

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: P1319175

Luminaire Tested: LDSQA3D09R709835DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319175
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709835DE010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

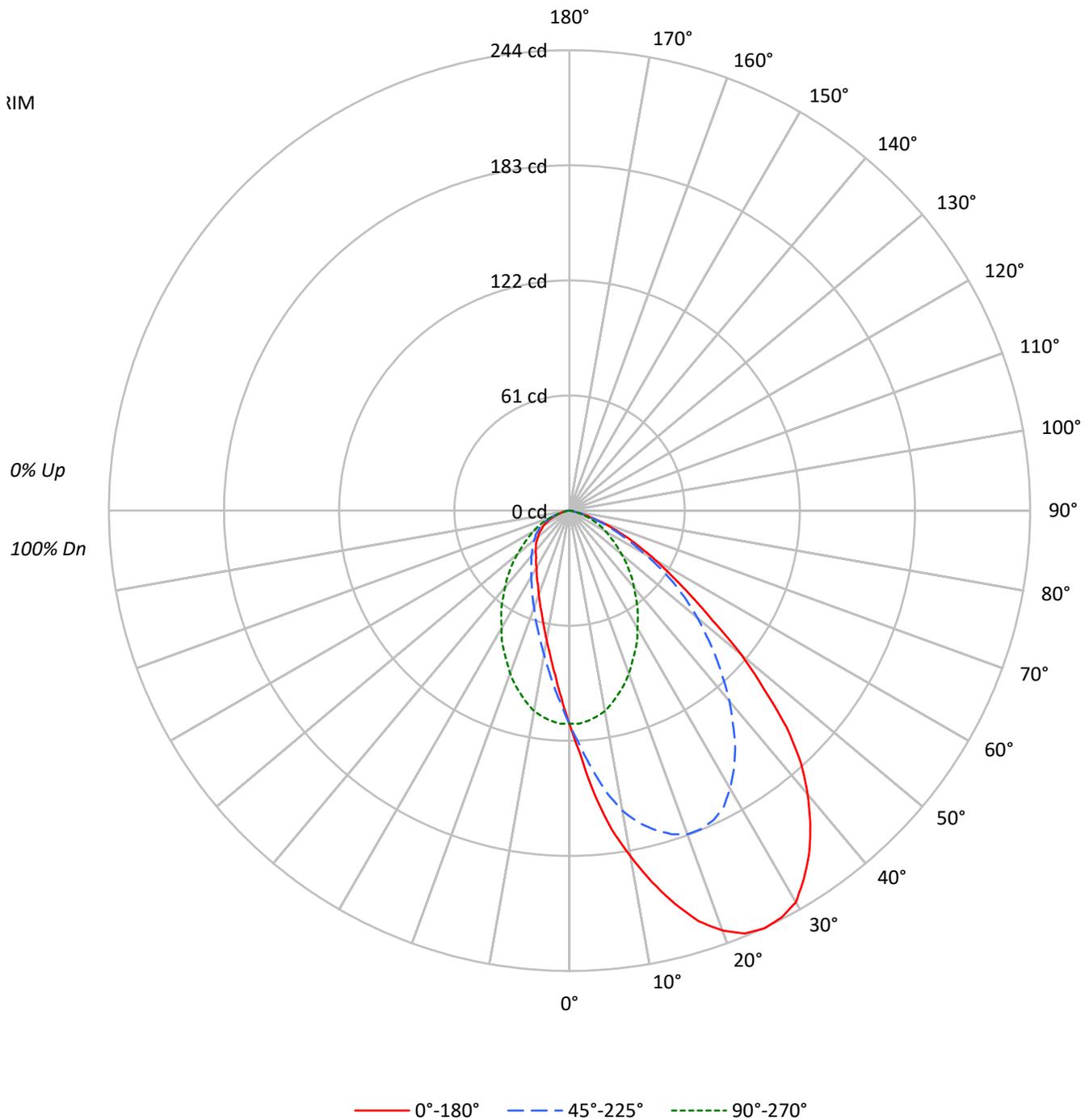
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 276.0 lumens
Efficiency: N/A
Efficacy: 25.1 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
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	100	100	100	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88	88	88	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76	76	76	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66	66	66	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58	58	58	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51	51	51	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45	45	45	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40	40	40	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36	36	36	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33	33	33	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30	30	30	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	19461	19461	19461	19461	19461
5°	26053	23771	19345	16182	15092
10°	32545	28243	18869	13571	12172
15°	38459	31238	17901	11607	10074
20°	43400	33466	16843	10043	8687
25°	46424	34376	15620	8893	7696
30°	47668	33827	14298	8054	6921
35°	46548	32167	13203	7443	6476
40°	44132	29631	11938	7059	6295
45°	39627	26694	10838	6820	6113
50°	31803	23712	9646	6564	5814
55°	23480	20388	8557	6516	5645
60°	18083	15913	7681	6303	5511
65°	13733	11859	6765	5827	4890
70°	9215	8359	5187	5187	4028
75°	4924	4924	3394	3394	3061
80°	1091	2281	1686	2281	2876
85°	0	1186	1186	2174	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 39627 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.1	4.0
10°-20°	33.9	12.3
20°-30°	52.2	18.9
30°-40°	59.2	21.5
40°-50°	53.6	19.4
50°-60°	37.5	13.6
60°-70°	20.6	7.5
70°-80°	6.9	2.5
80°-90°	0.9	0.3
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°	97.2	35.2
0°-40°	156.5	56.7
0°-60°	247.6	89.7
0°-90°	276.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	276.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	113	113	113	113	113	
5°	151	138	112	94	87	15
15°	216	175	100	65	56	61
25°	244	181	82	47	40	112
35°	221	153	63	35	31	138
45°	163	110	44	28	25	123
55°	78	68	28	22	19	72
65°	34	29	17	14	12	34
75°	7	7	5	5	5	9
85°	0	1	1	1	1	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°	113.0	113.0	113.0	113.0	113.0	113.0	113.0	113.0	113.0	113.0	113.0
2.5°	129.0	130.1	130.7	129.6	129.0	128.4	127.3	126.7	125.6	124.4	123.8
5°	150.7	150.7	150.7	149.5	147.8	146.7	144.4	142.7	139.8	137.5	135.3
7.5°	170.1	170.1	169.5	167.8	166.6	163.8	160.9	158.7	154.1	150.7	146.1
10°	186.1	186.1	185.5	182.6	180.9	177.5	174.6	170.6	166.1	161.5	156.4
12.5°	201.5	201.5	199.2	196.9	193.5	188.9	184.9	180.9	174.6	169.5	163.2
15°	215.7	215.7	214.6	210.6	206.0	200.9	195.2	189.5	182.1	175.2	168.4
17.5°	228.3	227.7	226.0	221.4	216.9	210.6	203.7	196.9	187.8	179.8	171.2
20°	236.8	236.8	234.6	229.4	224.3	217.4	210.0	202.0	192.3	182.6	172.4
22.5°	242.6	242.0	239.7	234.6	228.3	221.4	212.9	204.3	193.5	182.6	171.8
25°	244.3	243.7	241.4	235.7	229.4	222.0	212.9	203.7	192.3	180.9	168.9
27.5°	243.1	242.6	240.3	234.0	227.7	219.2	210.0	200.3	188.9	176.9	164.9
30°	239.7	238.0	235.7	230.0	223.2	214.6	204.9	194.0	182.6	170.1	158.1
32.5°	231.1	231.1	228.3	222.6	215.7	206.6	196.9	186.6	174.1	162.1	149.5
35°	221.4	220.9	218.6	212.3	206.0	197.5	187.8	176.9	164.9	153.0	141.0
37.5°	209.5	208.9	206.6	200.9	194.0	186.1	175.8	165.5	154.1	142.1	131.3
40°	196.3	195.2	192.3	187.8	182.1	172.9	163.8	153.5	142.7	131.8	121.0
42.5°	181.5	180.3	178.1	174.6	167.8	159.8	151.2	141.5	131.3	120.4	112.4
45°	162.7	162.7	161.5	158.1	153.0	146.7	137.5	129.0	119.3	109.6	101.0
47.5°	139.3	140.4	139.8	138.1	135.8	130.1	123.8	116.4	107.3	98.7	90.7
50°	118.7	119.3	119.9	118.7	117.0	113.0	109.0	104.4	96.5	88.5	81.0
52.5°	95.3	97.0	97.0	97.6	97.6	96.5	95.3	90.2	86.2	78.2	71.3
55°	78.2	78.2	78.2	79.3	79.9	80.5	79.3	78.2	73.6	67.9	61.6
57.5°	63.9	63.9	65.1	64.5	64.5	65.6	65.6	65.1	62.2	57.1	51.4
60°	52.5	52.5	52.5	52.5	53.1	53.1	53.1	53.1	50.8	46.2	41.7
62.5°	42.2	42.2	42.2	42.8	42.8	42.8	43.4	42.8	40.5	37.1	33.1
65°	33.7	33.1	33.7	33.7	34.2	34.2	34.2	33.7	31.4	29.1	26.3
67.5°	25.1	25.7	25.7	25.7	26.3	26.8	26.3	25.7	24.0	21.7	20.5
70°	18.3	18.8	18.8	18.8	19.4	20.0	19.4	18.8	17.7	16.6	15.4
72.5°	12.0	12.6	12.6	13.1	13.7	13.7	13.1	13.1	12.6	11.4	10.8
75°	7.4	7.4	8.0	8.0	8.6	8.6	8.6	8.0	8.0	7.4	7.4
77.5°	3.4	3.4	4.0	4.0	4.0	4.6	4.6	4.6	4.6	4.6	4.0
80°	1.1	1.1	1.1	1.1	1.1	1.7	1.7	1.7	2.3	2.3	2.3
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.1	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	0.0	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°	113.0	113.0	113.0	113.0	113.0	113.0	113.0	113.0
2.5°	122.7	121.0	118.7	113.0	107.3	102.7	99.9	99.3
5°	132.4	129.6	124.4	111.9	101.6	93.6	89.0	87.3
7.5°	142.1	137.0	129.6	110.1	94.7	85.0	79.9	77.6
10°	150.1	143.8	134.1	107.9	89.0	77.6	71.3	69.6
12.5°	156.4	149.0	137.0	104.4	83.3	70.8	64.5	62.8
15°	160.4	152.4	138.7	100.4	77.6	65.1	58.8	56.5
17.5°	162.1	152.4	138.1	96.5	72.5	59.9	53.6	51.9
20°	162.1	151.2	136.4	91.9	67.3	54.8	49.1	47.4
22.5°	160.4	149.0	132.4	86.7	62.8	50.8	45.1	43.4
25°	156.9	144.4	127.8	82.2	58.2	46.8	41.7	40.5
27.5°	151.8	139.3	122.1	77.6	54.2	43.4	38.8	37.7
30°	145.5	133.0	115.9	71.9	50.2	40.5	36.5	34.8
32.5°	137.5	125.6	109.0	67.3	46.8	37.7	34.2	33.1
35°	129.0	118.1	101.6	62.8	43.4	35.4	32.0	30.8
37.5°	120.4	109.0	95.3	57.6	40.5	33.1	30.2	29.1
40°	111.3	102.7	88.5	53.1	38.2	31.4	28.5	28.0
42.5°	102.2	93.0	78.8	49.1	35.4	29.1	26.8	26.3
45°	91.3	82.8	71.3	44.5	33.1	28.0	25.7	25.1
47.5°	82.2	74.2	63.9	40.5	30.8	26.3	24.0	23.4
50°	73.6	65.6	55.9	36.0	28.5	24.5	22.8	21.7
52.5°	63.9	57.1	48.5	32.0	26.3	22.8	21.1	20.5
55°	55.4	48.5	40.5	28.5	24.0	21.7	19.4	18.8
57.5°	45.7	40.0	34.2	25.1	21.7	19.4	18.3	17.1
60°	37.1	33.1	29.1	22.3	19.4	18.3	16.6	16.0
62.5°	30.2	27.4	24.5	19.4	17.1	16.0	14.8	13.7
65°	24.0	22.3	20.0	16.6	14.8	14.3	13.1	12.0
67.5°	18.8	17.7	16.0	13.1	12.6	12.0	10.8	9.7
70°	14.3	13.7	12.6	10.3	9.7	10.3	9.1	8.0
72.5°	10.3	9.7	9.1	7.4	7.4	7.4	6.8	5.7
75°	6.8	6.3	5.7	5.1	5.1	5.1	5.1	4.6
77.5°	4.0	4.0	3.4	2.9	3.4	3.4	4.0	4.0
80°	1.7	1.7	1.7	1.7	2.3	2.3	2.9	2.9
82.5°	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7
85°	0.6	0.6	0.6	0.6	0.6	1.1	1.1	1.1
87.5°	0.6	0.6	0.6	0.6	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

(END OF REPORT)