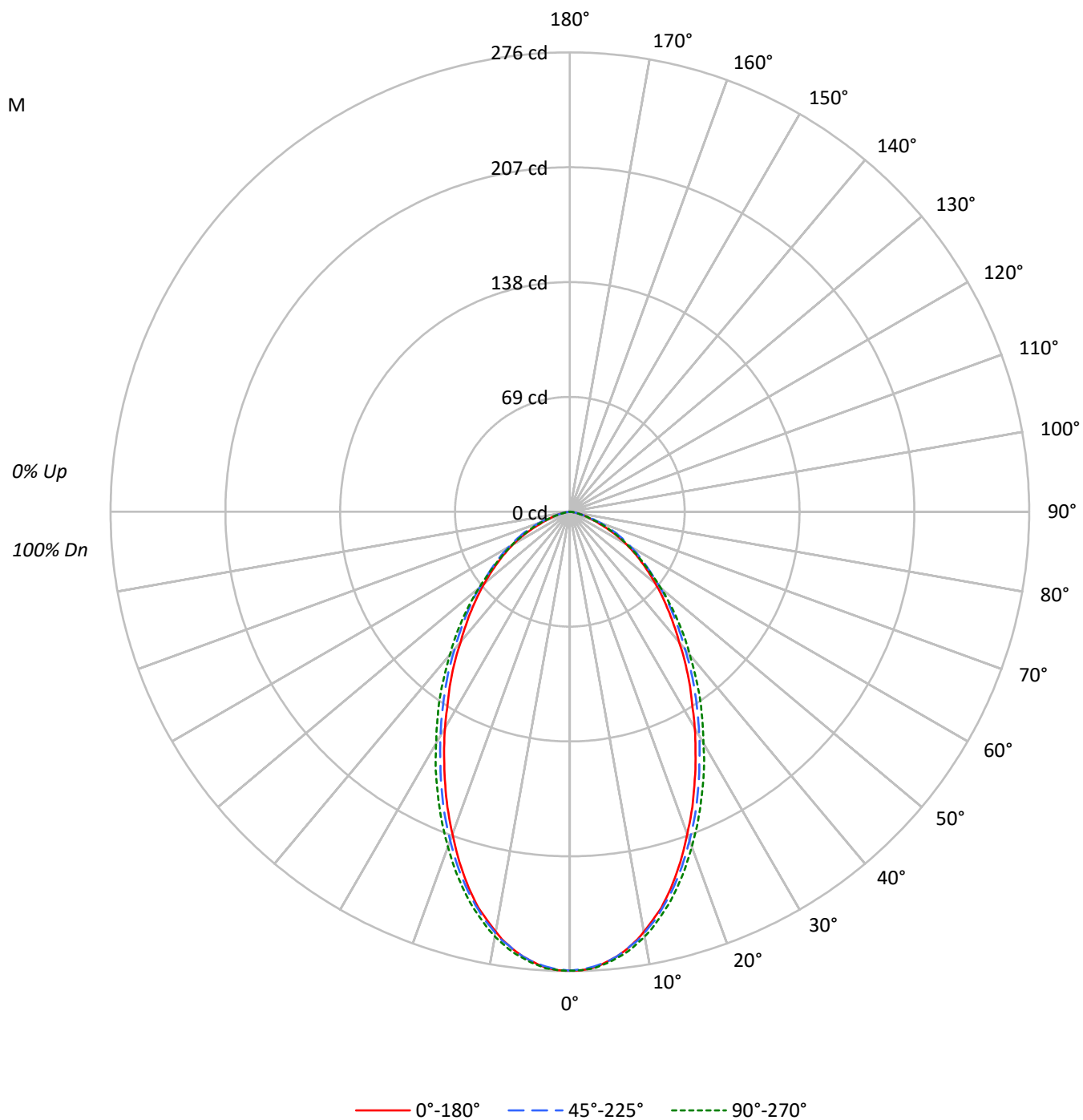
Lumens per Lamp: N/A
Luminaire Lumens: 414.0 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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: P1307771

CATALOG NUMBER: P3SQAS05R709030DE010 E3SQCLDWW1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1307771

CATALOG NUMBER: P3SQAS05R709030DE010 E3SQCLDWW1MW

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	101	109	105	102	99	101	98	96		97	95	93		94
2	103	96	91	86	101	95	89	85	91	87	83		88	84	81		85
3	95	87	80	75	93	85	79	74	82	77	73		80	75	71		77
4	89	78	71	65	87	77	70	65	75	69	64		73	67	63		71
5	83	71	64	58	81	70	63	58	68	62	57		67	61	57		65
6	77	65	58	52	75	64	57	52	63	56	51		61	55	51		60
7	72	60	52	47	70	59	52	47	58	51	47		57	51	46		55
8	68	56	48	43	66	55	48	43	54	47	42		53	47	42		51
9	64	52	44	39	62	51	44	39	50	44	39		49	43	39		48
10	60	48	41	36	59	48	41	36	47	40	36		46	40	36		45

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	47482	47482	47482
5°	46799	46799	46972
10°	44804	44979	45329
15°	41757	42114	42649
20°	37791	38525	39258
25°	33749	34699	35649
30°	29850	30943	31938
35°	26302	27458	28614
40°	22954	24191	25202
45°	20362	21458	22188
50°	17978	18916	19184
55°	15764	16664	16214
60°	13606	14639	13950
65°	10799	12633	11410
70°	7805	9819	8560
75°	5989	6321	5323
80°	3967	3967	2975
85°	1976	1976	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 22188 cd/sqm

TEST NUMBER: P1307771

CATALOG NUMBER: P3SQAS05R709030DE010 E3SQCLDWW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.4	6.1
10°-20°	66.0	15.9
20°-30°	83.8	20.3
30°-40°	81.6	19.7
40°-50°	67.8	16.4
50°-60°	48.9	11.8
60°-70°	28.8	6.9
70°-80°	10.2	2.5
80°-90°	1.5	0.4
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°	175.2	42.3
0°-40°	256.8	62.0
0°-60°	373.5	90.2
0°-90°	414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	414.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	276	276	276	276	276	
5°	271	270	271	271	272	25
15°	234	234	236	238	239	65
25°	178	180	183	186	188	82
35°	125	127	131	134	136	78
45°	84	85	88	90	91	65
55°	52	54	56	55	54	47
65°	26	28	31	30	28	26
75°	9	10	10	8	8	10
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1307771

CATALOG NUMBER: P3SQAS05R709030DE010 E3SQCLDWW1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	275.7	275.7	275.7	275.7	275.7
1°	275.7	275.2	275.2	275.2	275.7
2°	275.2	274.7	274.7	274.7	275.2
3°	274.2	273.7	273.7	273.7	274.7
4°	272.7	271.7	272.2	272.2	273.2
5°	270.7	270.2	270.7	270.7	271.7
6°	268.7	268.2	268.7	268.7	269.7
7°	266.2	265.7	266.2	266.7	267.7
8°	263.2	262.7	263.2	263.7	265.2
9°	260.2	259.7	260.7	261.2	262.2
10°	256.2	256.2	257.2	257.7	259.2
11°	252.2	252.2	253.2	254.2	255.7
12°	248.2	248.2	249.7	250.7	251.7
13°	244.2	243.7	245.2	246.2	247.7
14°	239.2	238.7	240.7	242.2	243.7
15°	234.2	234.2	236.2	237.7	239.2
17.5°	220.7	221.2	223.7	225.7	227.2
20°	206.2	207.7	210.2	212.7	214.2
22.5°	192.2	193.2	196.7	199.7	201.2
25°	177.6	179.6	182.6	186.1	187.6
27.5°	163.6	165.6	168.6	172.1	174.6
30°	150.1	151.6	155.6	159.1	160.6
32.5°	136.6	138.6	142.6	146.1	148.1
35°	125.1	126.6	130.6	134.1	136.1
37.5°	113.6	115.1	119.1	122.1	123.6
40°	102.1	104.6	107.6	110.6	112.1
42.5°	92.6	94.6	97.6	100.1	101.6
45°	83.6	85.1	88.1	90.1	91.1
47.5°	75.1	76.6	79.6	80.6	81.1
50°	67.1	68.6	70.6	71.1	71.6
52.5°	59.5	60.5	62.5	62.5	62.0
55°	52.5	54.0	55.5	55.0	54.0
57.5°	46.0	46.5	49.0	48.0	47.0
60°	39.5	40.5	42.5	41.5	40.5
62.5°	33.0	34.0	36.5	35.5	34.0
65°	26.5	28.5	31.0	29.5	28.0
67.5°	20.0	22.5	25.0	23.5	22.5
70°	15.5	17.5	19.5	18.0	17.0
72.5°	12.0	13.0	14.0	13.0	12.0
75°	9.0	9.5	9.5	8.5	8.0
77.5°	6.5	7.0	6.0	5.0	5.0
80°	4.0	4.5	4.0	3.0	3.0
82.5°	2.0	2.5	2.0	2.0	2.0
85°	1.0	1.0	1.0	1.0	1.0
87.5°	0.5	0.5	0.5	0.5	0.5



TEST NUMBER: P1307771

CATALOG NUMBER: P3SQAS05R709030DE010 E3SQCLDWW1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)