

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: PORTFOLIO

Report Number: P1319139

Luminaire Tested: LDSQA3D09R559835DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319139
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R559835DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

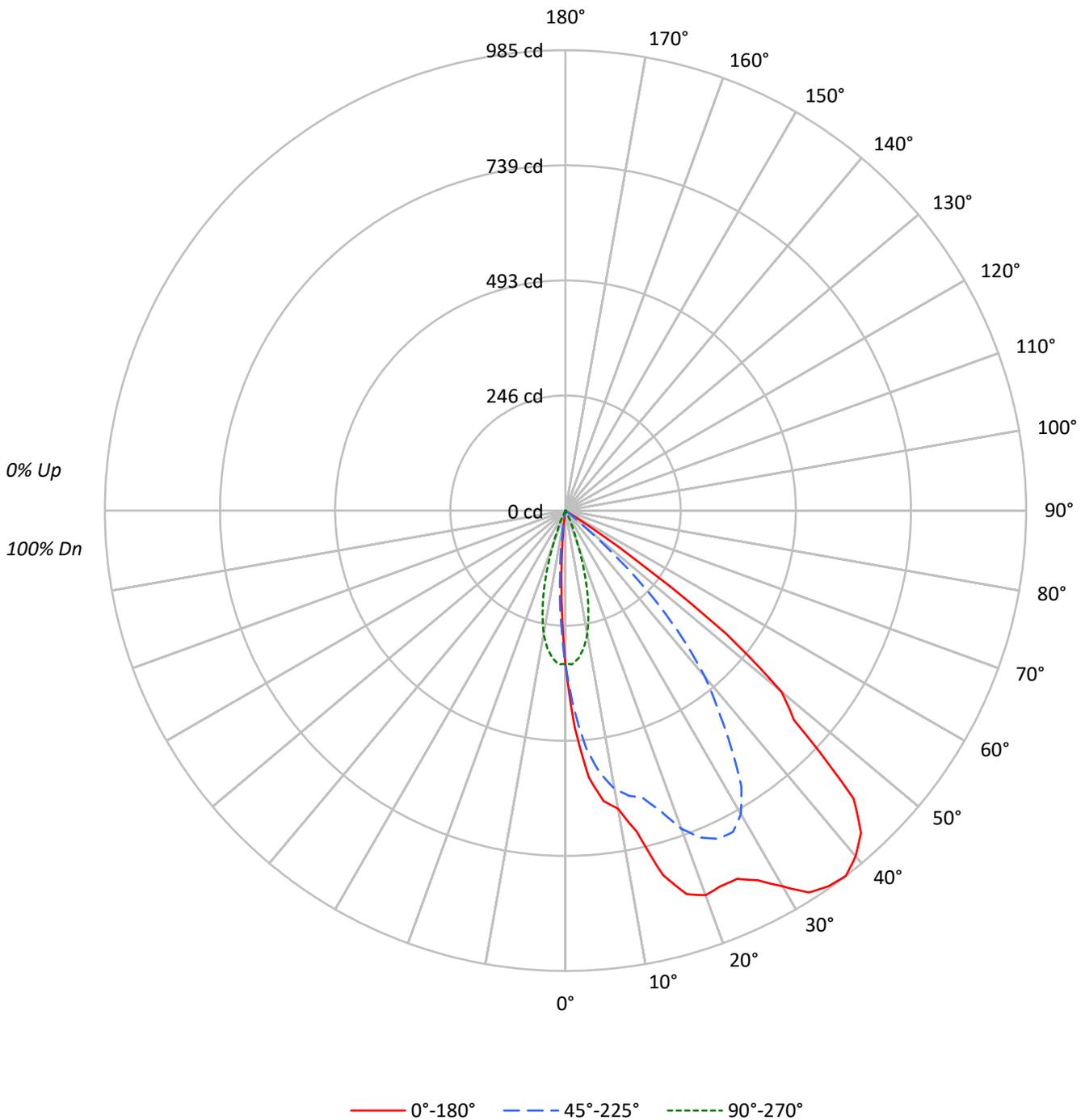
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 607.0 lumens
Efficiency: N/A
Efficacy: 55.2 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
Input Voltage (V): NR
Input Current (A_{in}): 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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	88	86	84	82
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	81	78	75	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	75	71	68	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	64	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	56489	56489	56489	56489	56489
5°	99009	88255	54838	22786	13122
10°	113322	105645	46885	2501	892
15°	144011	113398	32147	517	303
20°	160476	132673	14112	0	0
25°	165190	147195	4010	0	0
30°	184567	149169	577	0	0
35°	206271	129532	0	0	0
40°	216997	104272	0	0	0
45°	212140	65859	0	0	0
50°	161536	13450	0	0	0
55°	52936	0	0	0	0
60°	0	0	0	0	0
65°	0	245	245	0	0
70°	0	302	302	0	0
75°	0	399	399	0	0
80°	0	595	1091	595	0
85°	0	1186	1186	1186	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 212140 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.0	4.9
10°-20°	87.8	14.5
20°-30°	142.8	23.5
30°-40°	169.7	28.0
40°-50°	138.8	22.9
50°-60°	36.8	6.1
60°-70°	0.2	0.0
70°-80°	0.4	0.1
80°-90°	0.4	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°	260.6	42.9
0°-40°	430.4	70.9
0°-60°	606.0	99.8
0°-90°	607.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	607.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	328	328	328	328	328	
5°	573	510	317	132	76	56
15°	808	636	180	3	2	226
25°	869	775	21	0	0	409
35°	981	616	0	0	0	610
45°	871	270	0	0	0	625
55°	176	0	0	0	0	198
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	328.0	328.0	328.0	328.0	328.0	328.0	328.0	328.0	328.0	328.0	328.0
2.5°	465.5	462.0	462.6	460.9	462.6	455.2	447.2	439.8	434.1	426.1	377.6
5°	572.7	567.0	565.3	563.0	560.7	551.6	544.2	535.1	524.2	510.5	421.5
7.5°	626.9	622.3	620.1	621.2	616.1	612.6	602.9	592.7	581.3	566.4	454.6
10°	648.0	643.4	642.9	642.3	641.7	639.5	634.9	625.8	615.5	604.1	473.5
12.5°	703.3	693.1	686.2	678.2	668.5	656.0	645.7	637.7	633.7	624.6	482.0
15°	807.7	798.0	790.6	780.3	762.1	735.3	710.8	679.4	652.0	636.0	478.6
17.5°	860.2	855.6	849.4	842.5	830.0	810.6	785.5	752.4	717.6	672.5	462.0
20°	875.6	873.3	868.8	865.9	857.4	843.7	826.6	800.9	768.4	723.9	436.4
22.5°	869.3	871.0	873.3	880.7	881.9	872.2	856.2	831.7	798.6	757.5	397.0
25°	869.3	868.2	868.2	883.6	893.3	888.7	877.3	855.1	821.4	774.6	348.5
27.5°	891.6	884.7	870.5	886.4	902.4	900.7	890.4	864.2	826.6	775.2	289.2
30°	928.1	913.3	889.9	904.7	919.5	913.3	896.7	863.1	815.1	750.1	216.8
32.5°	968.6	961.7	949.8	959.5	957.2	932.1	902.4	855.6	791.8	699.9	146.0
35°	981.1	982.3	974.3	972.6	959.5	933.8	902.4	834.5	742.7	616.1	86.7
37.5°	985.1	985.7	973.2	957.2	937.8	907.6	869.9	791.2	652.0	535.1	46.2
40°	965.2	964.6	944.1	924.7	903.0	873.3	818.6	699.9	565.9	463.8	16.5
42.5°	935.5	928.1	908.7	884.7	858.5	821.4	735.9	591.0	491.7	371.3	1.1
45°	871.0	864.2	848.8	823.1	794.0	741.6	606.4	507.7	399.9	270.4	0.0
47.5°	662.3	658.8	674.8	678.2	677.7	617.8	506.0	414.1	293.8	157.4	0.0
50°	602.9	598.4	582.4	561.9	525.4	475.2	405.6	306.9	172.3	50.2	0.0
52.5°	433.0	447.8	451.2	435.8	401.6	352.0	279.5	176.8	59.9	0.0	0.0
55°	176.3	167.1	174.0	182.5	189.4	174.0	128.9	62.7	0.6	0.0	0.0
57.5°	0.0	0.6	3.4	8.0	13.1	16.5	17.7	1.1	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.6	0.6	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	328.0	328.0	328.0	328.0	328.0
2.5°	329.1	278.4	229.3	202.5	189.4
5°	317.2	212.8	131.8	91.3	75.9
7.5°	297.2	146.0	52.5	21.7	15.4
10°	268.1	83.9	14.3	5.7	5.1
12.5°	226.5	38.2	5.1	4.0	4.0
15°	180.3	13.1	2.9	2.3	1.7
17.5°	126.6	3.4	1.1	0.0	0.0
20°	77.0	0.6	0.0	0.0	0.0
22.5°	42.8	0.0	0.0	0.0	0.0
25°	21.1	0.0	0.0	0.0	0.0
27.5°	9.1	0.0	0.0	0.0	0.0
30°	2.9	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	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°	0.6	0.0	0.0	0.0	0.0
65°	0.6	0.6	0.0	0.0	0.0
67.5°	0.6	0.6	0.0	0.0	0.0
70°	0.6	0.6	0.0	0.0	0.0
72.5°	0.6	0.6	0.0	0.0	0.0
75°	0.6	0.6	0.0	0.0	0.0
77.5°	1.1	0.6	0.6	0.0	0.0
80°	1.1	0.6	0.6	0.0	0.0
82.5°	1.1	0.6	0.6	0.0	0.0
85°	0.6	0.6	0.6	0.0	0.0
87.5°	1.1	0.6	0.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)