

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: P1312157

Luminaire Tested: P3SQAS05R459727DE010 E3SQCD1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312157
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R459727DE010 E3SQCD1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 97CRI , E3SQCD1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

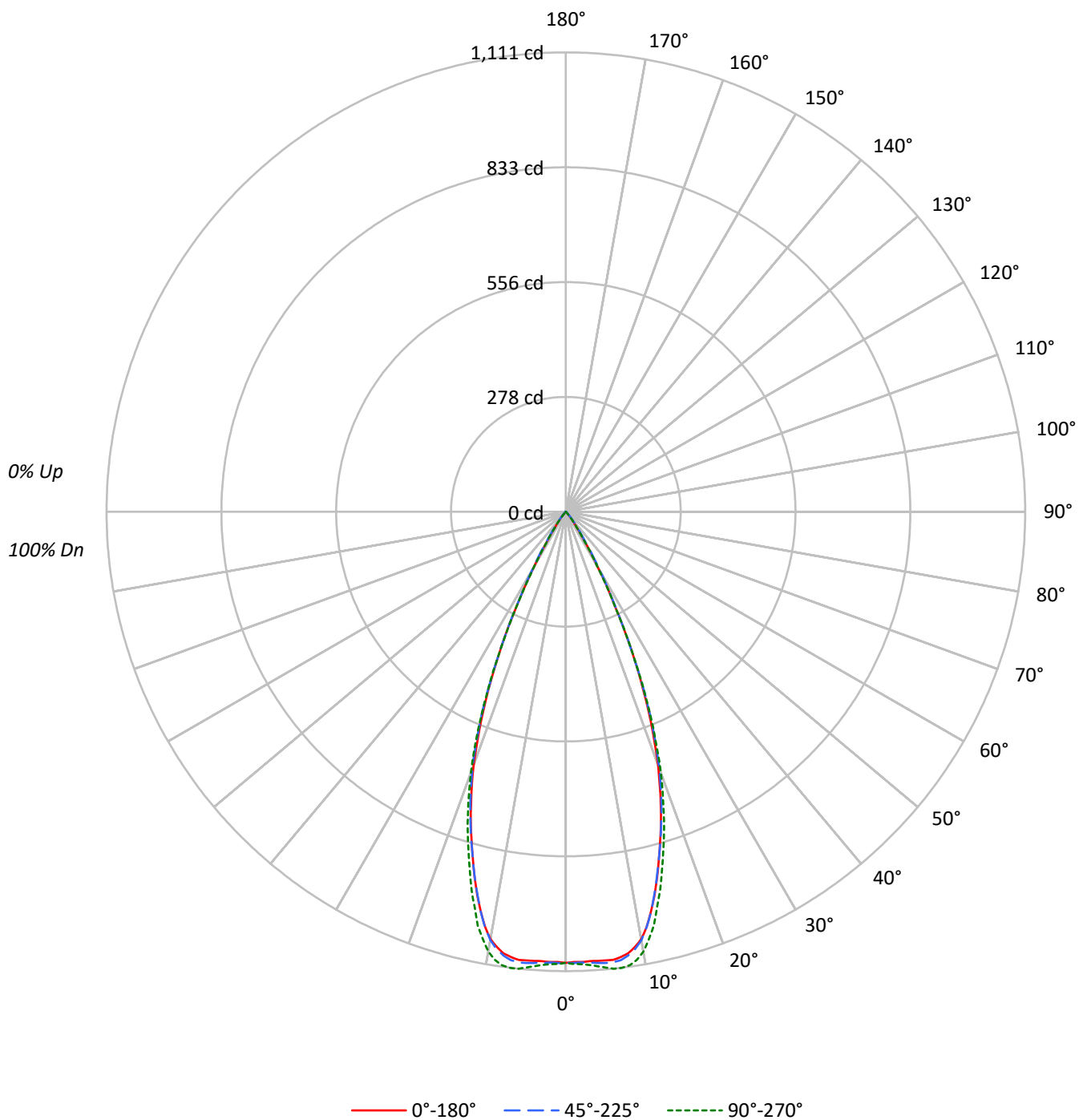
Lumens per Lamp: N/A
Luminaire Lumens: 564.0 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1312157

CATALOG NUMBER: P3SQAS05R459727DE010 E3SQCD1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1312157

CATALOG NUMBER: P3SQAS05R459727DE010 E3SQCD1MB

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	94	93
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91	90	89
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87	86	85
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83	82	81
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	79	78	77
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75	74	73
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72	71	70
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69	68	67
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	66	65	64
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	64	63	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	187878	187878	187878
5°	188301	189391	191275
10°	183588	183956	188800
15°	154887	154959	160040
20°	119551	121255	123253
25°	74167	74243	74737
30°	30605	32515	30088
35°	9524	11627	9167
40°	2923	4047	2743
45°	195	1534	195
50°	0	214	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1534 cd/sqm

TEST NUMBER: P1312157

CATALOG NUMBER: P3SQAS05R459727DE010 E3SQCD1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.8	18.4
10°-20°	241.4	42.8
20°-30°	177.1	31.4
30°-40°	38.1	6.7
40°-50°	3.6	0.6
50°-60°	0.0	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	522.3	92.6
0°-40°	560.4	99.4
0°-60°	564.0	100.0
0°-90°	564.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	564.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1091	1091	1091	1091	1091	
5°	1089	1092	1096	1103	1106	103
15°	869	867	869	883	898	239
25°	390	389	391	391	393	175
35°	45	49	55	47	44	36
45°	1	2	6	2	1	2
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1312157

CATALOG NUMBER: P3SQAS05R459727DE010 E3SQCD1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1090.9	1090.9	1090.9	1090.9	1090.9
1°	1088.8	1091.3	1091.3	1093.0	1093.8
2°	1089.6	1091.3	1090.9	1093.8	1095.1
3°	1088.4	1091.3	1092.1	1095.5	1097.6
4°	1088.8	1091.3	1093.8	1098.8	1101.8
5°	1089.2	1092.1	1095.5	1103.0	1106.4
6°	1089.6	1091.7	1095.5	1105.1	1111.4
7°	1085.4	1088.4	1092.6	1104.7	1111.4
8°	1078.7	1080.4	1083.7	1099.7	1107.6
9°	1066.1	1065.7	1070.8	1088.4	1097.6
10°	1049.8	1044.8	1051.9	1069.5	1079.6
11°	1023.4	1017.9	1024.2	1043.1	1052.7
12°	989.0	989.0	990.3	1007.0	1023.8
13°	952.5	948.3	950.8	969.7	981.5
14°	912.3	908.1	910.6	924.9	943.3
15°	868.7	867.0	869.1	882.9	897.6
17.5°	765.1	761.3	768.9	782.7	790.3
20°	652.3	658.6	661.6	670.4	672.5
22.5°	522.8	529.5	533.7	535.0	536.2
25°	390.3	389.1	390.7	390.7	393.3
27.5°	256.6	256.6	261.2	258.3	255.3
30°	153.9	160.2	163.5	158.1	151.3
32.5°	83.8	90.1	95.6	87.6	81.8
35°	45.3	48.6	55.3	47.4	43.6
37.5°	24.7	27.7	31.9	26.8	24.7
40°	13.0	15.9	18.0	15.9	12.2
42.5°	4.2	8.0	10.5	8.0	3.8
45°	0.8	2.5	6.3	2.5	0.8
47.5°	0.0	0.4	2.9	0.4	0.0
50°	0.0	0.0	0.8	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1312157

CATALOG NUMBER: P3SQAS05R459727DE010 E3SQCD1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)