

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: P1311856

Luminaire Tested: P3SQAS24R709050D010 E3SQCLDWW1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311856
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: P3SQAS24R709050D010 E3SQCLDWW1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 5000K CCT AND, 90CRI , E3SQCLDWW1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

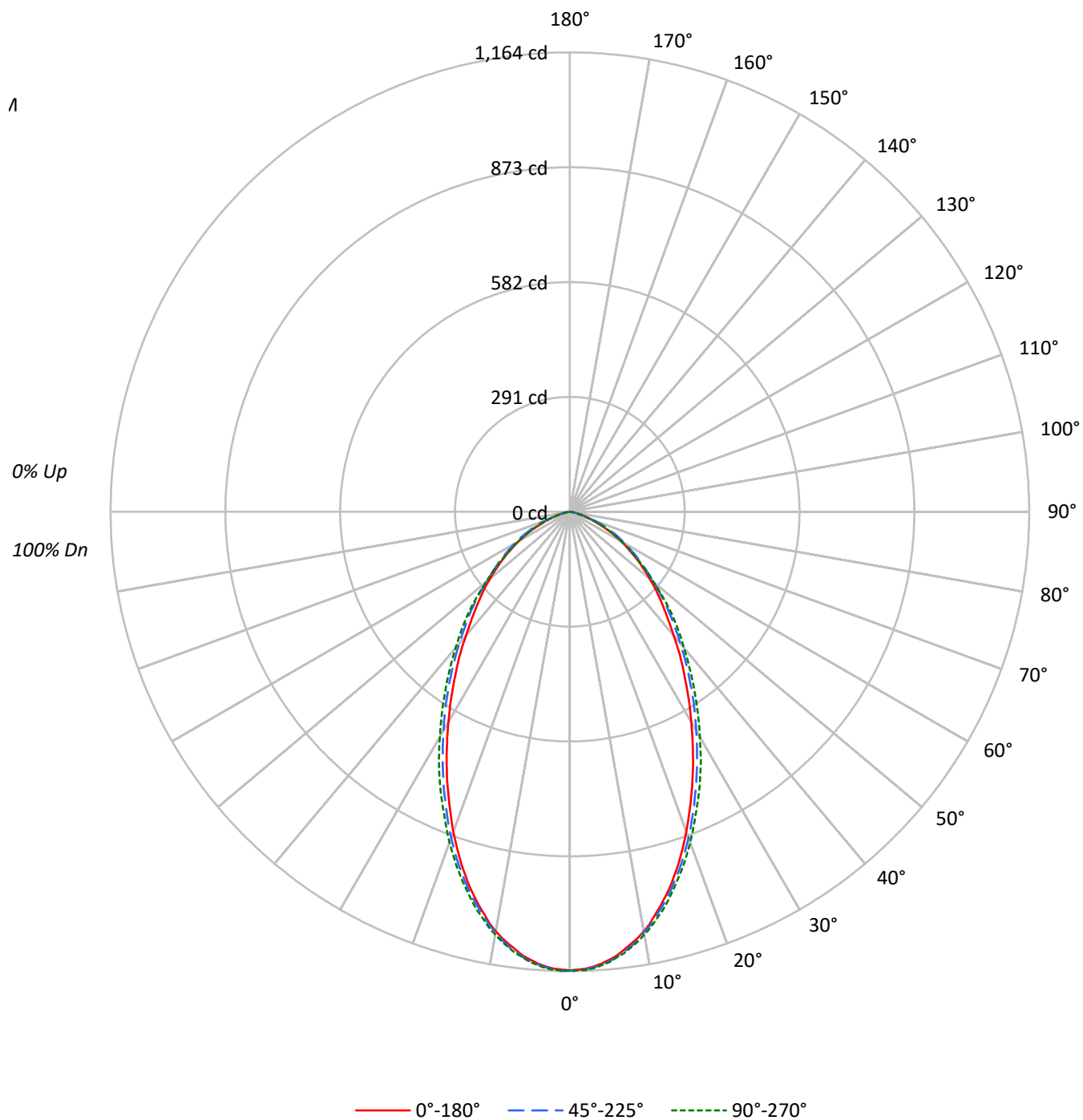
Lumens per Lamp: N/A
Luminaire Lumens: 1664.0 lumens
Efficiency: N/A
Efficacy: 57.8 lumens/watt
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1311856

CATALOG NUMBER: P3SQAS24R709050D010 E3SQCLDWW1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1311856

CATALOG NUMBER: P3SQAS24R709050D010 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°	200174	200174	200174
5°	197015	197741	198086
10°	188835	189185	190269
15°	175213	176693	178155
20°	158167	161191	163463
25°	140050	143983	147518
30°	122342	127274	130973
35°	106342	111998	115467
40°	91907	97932	101192
45°	80448	85977	88510
50°	70814	74136	74136
55°	61373	64466	62604
60°	51908	55456	52631
65°	40385	46294	42055
70°	29105	34291	29105
75°	21959	20628	16502
80°	14381	10215	4066
85°	4150	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 88510 cd/sqm

TEST NUMBER: P1311856

CATALOG NUMBER: P3SQAS24R709050D010 E3SQCLDWW1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	6.4
10°-20°	276.6	16.6
20°-30°	347.2	20.9
30°-40°	331.6	19.9
40°-50°	269.6	16.2
50°-60°	188.8	11.3
60°-70°	106.6	6.4
70°-80°	33.7	2.0
80°-90°	2.6	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°	731.0	43.9
0°-40°	1062.6	63.9
0°-60°	1521.0	91.4
0°-90°	1664.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1664.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1162	1162	1162	1162	1162	
5°	1140	1142	1144	1142	1146	107
15°	983	985	991	993	999	274
25°	737	745	758	770	776	338
35°	506	514	533	543	549	317
45°	330	339	353	359	363	256
55°	204	206	215	211	208	183
65°	99	105	114	107	103	100
75°	33	33	31	27	25	36
85°	2	2	0	0	0	4
90°	0	0	0	0	0	

TEST NUMBER: P1311856

CATALOG NUMBER: P3SQAS24R709050D010 E3SQCLDWW1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1162.3	1162.3	1162.3	1162.3	1162.3
1°	1160.3	1162.3	1164.4	1160.3	1162.3
2°	1158.2	1160.3	1160.3	1158.2	1162.3
3°	1154.1	1156.2	1156.2	1154.1	1158.2
4°	1147.9	1150.0	1150.0	1147.9	1152.0
5°	1139.6	1141.7	1143.8	1141.7	1145.8
6°	1131.4	1133.4	1135.5	1133.4	1135.5
7°	1119.0	1123.1	1123.1	1123.1	1127.2
8°	1106.6	1110.7	1112.8	1110.7	1114.9
9°	1094.2	1096.3	1098.3	1098.3	1102.5
10°	1079.8	1081.8	1081.8	1083.9	1088.0
11°	1063.2	1063.2	1067.4	1067.4	1073.6
12°	1042.6	1044.7	1048.8	1050.9	1055.0
13°	1024.0	1026.1	1030.2	1032.3	1038.5
14°	1003.4	1007.5	1011.6	1013.7	1019.9
15°	982.7	984.8	991.0	993.1	999.2
17.5°	924.9	927.0	937.3	941.4	947.6
20°	863.0	869.2	879.5	885.7	891.9
22.5°	799.0	805.2	817.6	827.9	832.0
25°	737.0	745.3	757.7	770.1	776.3
27.5°	675.1	683.4	697.8	710.2	718.5
30°	615.2	623.5	640.0	650.3	658.6
32.5°	559.5	567.8	586.3	596.7	602.9
35°	505.8	514.1	532.7	543.0	549.2
37.5°	458.3	466.6	483.1	493.4	497.6
40°	408.8	419.1	435.6	445.9	450.1
42.5°	367.5	375.7	392.3	400.5	406.7
45°	330.3	338.6	353.0	359.2	363.4
47.5°	297.3	301.4	313.8	315.9	320.0
50°	264.3	268.4	276.7	278.7	276.7
52.5°	233.3	237.4	243.6	241.6	241.6
55°	204.4	206.5	214.7	210.6	208.5
57.5°	175.5	179.6	187.9	181.7	179.6
60°	150.7	154.8	161.0	156.9	152.8
62.5°	125.9	128.0	138.3	130.1	125.9
65°	99.1	105.3	113.6	107.4	103.2
67.5°	74.3	84.6	92.9	84.6	80.5
70°	57.8	61.9	68.1	64.0	57.8
72.5°	43.4	45.4	47.5	43.4	39.2
75°	33.0	33.0	31.0	26.8	24.8
77.5°	22.7	22.7	18.6	12.4	12.4
80°	14.5	14.5	10.3	4.1	4.1
82.5°	6.2	6.2	4.1	2.1	2.1
85°	2.1	2.1	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1311856

CATALOG NUMBER: P3SQAS24R709050D010 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)