

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: P1309908

Luminaire Tested: P3SQAS05R259040DE010 E3SQPHL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309908
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R259040DE010 E3SQPHL1MB
Description: 3in Adjustable LED luminaire with, R25 optic, 4000K CCT AND, 90CRI , E3SQPHL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

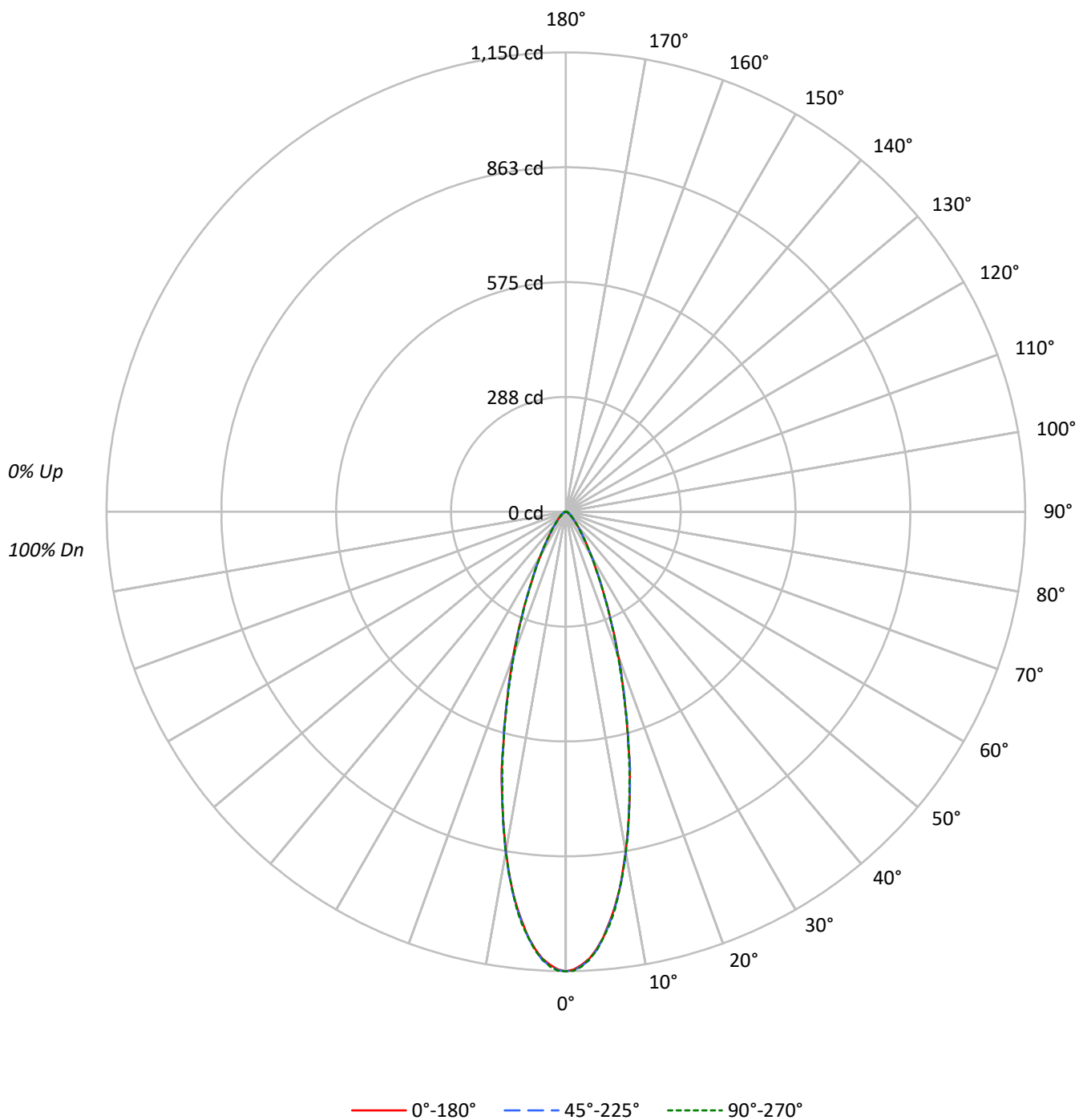
Lumens per Lamp: N/A
Luminaire Lumens: 461.0 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1309908

CATALOG NUMBER: P3SQAS05R259040DE010 E3SQPHL1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1309908

CATALOG NUMBER: P3SQAS05R259040DE010 E3SQPHL1MB

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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	198142	198142	198142
5°	184948	185138	185224
10°	150851	151323	151323
15°	107745	108334	107745
20°	70524	69828	68838
25°	41920	42129	41920
30°	25256	25256	25156
35°	15390	15495	15390
40°	9802	9915	9915
45°	6820	6820	6820
50°	4903	5037	5037
55°	3873	3873	4054
60°	3134	3341	3341
65°	2853	2853	2853
70°	2417	2417	2719
75°	2129	2129	2529
80°	2182	2182	2182
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6820 cd/sqm

TEST NUMBER: P1309908

CATALOG NUMBER: P3SQAS05R259040DE010 E3SQPHL1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.6	20.7
10°-20°	166.7	36.2
20°-30°	104.8	22.7
30°-40°	47.9	10.4
40°-50°	22.4	4.9
50°-60°	12.0	2.6
60°-70°	7.1	1.5
70°-80°	3.7	0.8
80°-90°	0.8	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°	367.0	79.6
0°-40°	415.0	90.0
0°-60°	449.4	97.5
0°-90°	461.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	461.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1150	1150	1150	1150	1150	
5°	1070	1072	1071	1072	1071	95
15°	604	608	608	609	604	167
25°	221	223	222	222	221	105
35°	73	73	74	74	73	48
45°	28	28	28	28	28	22
55°	13	13	13	14	14	12
65°	7	7	7	7	7	7
75°	3	3	3	4	4	4
85°	0	0	0	0	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1309908

CATALOG NUMBER: P3SQAS05R259040DE010 E3SQPHL1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1150.5	1150.5	1150.5	1150.5	1150.5
1°	1145.7	1146.8	1147.8	1149.5	1148.9
2°	1134.9	1137.1	1137.6	1139.8	1139.2
3°	1120.4	1119.9	1124.2	1124.2	1121.5
4°	1097.8	1098.9	1099.9	1101.0	1101.6
5°	1069.8	1072.0	1070.9	1072.0	1071.4
6°	1035.4	1038.6	1038.1	1039.1	1040.8
7°	998.8	1000.9	1000.9	999.9	1004.2
8°	959.0	957.3	960.0	959.0	958.4
9°	911.6	914.8	915.4	912.7	913.8
10°	862.6	864.8	865.3	866.9	865.3
11°	814.2	814.2	815.3	818.0	813.7
12°	761.5	766.3	761.5	763.6	761.5
13°	711.4	712.5	711.4	710.9	707.1
14°	664.1	660.3	661.4	657.1	657.6
15°	604.3	608.1	607.6	608.6	604.3
17.5°	485.9	488.1	487.5	486.5	481.1
20°	384.8	384.8	381.0	378.8	375.6
22.5°	293.8	292.7	291.1	289.5	290.6
25°	220.6	223.3	221.7	221.7	220.6
27.5°	166.8	170.1	167.4	165.7	166.8
30°	127.0	128.1	127.0	126.5	126.5
32.5°	95.8	96.3	95.8	95.8	95.8
35°	73.2	73.2	73.7	73.7	73.2
37.5°	56.5	56.5	56.5	56.5	57.0
40°	43.6	44.1	44.1	44.1	44.1
42.5°	34.4	35.0	35.0	35.0	35.0
45°	28.0	28.0	28.0	28.0	28.0
47.5°	22.6	22.6	22.6	22.6	23.1
50°	18.3	18.8	18.8	18.8	18.8
52.5°	15.6	15.6	15.6	15.6	15.6
55°	12.9	12.9	12.9	13.5	13.5
57.5°	10.8	10.8	11.3	11.3	11.3
60°	9.1	9.7	9.7	9.7	9.7
62.5°	8.1	8.1	8.6	8.6	8.6
65°	7.0	7.0	7.0	7.0	7.0
67.5°	5.9	5.9	5.9	5.9	6.5
70°	4.8	4.8	4.8	5.4	5.4
72.5°	4.3	4.3	4.3	4.3	4.3
75°	3.2	3.2	3.2	3.8	3.8
77.5°	2.7	2.7	2.7	2.7	2.7
80°	2.2	2.2	2.2	2.2	2.2
82.5°	1.1	1.1	1.6	1.6	1.6
85°	0.5	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1309908

CATALOG NUMBER: P3SQAS05R259040DE010 E3SQPHL1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)