

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: P1314143

Luminaire Tested: P3SQAS05R709735DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314143
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS05R709735DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

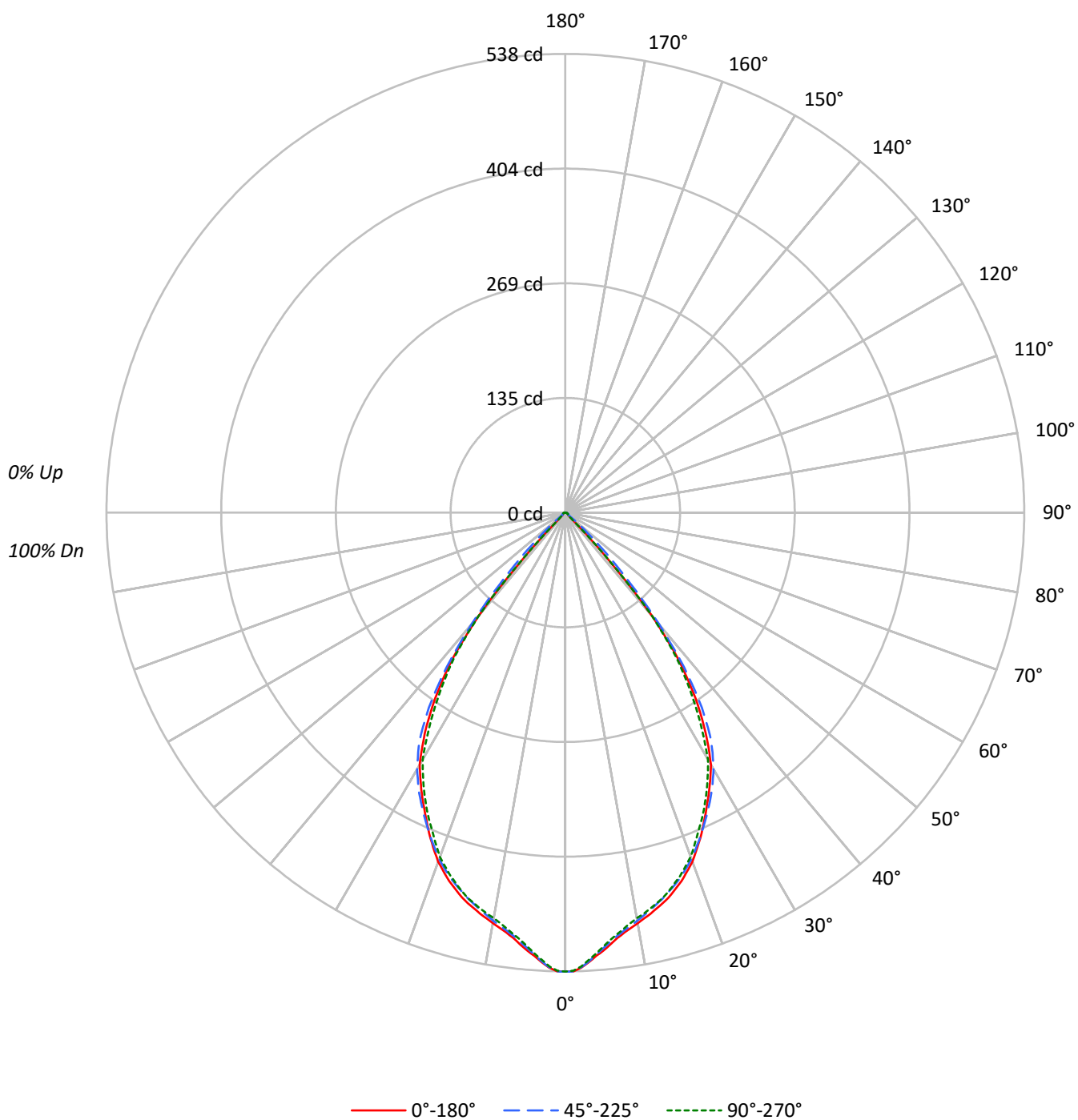
Lumens per Lamp: N/A
Luminaire Lumens: 574.0 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1314143

CATALOG NUMBER: P3SQAS05R709735DE010 E3SQCD1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1314143

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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	94	105	100	96	93	97	94	91		94	91	89		91
3	101	95	89	85	99	93	88	84	90	86	83		88	85	82		86
4	96	88	82	77	94	87	81	77	84	80	76		82	78	75		81
5	91	82	76	71	89	81	75	71	79	74	70		77	73	69		76
6	86	76	70	65	84	75	69	65	74	69	65		72	68	64		71
7	81	71	65	60	80	70	64	60	69	64	60		68	63	59		67
8	77	67	60	56	75	66	60	56	65	59	56		64	59	55		63
9	73	62	56	52	72	62	56	52	61	56	52		60	55	52		59
10	69	59	53	48	68	58	52	48	57	52	48		57	52	48		56

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	92707	92707	92707
5°	89120	88636	88307
10°	85499	85009	84432
15°	83336	82427	82338
20°	79853	79248	78735
25°	73939	74471	73046
30°	67913	69106	66521
35°	56009	58658	53844
40°	35657	38377	35657
45°	2509	16586	2728
50°	1125	3376	1125
55°	1261	1261	1261
60°	1274	1274	1274
65°	1141	1345	1141
70°	1158	1410	1158
75°	1264	1264	1264
80°	1389	1389	1389
85°	988	1778	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 16586 cd/sqm

TEST NUMBER: P1314143

CATALOG NUMBER: P3SQAS05R709735DE010 E3SQCD1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.0	8.4
10°-20°	130.1	22.7
20°-30°	178.8	31.1
30°-40°	163.7	28.5
40°-50°	43.5	7.6
50°-60°	3.9	0.7
60°-70°	3.2	0.6
70°-80°	2.1	0.4
80°-90°	0.8	0.1
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°	356.9	62.2
0°-40°	520.6	90.7
0°-60°	567.9	98.9
0°-90°	574.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	574.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	538	538	538	538	538	
5°	516	513	513	512	511	48
15°	467	463	462	462	462	131
25°	389	390	392	387	384	179
35°	266	271	279	266	256	162
45°	10	35	68	36	11	31
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	1	1	1	0	1
90°	0	0	0	0	0	

TEST NUMBER: P1314143

CATALOG NUMBER: P3SQAS05R709735DE010 E3SQCD1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	538.3	538.3	538.3	538.3	538.3
1°	538.3	537.4	538.3	538.3	537.4
2°	534.1	533.2	533.7	533.2	532.7
3°	528.1	526.7	527.1	526.2	525.3
4°	521.1	519.7	519.7	519.2	518.3
5°	515.5	513.1	512.7	511.7	510.8
6°	508.9	506.6	506.1	504.7	503.8
7°	502.4	500.5	500.1	498.2	498.2
8°	497.3	494.9	494.9	492.6	492.6
9°	493.1	490.3	490.3	488.4	487.5
10°	488.9	486.1	486.1	483.8	482.8
11°	484.7	482.4	481.4	480.0	479.6
12°	481.0	477.7	476.8	476.3	475.4
13°	476.3	473.0	472.1	471.6	471.2
14°	472.1	467.9	467.4	466.5	467.0
15°	467.4	463.2	462.3	462.3	461.8
17.5°	453.0	450.2	448.8	447.8	446.9
20°	435.7	433.4	432.4	430.6	429.6
22.5°	413.3	412.8	412.4	410.0	406.3
25°	389.1	390.5	391.9	387.2	384.4
27.5°	365.7	369.5	370.9	366.2	360.1
30°	341.5	344.7	347.5	341.0	334.5
32.5°	306.5	314.4	318.6	311.1	296.2
35°	266.4	270.6	279.0	266.4	256.1
37.5°	219.7	222.0	228.6	220.2	213.2
40°	158.6	165.6	170.7	165.6	158.6
42.5°	71.4	99.8	112.9	105.4	74.6
45°	10.3	35.0	68.1	35.5	11.2
47.5°	4.2	5.6	35.5	5.1	4.2
50°	4.2	4.2	12.6	4.2	4.2
52.5°	4.2	4.2	4.7	4.2	4.2
55°	4.2	4.2	4.2	4.2	4.2
57.5°	3.7	3.7	4.2	3.7	3.7
60°	3.7	3.7	3.7	3.7	3.7
62.5°	3.3	3.7	3.7	3.7	3.3
65°	2.8	3.3	3.3	3.3	2.8
67.5°	2.8	2.8	2.8	2.8	2.8
70°	2.3	2.8	2.8	2.8	2.3
72.5°	2.3	2.3	2.3	2.3	2.3
75°	1.9	1.9	1.9	1.9	1.9
77.5°	1.4	1.9	1.9	1.9	1.4
80°	1.4	1.4	1.4	1.4	1.4
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.5	0.9	0.9	0.9	0.5
87.5°	0.5	0.5	0.5	0.5	0.5



TEST NUMBER: P1314143

CATALOG NUMBER: P3SQAS05R709735DE010 E3SQCD1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)