

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: P1323537

Luminaire Tested: LDSQA3D02R659030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323537
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R659030D2WDE010 3LSQCA30R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R65 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

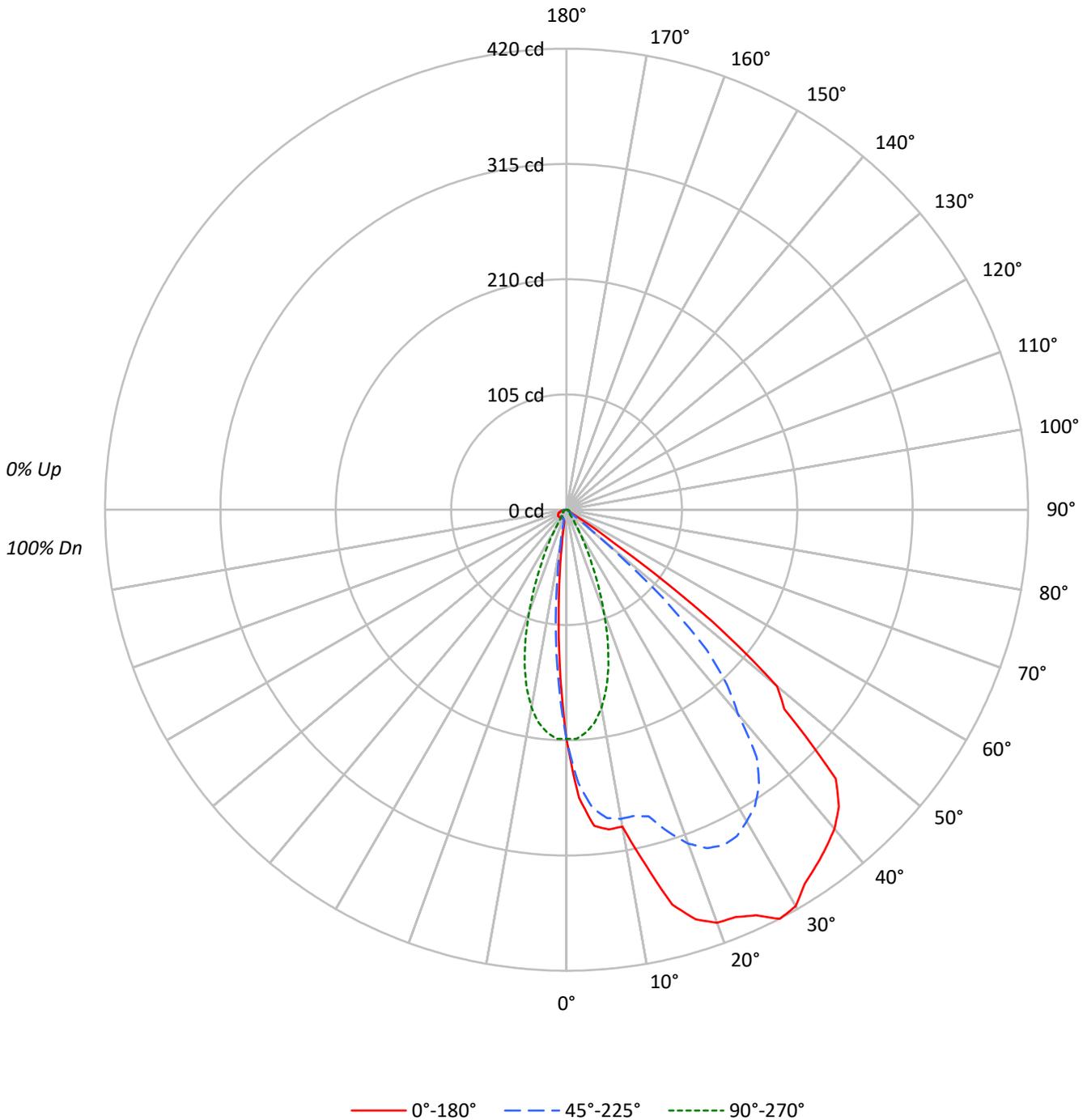
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 313.0 lumens
Efficiency: N/A
Efficacy: 43.5 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
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

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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	35960	35960	35960	35960	35960
5°	49997	47179	35198	19345	13606
10°	51257	49998	32020	5404	1994
15°	66398	51564	26210	1747	1676
20°	73384	59308	18236	1558	1613
25°	77455	64096	10318	1482	1615
30°	82927	65208	4653	1491	1690
35°	83236	64209	1514	1577	1850
40°	85274	54564	1034	1686	2046
45°	84442	43963	1023	1827	2216
50°	67010	10369	1045	2009	2519
55°	15914	601	1081	2252	2822
60°	551	689	1240	2342	3031
65°	652	652	1182	2527	3301
70°	504	655	1158	2467	3424
75°	466	665	1065	2595	3460
80°	298	694	1289	2579	3570
85°	593	1383	1383	2569	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 84613 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.4	5.6
10°-20°	45.9	14.7
20°-30°	72.1	23.0
30°-40°	82.5	26.3
40°-50°	66.3	21.2
50°-60°	21.6	6.9
60°-70°	3.8	1.2
70°-80°	2.5	0.8
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°	135.4	43.3
0°-40°	217.9	69.6
0°-60°	305.8	97.7
0°-90°	313.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	313.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	209	209	209	209	209	
5°	289	273	204	112	79	27
15°	372	289	147	10	9	104
25°	408	337	54	8	8	190
35°	396	305	7	8	9	249
45°	347	180	4	8	9	249
55°	53	2	4	8	9	76
65°	2	2	3	6	8	1
75°	1	1	2	4	5	1
85°	0	1	1	1	2	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°	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8
2.5°	262.8	261.8	263.1	260.9	260.5	258.3	257.0	256.3	253.4	249.5	245.9
5°	289.2	285.3	286.2	285.9	284.3	283.3	282.0	280.4	276.5	272.9	268.3
7.5°	293.7	290.5	291.1	291.4	290.5	290.1	289.8	289.2	286.6	283.3	279.4
10°	293.1	289.8	289.5	288.5	287.5	287.9	287.9	287.9	287.2	285.9	284.6
12.5°	330.8	326.2	325.3	318.4	312.3	301.5	294.7	288.2	285.3	285.6	284.6
15°	372.4	372.1	368.9	362.4	351.9	342.2	326.6	314.9	299.9	289.2	284.6
17.5°	391.3	391.0	388.0	382.5	375.0	365.9	354.5	340.9	324.3	307.7	294.0
20°	400.4	402.7	399.4	394.9	387.7	379.3	368.5	356.2	340.6	323.6	307.4
22.5°	401.7	404.6	401.7	398.5	393.3	387.7	378.6	365.9	350.0	333.7	317.8
25°	407.6	408.5	402.4	398.1	393.3	389.3	382.2	371.1	354.9	337.3	321.7
27.5°	420.2	416.0	403.0	397.2	392.6	389.0	382.2	370.8	353.2	335.4	319.1
30°	417.0	415.4	404.0	398.5	394.6	391.0	382.5	367.9	346.7	327.9	311.0
32.5°	403.7	406.9	403.0	401.1	399.1	394.6	382.2	362.4	338.6	319.4	296.6
35°	395.9	399.8	400.1	400.1	397.8	391.0	376.3	354.2	330.5	305.4	274.9
37.5°	388.0	391.3	393.3	394.6	391.3	381.5	363.0	343.2	317.1	284.3	230.6
40°	379.3	381.5	383.2	383.8	378.9	366.3	349.3	326.9	297.6	242.7	205.9
42.5°	366.9	368.2	367.9	367.6	362.4	348.4	332.4	309.0	251.1	216.3	171.7
45°	346.7	345.4	347.4	347.4	340.6	330.1	309.0	263.5	224.8	180.5	110.6
47.5°	268.7	269.6	279.1	294.4	303.8	300.9	272.3	230.6	189.0	118.4	36.8
50°	250.1	249.2	249.5	251.1	252.1	244.0	223.5	194.8	124.9	38.7	2.6
52.5°	167.8	168.8	176.3	193.5	199.1	193.2	173.7	130.1	45.5	2.6	2.3
55°	53.0	56.6	60.8	69.9	85.9	96.0	94.0	46.2	2.9	2.0	2.3
57.5°	2.0	2.0	2.6	4.6	8.8	14.3	15.0	2.9	2.3	2.3	2.3
60°	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.0
62.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0
65°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0
67.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.6	1.6	1.6
70°	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6
72.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.3	1.3
75°	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0
80°	0.3	0.3	0.3	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3
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°	208.8	208.8	208.8	208.8	208.8	208.8	208.8	208.8
2.5°	244.0	240.0	232.2	208.8	184.4	160.0	144.7	140.8
5°	263.1	258.6	247.5	203.6	154.2	111.9	87.8	78.7
7.5°	274.9	269.3	256.3	195.5	120.0	65.1	39.0	31.2
10°	280.1	275.2	260.5	183.1	86.8	30.9	13.7	11.4
12.5°	282.3	278.4	262.2	166.9	56.6	13.7	10.1	9.8
15°	283.3	279.1	261.5	147.0	32.2	9.8	9.4	9.4
17.5°	284.3	279.4	257.6	124.3	17.9	9.1	8.8	9.1
20°	292.1	278.1	250.8	99.5	11.7	8.5	8.5	8.8
22.5°	299.9	277.8	238.7	76.1	9.1	8.1	8.5	8.5
25°	302.5	274.5	223.5	54.3	7.8	7.8	8.1	8.5
27.5°	297.6	265.1	203.0	36.8	6.8	7.8	8.1	8.5
30°	286.2	249.2	178.2	23.4	6.5	7.5	8.1	8.5
32.5°	265.1	217.6	150.6	14.0	6.2	7.5	8.5	8.5
35°	222.8	182.5	119.4	7.2	6.2	7.5	8.5	8.8
37.5°	194.8	152.2	83.3	4.9	6.2	7.5	8.5	8.8
40°	161.7	109.9	34.8	4.6	6.2	7.5	8.5	9.1
42.5°	111.9	47.8	5.5	4.2	5.9	7.5	8.8	9.1
45°	40.3	6.2	2.6	4.2	5.9	7.5	8.8	9.1
47.5°	3.6	2.3	2.6	4.2	5.9	7.5	8.8	9.4
50°	2.3	2.3	2.3	3.9	5.9	7.5	8.8	9.4
52.5°	2.3	2.3	2.3	3.9	5.5	7.5	9.1	9.4
55°	2.3	2.3	2.3	3.6	5.5	7.5	8.8	9.4
57.5°	2.3	2.3	2.6	3.6	5.5	7.2	8.8	9.1
60°	2.3	2.3	2.3	3.6	5.2	6.8	8.5	8.8
62.5°	2.0	2.3	2.3	3.3	4.9	6.5	8.1	8.5
65°	2.0	2.0	2.3	2.9	4.6	6.2	7.5	8.1
67.5°	1.6	2.0	2.0	2.6	3.9	5.5	6.8	7.5
70°	1.6	1.6	1.6	2.3	3.6	4.9	6.5	6.8
72.5°	1.3	1.6	1.6	2.0	2.9	4.2	5.5	6.2
75°	1.3	1.3	1.3	1.6	2.6	3.9	4.9	5.2
77.5°	1.0	1.0	1.3	1.3	2.3	2.9	4.2	4.6
80°	1.0	1.0	1.0	1.3	1.6	2.6	3.3	3.6
82.5°	0.7	0.7	0.7	1.0	1.3	1.6	2.3	2.6
85°	0.7	0.7	0.7	0.7	1.0	1.3	1.6	1.6
87.5°	0.3	0.3	0.3	0.7	0.7	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)