

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: P1323700

Luminaire Tested: LDSQA3D05R709030D2WDE010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323700
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: LDSQA3D05R709030D2WDE010 3LSQCLSWWR 1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
3LSQCLSWWR 1MMS TRIM
Light Source: -
Ballast/Driver: -

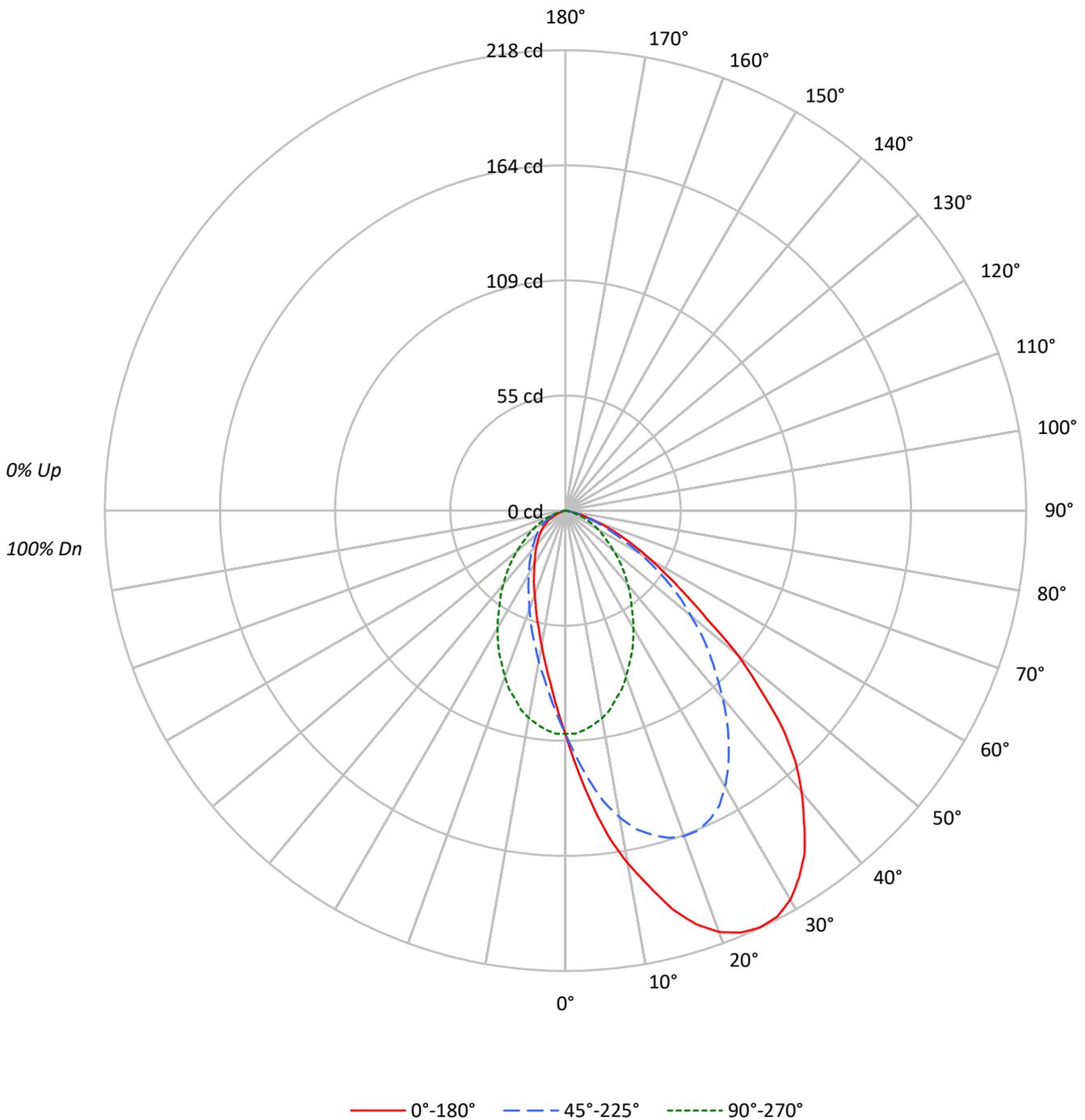
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 237.0 lumens
Efficiency: N/A
Efficacy: 21.4 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): 11.1
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89	89	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77	77	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67	67	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59	59	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52	52	52
6	75	63	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46	46	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42	42	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38	38	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34	34	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31	31	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	18204	18204	18204	18204	18204
5°	23961	22146	18014	15075	14124
10°	29642	25795	17435	12731	11332
15°	34839	28349	16439	10751	9325
20°	38909	30057	15340	9127	7771
25°	41388	30689	14119	7867	6727
30°	42319	30029	12787	6841	5847
35°	41502	28299	11416	6181	5235
40°	39096	25989	10319	5598	4699
45°	35316	23552	9231	5090	4360
50°	28588	20711	8011	4796	4019
55°	20808	17805	6876	4504	3603
60°	16154	14088	6166	4133	3272
65°	12185	10147	5094	3668	2445
70°	8510	7301	3777	2769	1511
75°	4991	4325	1996	1331	333
80°	992	1488	496	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 35316 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	4.4
10°-20°	30.8	13.0
20°-30°	46.4	19.6
30°-40°	51.6	21.8
40°-50°	45.7	19.3
50°-60°	31.1	13.1
60°-70°	16.3	6.9
70°-80°	4.6	2.0
80°-90°	0.1	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°	87.6	36.9
0°-40°	139.2	58.7
0°-60°	216.0	91.1
0°-90°	237.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	237.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	106	106	106	106	106	
5°	139	128	104	87	82	14
15°	195	159	92	60	52	55
25°	218	162	74	41	35	100
35°	197	135	54	29	25	122
45°	145	97	38	21	18	110
55°	69	59	23	15	12	64
65°	30	25	12	9	6	30
75°	8	6	3	2	0	8
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°	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7
2.5°	121.6	121.1	120.6	120.6	120.1	119.6	118.6	118.6	117.6	116.6	115.6
5°	138.6	138.6	138.6	137.1	137.1	135.1	134.1	132.1	130.1	128.1	125.6
7.5°	155.5	155.5	154.0	153.5	152.0	150.0	148.5	145.5	142.0	139.1	135.1
10°	169.5	169.5	168.0	167.0	164.0	162.0	159.0	155.5	152.0	147.5	142.5
12.5°	181.9	182.4	180.4	178.4	175.4	172.4	168.5	164.0	159.5	154.5	148.0
15°	195.4	194.9	192.4	189.9	186.4	181.9	176.9	171.0	165.0	159.0	152.0
17.5°	205.3	204.8	202.4	199.4	194.9	189.4	183.9	176.9	170.0	162.5	154.0
20°	212.3	211.8	209.3	205.3	200.9	194.9	188.4	180.4	172.9	164.0	154.5
22.5°	216.3	215.8	212.8	209.3	203.8	197.4	190.4	181.9	173.4	164.0	153.5
25°	217.8	216.8	213.8	209.8	204.3	197.4	189.4	180.4	171.5	161.5	150.5
27.5°	216.8	215.8	212.3	207.8	201.9	193.9	185.9	176.9	167.5	157.5	146.0
30°	212.8	211.3	208.3	203.8	197.4	189.4	180.9	171.5	161.5	151.0	139.6
32.5°	205.8	204.8	201.9	196.9	190.4	182.4	173.9	164.0	154.0	143.5	132.1
35°	197.4	195.4	192.4	187.9	181.4	173.4	165.0	154.5	145.0	134.6	123.6
37.5°	185.4	184.9	181.4	177.9	171.5	163.0	155.0	145.0	135.6	125.6	114.6
40°	173.9	172.9	170.0	166.0	159.5	152.0	143.5	134.6	125.1	115.6	105.7
42.5°	161.0	159.5	157.5	153.5	147.5	140.1	132.1	123.1	114.6	105.7	96.7
45°	145.0	144.5	142.0	140.1	134.6	128.1	120.1	112.1	103.7	96.7	89.7
47.5°	124.6	124.1	123.6	122.1	119.1	114.6	108.7	101.2	94.7	87.7	78.3
50°	106.7	106.2	105.2	104.7	102.2	99.7	95.2	90.7	85.2	77.3	69.8
52.5°	84.7	85.2	86.7	87.2	86.7	84.7	82.7	81.2	73.8	68.8	61.8
55°	69.3	69.3	68.8	69.3	69.8	70.8	70.8	68.8	63.8	59.3	53.3
57.5°	56.8	56.8	56.8	56.8	56.8	57.3	57.3	56.8	54.3	49.8	44.4
60°	46.9	46.4	46.4	46.9	46.4	46.4	46.9	46.9	44.4	40.9	35.9
62.5°	37.9	37.9	37.9	37.4	37.4	37.9	37.9	37.4	35.4	31.9	28.4
65°	29.9	29.9	29.9	29.9	29.9	30.4	29.9	29.4	27.4	24.9	22.4
67.5°	22.9	22.9	23.4	22.9	23.4	23.4	23.4	22.4	20.9	18.9	17.4
70°	16.9	16.9	16.9	17.4	17.9	17.9	17.4	16.4	15.5	14.5	13.0
72.5°	11.5	12.0	12.0	12.0	12.5	12.5	12.0	11.5	11.0	10.0	9.5
75°	7.5	7.0	7.5	7.5	8.0	8.0	7.5	7.5	7.0	6.5	6.0
77.5°	3.5	3.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.5	3.5
80°	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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°	105.7	105.7	105.7	105.7	105.7	105.7	105.7	105.7
2.5°	114.6	113.1	111.1	105.7	100.7	96.2	93.7	93.2
5°	122.6	120.6	115.6	104.2	94.7	87.2	82.7	81.7
7.5°	131.1	127.1	120.1	102.2	88.7	79.2	74.3	72.8
10°	137.6	132.6	123.1	99.7	82.7	72.8	66.8	64.8
12.5°	142.0	136.1	125.6	96.7	77.8	65.8	59.8	57.8
15°	144.5	138.1	126.1	92.2	71.8	60.3	53.8	52.3
17.5°	145.5	138.1	125.1	88.7	66.3	54.8	48.8	46.9
20°	145.0	136.1	122.6	83.7	61.3	49.8	43.9	42.4
22.5°	143.0	133.1	118.6	78.7	56.3	44.9	39.9	38.9
25°	140.1	129.1	114.1	74.3	51.8	41.4	36.4	35.4
27.5°	135.1	124.1	108.2	69.3	47.8	37.9	33.4	31.9
30°	128.6	118.1	102.2	64.3	43.9	34.4	30.4	29.4
32.5°	121.6	111.1	96.2	59.3	40.4	31.9	27.9	26.9
35°	113.6	103.7	88.7	54.3	36.9	29.4	25.4	24.9
37.5°	105.7	95.7	82.2	50.3	33.9	26.9	23.4	22.9
40°	96.7	88.7	78.7	45.9	31.4	24.9	21.9	20.9
42.5°	91.2	80.2	67.8	41.9	28.9	22.9	19.9	19.4
45°	79.2	71.3	61.3	37.9	26.4	20.9	18.4	17.9
47.5°	71.3	64.3	54.8	33.9	24.4	19.4	16.9	16.4
50°	63.3	56.8	47.8	29.9	22.4	17.9	15.5	15.0
52.5°	55.3	48.8	40.9	26.4	19.9	16.4	14.0	13.5
55°	47.3	41.4	33.9	22.9	17.9	15.0	13.0	12.0
57.5°	38.9	33.9	28.9	20.4	15.9	13.5	11.5	10.5
60°	31.4	28.4	24.4	17.9	14.0	12.0	10.0	9.5
62.5°	25.4	22.9	20.4	15.5	12.5	10.5	9.0	7.5
65°	20.4	18.9	16.9	12.5	10.5	9.0	7.5	6.0
67.5°	15.9	15.0	13.5	10.5	8.5	7.5	5.5	4.5
70°	12.5	11.5	10.5	7.5	6.5	5.5	4.0	3.0
72.5°	9.0	8.0	7.5	5.5	4.5	4.0	2.5	1.5
75°	5.5	5.5	4.5	3.0	2.5	2.0	1.0	0.5
77.5°	3.0	3.0	2.5	1.5	1.5	0.5	0.0	0.0
80°	1.5	1.0	1.0	0.5	0.5	0.0	0.0	0.0
82.5°	0.5	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)