

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: P1323658

Luminaire Tested: LDSQA3D05R509030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323658
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-65)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R509030D2WDE010 3LSQCA30R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

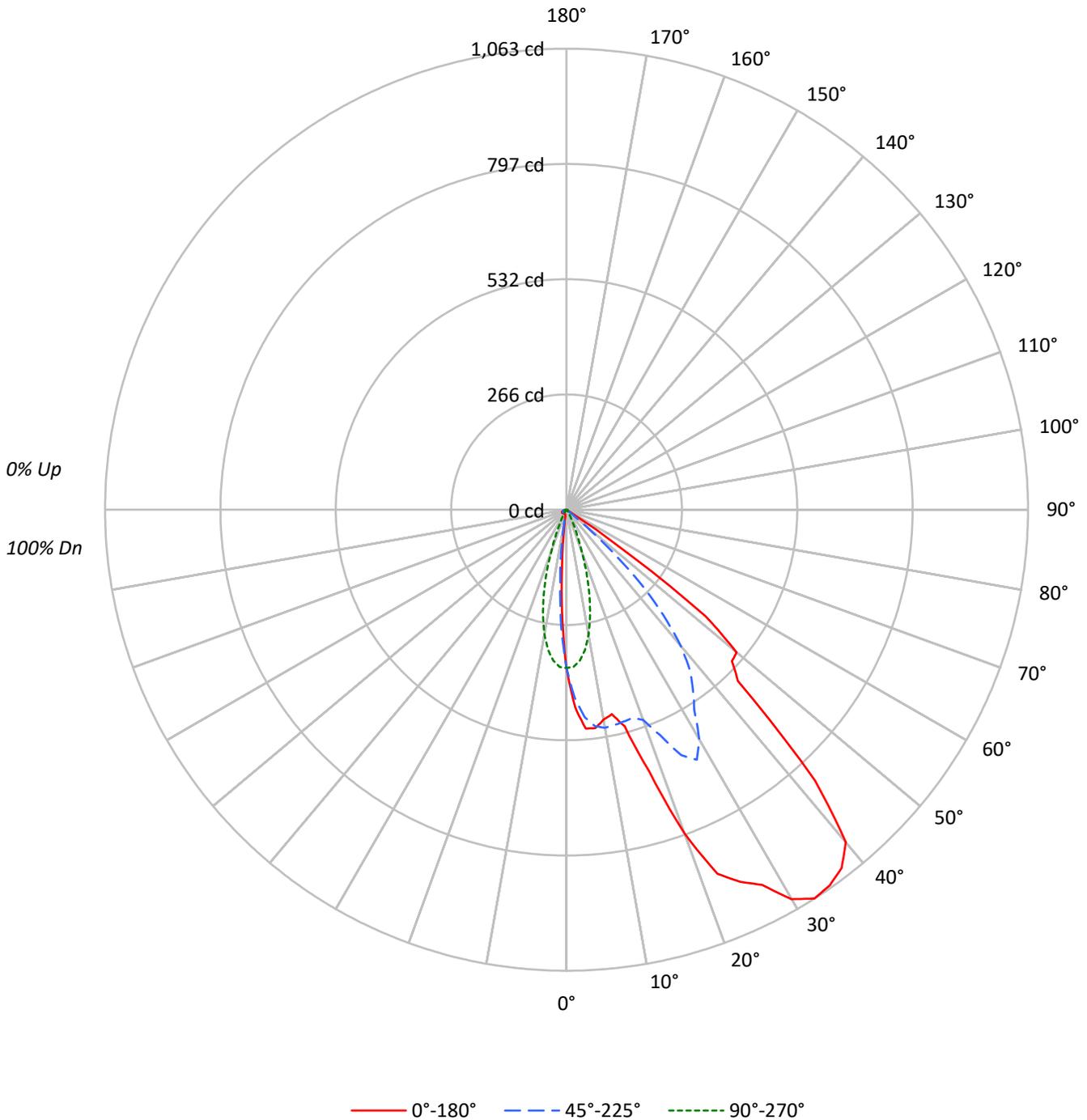
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 567.0 lumens
Efficiency: N/A
Efficacy: 51.1 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.54 / 1.2
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	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	103	110	107	104	101	102	100	98	99	97	95	95	94	93	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	68	61	55	66	60	55	64	59	55	63	58	54	63	58	54	53
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	42	38	60	49	42	38	48	42	38	47	42	37	46	41	37	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	62775	62775	62775	62775	62775
5°	87547	83052	60353	29009	18827
10°	85936	89241	50995	6121	2623
15°	92144	90201	36052	2140	2050
20°	145521	94442	19042	1833	1924
25°	179822	118615	7582	1710	1900
30°	206164	121646	3082	1690	1989
35°	222250	106762	1367	1787	2208
40°	224978	91952	1012	2023	2473
45°	135979	59599	974	2192	2801
50°	136993	10315	1072	2545	3215
55°	40475	601	1201	2852	3603
60°	689	689	1206	3100	3961
65°	611	611	1223	3260	4279
70°	755	755	1259	3525	4784
75°	665	665	1331	3660	4991
80°	496	992	1488	3471	5455
85°	988	1976	1976	3952	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 155318 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.5	5.2
10°-20°	73.2	12.9
20°-30°	137.1	24.2
30°-40°	163.9	28.9
40°-50°	117.5	20.7
50°-60°	36.2	6.4
60°-70°	4.7	0.8
70°-80°	3.4	0.6
80°-90°	1.4	0.2
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°	239.8	42.3
0°-40°	403.7	71.2
0°-60°	557.4	98.3
0°-90°	567.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	567.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	364	364	364	364	364	
5°	506	480	349	168	109	47
15°	517	506	202	12	12	166
25°	946	624	40	9	10	436
35°	1057	508	6	8	10	656
45°	558	245	4	9	12	513
55°	135	2	4	10	12	174
65°	2	2	3	8	10	2
75°	1	1	2	6	8	1
85°	0	1	1	2	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°	364.5	364.5	364.5	364.5	364.5	364.5	364.5	364.5	364.5	364.5	364.5
2.5°	455.9	456.9	458.4	454.4	451.9	449.9	446.4	445.4	436.9	433.4	429.9
5°	506.4	505.4	506.4	504.9	503.9	500.9	497.9	492.9	487.4	480.4	472.4
7.5°	507.8	506.9	508.8	508.8	510.8	510.8	510.8	511.3	508.3	503.4	496.4
10°	491.4	491.4	493.4	492.4	495.9	497.4	500.9	506.9	509.8	510.3	508.3
12.5°	482.9	482.9	483.4	481.4	482.4	483.9	487.9	494.9	501.9	508.8	512.8
15°	516.8	517.8	510.8	500.9	493.4	485.4	482.9	487.4	494.9	505.9	514.8
17.5°	632.2	633.7	626.2	602.2	579.3	546.3	516.8	502.4	494.4	503.4	515.3
20°	794.0	788.5	775.5	750.0	716.6	665.6	619.7	573.3	528.8	515.3	519.3
22.5°	908.3	906.3	895.9	867.4	838.4	791.0	732.6	667.6	603.2	562.3	540.8
25°	946.3	944.8	935.3	918.3	902.3	866.4	814.0	748.5	681.1	624.2	570.3
27.5°	974.8	972.8	957.8	938.8	922.3	885.9	837.9	788.5	726.6	649.7	566.8
30°	1036.7	1031.2	1010.2	976.2	944.8	894.4	841.4	780.0	696.1	611.7	530.8
32.5°	1062.6	1059.6	1041.7	1014.2	979.7	913.8	833.4	730.6	620.2	547.3	488.4
35°	1057.1	1052.7	1034.2	1002.7	960.8	897.3	790.0	648.7	558.8	507.8	441.4
37.5°	1040.7	1034.2	1012.2	975.2	924.3	841.4	701.1	582.3	524.3	466.9	377.5
40°	1000.7	990.2	964.8	926.3	875.4	766.5	620.2	542.3	488.4	409.0	306.1
42.5°	847.9	842.4	854.9	848.4	803.5	675.1	562.8	505.9	431.4	330.6	221.7
45°	558.3	567.8	590.2	628.7	637.7	580.8	515.8	445.9	355.0	244.7	127.8
47.5°	516.8	514.8	520.3	527.8	529.3	505.4	446.4	368.5	263.7	139.8	35.5
50°	511.3	508.3	503.9	494.9	475.9	429.4	362.5	268.7	152.3	38.5	2.5
52.5°	404.0	401.0	401.0	388.0	363.5	318.6	250.2	147.8	42.4	2.5	2.0
55°	134.8	143.8	142.3	141.8	152.8	140.8	107.9	38.0	3.5	2.0	2.0
57.5°	2.5	2.5	2.5	4.5	7.0	10.0	6.0	3.0	2.0	2.0	2.0
60°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
62.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
65°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0
67.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5
75°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5
77.5°	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
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°	364.5	364.5	364.5	364.5	364.5	364.5	364.5	364.5
2.5°	422.0	415.0	401.5	363.0	320.6	272.2	239.2	235.2
5°	459.9	449.4	427.5	349.1	252.2	167.8	124.8	108.9
7.5°	484.9	470.9	443.9	326.1	183.8	88.4	47.4	38.0
10°	499.9	486.9	452.4	291.6	116.9	35.0	16.0	15.0
12.5°	507.8	495.4	455.4	250.2	65.9	16.0	12.5	12.5
15°	513.3	499.9	450.9	202.2	33.0	12.0	11.5	11.5
17.5°	515.8	499.4	437.9	152.3	17.5	11.0	11.0	11.0
20°	517.3	493.9	414.0	103.9	12.0	10.0	10.5	10.5
22.5°	518.8	480.4	382.5	65.9	9.5	9.5	10.0	10.0
25°	515.8	456.9	338.1	39.9	8.5	9.0	9.5	10.0
27.5°	494.4	421.5	284.1	24.5	7.5	8.5	9.5	10.0
30°	457.4	369.5	221.7	15.5	7.0	8.5	9.5	10.0
32.5°	409.5	310.1	158.3	9.5	7.0	8.5	9.5	10.0
35°	345.1	237.2	102.9	6.5	7.0	8.5	10.0	10.5
37.5°	272.7	165.8	55.4	5.0	7.0	8.5	10.0	10.5
40°	196.2	99.4	20.0	4.5	6.5	9.0	10.5	11.0
42.5°	114.9	37.0	3.5	4.0	6.5	9.0	10.5	11.0
45°	33.0	4.0	2.0	4.0	6.5	9.0	11.0	11.5
47.5°	2.5	1.5	2.0	4.0	6.5	9.0	11.0	12.0
50°	1.5	1.5	1.5	4.0	6.5	9.5	11.5	12.0
52.5°	2.0	2.0	2.0	4.0	6.5	9.5	11.5	12.0
55°	2.0	2.0	2.0	4.0	6.5	9.5	11.5	12.0
57.5°	2.0	2.0	2.0	4.0	6.5	9.0	11.5	12.0
60°	2.0	2.0	2.0	3.5	6.0	9.0	11.0	11.5
62.5°	2.0	2.0	2.0	3.5	6.0	8.5	11.0	11.0
65°	2.0	2.0	2.0	3.0	5.5	8.0	10.0	10.5
67.5°	2.0	2.0	2.0	3.0	5.0	7.5	9.5	10.0
70°	1.5	2.0	2.0	2.5	4.5	7.0	9.0	9.5
72.5°	1.5	1.5	2.0	2.5	4.0	6.0	8.0	8.5
75°	1.5	1.5	1.5	2.0	3.5	5.5	7.0	7.5
77.5°	1.5	1.5	1.5	2.0	3.0	4.5	6.5	6.5
80°	1.0	1.5	1.5	1.5	2.5	3.5	5.0	5.5
82.5°	1.0	1.0	1.0	1.5	2.0	3.0	4.0	4.0
85°	1.0	1.0	1.0	1.0	1.5	2.0	2.5	2.5
87.5°	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)