

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: P1319173

Luminaire Tested: LDSQA3D09R709835DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709835DE010 3LSQCLSWWR 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , 3LSQCLSWWR 1MB TRI
Light Source: -
Ballast/Driver: -

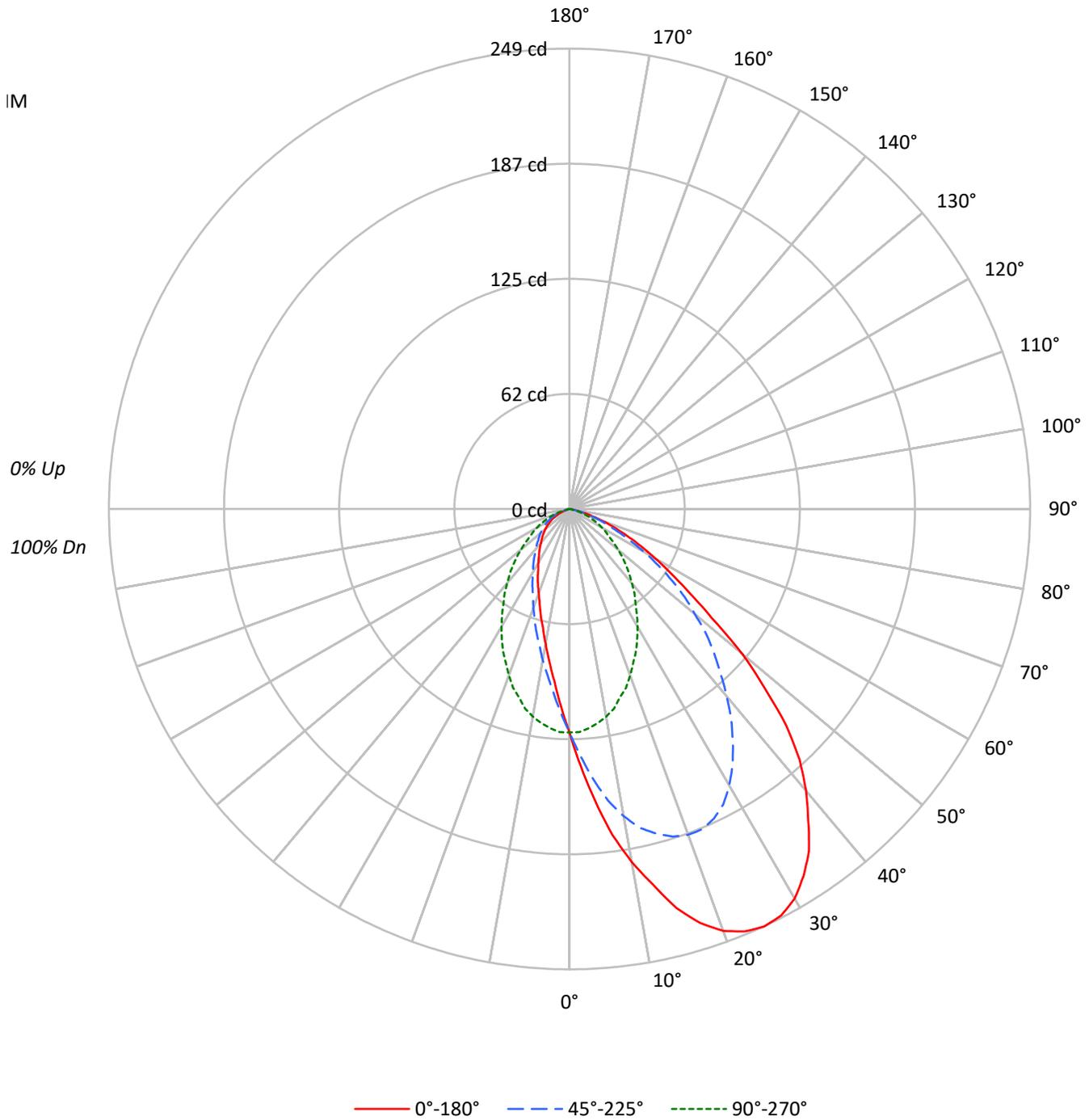
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 271.0 lumens
Efficiency: N/A
Efficacy: 24.6 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
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 (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

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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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	90	90	90	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	79	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	69	69	69	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	61	61	61	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	54	54	54	52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	48	48	48	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	43	43	43	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	39	39	39	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	36	36	36	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	33	33	33	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	20804	20804	20804	20804	20804
5°	27384	25327	20590	17236	16164
10°	33892	29502	19936	14550	12959
15°	39832	32415	18793	12303	10662
20°	44499	34364	17539	10447	8871
25°	47336	35098	16133	8988	7696
30°	48404	34344	14617	7815	6682
35°	47452	32357	13056	7064	5992
40°	44717	29721	11781	6407	5373
45°	40382	26938	10546	5821	4993
50°	32688	23658	9163	5493	4582
55°	23781	20358	7867	5134	4114
60°	18462	16086	7061	4719	3720
65°	13937	11614	5787	4197	2771
70°	9769	8308	4280	3172	1712
75°	5656	4924	2262	1530	399
80°	1091	1686	595	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 40382 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.8	4.4
10°-20°	35.2	13.0
20°-30°	53.1	19.6
30°-40°	59.0	21.8
40°-50°	52.3	19.3
50°-60°	35.5	13.1
60°-70°	18.6	6.9
70°-80°	5.3	1.9
80°-90°	0.2	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°	100.1	36.9
0°-40°	159.1	58.7
0°-60°	246.9	91.1
0°-90°	271.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	271.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	121	121	121	121	121	
5°	158	146	119	100	94	16
15°	223	182	105	69	60	63
25°	249	185	85	47	40	114
35°	226	154	62	34	28	140
45°	166	111	43	24	20	126
55°	79	68	26	17	14	73
65°	34	28	14	10	7	35
75°	8	7	3	2	1	9
85°	0	0	0	0	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°	50°
0°	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8
2.5°	139.1	138.5	137.9	137.9	137.3	136.8	135.6	135.6	134.5	133.4	132.2
5°	158.4	158.4	158.4	156.7	156.7	154.4	153.3	151.0	148.7	146.5	143.6
7.5°	177.8	177.8	176.1	175.5	173.8	171.5	169.8	166.4	162.4	159.0	154.4
10°	193.8	193.8	192.1	190.9	187.5	185.2	181.8	177.8	173.8	168.7	163.0
12.5°	208.0	208.6	206.3	204.0	200.6	197.2	192.6	187.5	182.4	176.7	169.3
15°	223.4	222.8	220.0	217.1	213.1	208.0	202.3	195.5	188.6	181.8	173.8
17.5°	234.8	234.2	231.4	228.0	222.8	216.6	210.3	202.3	194.3	185.8	176.1
20°	242.8	242.2	239.4	234.8	229.7	222.8	215.4	206.3	197.8	187.5	176.7
22.5°	247.3	246.8	243.4	239.4	233.1	225.7	217.7	208.0	198.3	187.5	175.5
25°	249.1	247.9	244.5	239.9	233.7	225.7	216.6	206.3	196.0	184.7	172.1
27.5°	247.9	246.8	242.8	237.7	230.8	221.7	212.6	202.3	191.5	180.1	167.0
30°	243.4	241.6	238.2	233.1	225.7	216.6	206.9	196.0	184.7	172.7	159.6
32.5°	235.4	234.2	230.8	225.1	217.7	208.6	198.9	187.5	176.1	164.1	151.0
35°	225.7	223.4	220.0	214.9	207.4	198.3	188.6	176.7	165.8	153.9	141.3
37.5°	212.0	211.4	207.4	203.5	196.0	186.4	177.2	165.8	155.0	143.6	131.1
40°	198.9	197.8	194.3	189.8	182.4	173.8	164.1	153.9	143.0	132.2	120.8
42.5°	184.1	182.4	180.1	175.5	168.7	160.1	151.0	140.8	131.1	120.8	110.6
45°	165.8	165.3	162.4	160.1	153.9	146.5	137.3	128.2	118.5	110.6	102.6
47.5°	142.5	141.9	141.3	139.6	136.2	131.1	124.2	115.7	108.3	100.3	89.5
50°	122.0	121.4	120.3	119.7	116.8	114.0	108.9	103.7	97.5	88.3	79.8
52.5°	96.9	97.5	99.2	99.7	99.2	96.9	94.6	92.9	84.3	78.6	70.7
55°	79.2	79.2	78.6	79.2	79.8	80.9	80.9	78.6	72.9	67.8	61.0
57.5°	65.0	65.0	65.0	65.0	65.0	65.5	65.5	65.0	62.1	57.0	50.7
60°	53.6	53.0	53.0	53.6	53.0	53.0	53.6	53.6	50.7	46.7	41.0
62.5°	43.3	43.3	43.3	42.7	42.7	43.3	43.3	42.7	40.5	36.5	32.5
65°	34.2	34.2	34.2	34.2	34.2	34.8	34.2	33.6	31.3	28.5	25.6
67.5°	26.2	26.2	26.8	26.2	26.8	26.8	26.8	25.6	23.9	21.7	19.9
70°	19.4	19.4	19.4	19.9	20.5	20.5	19.9	18.8	17.7	16.5	14.8
72.5°	13.1	13.7	13.7	13.7	14.2	14.2	13.7	13.1	12.5	11.4	10.8
75°	8.5	8.0	8.5	8.5	9.1	9.1	8.5	8.5	8.0	7.4	6.8
77.5°	4.0	4.0	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.0	4.0
80°	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	120.8	120.8	120.8	120.8	120.8	120.8	120.8	120.8
2.5°	131.1	129.4	127.1	120.8	115.1	110.0	107.1	106.6
5°	140.2	137.9	132.2	119.1	108.3	99.7	94.6	93.5
7.5°	149.9	145.3	137.3	116.8	101.4	90.6	84.9	83.2
10°	157.3	151.6	140.8	114.0	94.6	83.2	76.4	74.1
12.5°	162.4	155.6	143.6	110.6	88.9	75.2	68.4	66.1
15°	165.3	157.9	144.2	105.4	82.1	69.0	61.6	59.8
17.5°	166.4	157.9	143.0	101.4	75.8	62.7	55.9	53.6
20°	165.8	155.6	140.2	95.7	70.1	57.0	50.2	48.4
22.5°	163.6	152.2	135.6	90.0	64.4	51.3	45.6	44.5
25°	160.1	147.6	130.5	84.9	59.3	47.3	41.6	40.5
27.5°	154.4	141.9	123.7	79.2	54.7	43.3	38.2	36.5
30°	147.0	135.1	116.8	73.5	50.2	39.3	34.8	33.6
32.5°	139.1	127.1	110.0	67.8	46.2	36.5	31.9	30.8
35°	129.9	118.5	101.4	62.1	42.2	33.6	29.1	28.5
37.5°	120.8	109.4	94.0	57.6	38.8	30.8	26.8	26.2
40°	110.6	101.4	90.0	52.4	35.9	28.5	25.1	23.9
42.5°	104.3	91.8	77.5	47.9	33.1	26.2	22.8	22.2
45°	90.6	81.5	70.1	43.3	30.2	23.9	21.1	20.5
47.5°	81.5	73.5	62.7	38.8	27.9	22.2	19.4	18.8
50°	72.4	65.0	54.7	34.2	25.6	20.5	17.7	17.1
52.5°	63.3	55.9	46.7	30.2	22.8	18.8	16.0	15.4
55°	54.1	47.3	38.8	26.2	20.5	17.1	14.8	13.7
57.5°	44.5	38.8	33.1	23.4	18.2	15.4	13.1	12.0
60°	35.9	32.5	27.9	20.5	16.0	13.7	11.4	10.8
62.5°	29.1	26.2	23.4	17.7	14.2	12.0	10.3	8.5
65°	23.4	21.7	19.4	14.2	12.0	10.3	8.5	6.8
67.5°	18.2	17.1	15.4	12.0	9.7	8.5	6.3	5.1
70°	14.2	13.1	12.0	8.5	7.4	6.3	4.6	3.4
72.5°	10.3	9.1	8.5	6.3	5.1	4.6	2.8	1.7
75°	6.3	6.3	5.1	3.4	2.8	2.3	1.1	0.6
77.5°	3.4	3.4	2.8	1.7	1.7	0.6	0.0	0.0
80°	1.7	1.1	1.1	0.6	0.6	0.0	0.0	0.0
82.5°	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)