

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: P1323667

Luminaire Tested: LDSQA3D05R559030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323667
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R559030D2WDE010 3LSQCA30R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

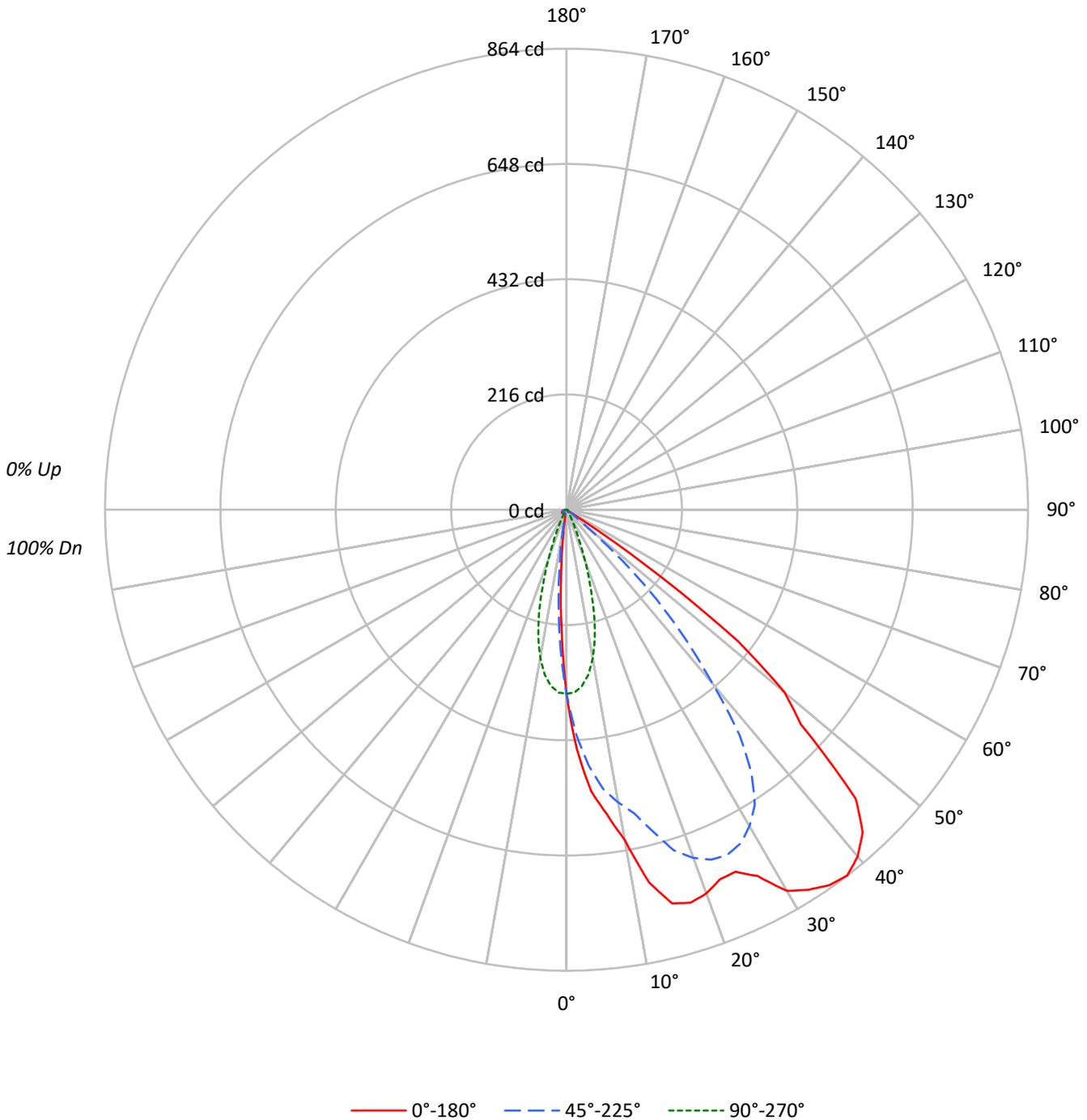
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 575.0 lumens
Efficiency: N/A
Efficacy: 51.8 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
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 (A_{in}): 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	110	107	104	102	103	100	98	99	97	95	95	94	93		91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83		81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75		73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67		65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61		59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55		53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50		48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45		44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41		40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	59348	59348	59348	59348	59348
5°	91523	83328	57327	29442	19345
10°	109964	97390	49351	7432	2973
15°	136166	111222	35267	2050	1605
20°	140242	127248	18218	1375	1375
25°	142273	135527	7316	1235	1425
30°	163985	136183	3182	1293	1491
35°	180516	126967	1367	1367	1682
40°	190670	95571	787	1574	1799
45°	186494	58381	731	1705	2192
50°	142646	12459	804	2009	2545
55°	52335	450	901	2252	2852
60°	517	517	1033	2583	3272
65°	611	611	1223	2649	3464
70°	504	755	1259	3021	4028
75°	333	665	1331	3327	4658
80°	496	992	1488	3471	4959
85°	0	988	1976	3952	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 186494 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.3	5.3
10°-20°	86.9	15.1
20°-30°	133.3	23.2
30°-40°	155.3	27.0
40°-50°	124.1	21.6
50°-60°	36.7	6.4
60°-70°	3.9	0.7
70°-80°	3.1	0.5
80°-90°	1.3	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°	250.5	43.6
0°-40°	405.8	70.6
0°-60°	566.7	98.5
0°-90°	575.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	575.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	345	345	345	345	345	
5°	529	482	332	170	112	53
15°	764	624	198	12	9	211
25°	749	713	38	6	8	356
35°	859	604	6	6	8	535
45°	766	240	3	7	9	552
55°	174	2	3	8	10	185
65°	2	2	3	6	8	1
75°	0	1	2	5	7	1
85°	0	0	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°	344.6	344.6	344.6	344.6	344.6	344.6	344.6	344.6	344.6	344.6	344.6
2.5°	449.5	449.5	448.0	448.5	447.5	442.0	441.0	434.0	428.0	421.6	416.1
5°	529.4	530.4	528.9	525.9	521.9	518.0	509.5	503.0	494.5	482.0	470.5
7.5°	574.9	573.9	571.4	570.4	567.9	563.4	557.4	550.4	540.4	527.9	514.5
10°	628.8	620.3	617.8	613.9	605.9	596.9	586.4	576.9	568.4	556.9	542.4
12.5°	715.7	714.2	704.3	696.8	685.8	665.8	647.8	626.8	601.9	581.9	562.9
15°	763.7	764.7	760.2	754.2	747.2	730.7	712.7	688.3	658.8	623.8	592.9
17.5°	772.2	773.7	771.2	768.7	766.7	757.2	746.2	728.7	701.8	669.3	623.3
20°	765.2	768.2	768.7	771.7	775.7	771.7	762.7	750.7	728.2	694.3	650.3
22.5°	749.7	755.2	759.2	769.7	780.2	780.2	774.7	765.2	743.2	709.7	664.8
25°	748.7	749.7	751.2	768.2	784.7	788.2	783.2	773.2	749.2	713.2	664.3
27.5°	773.7	767.2	757.2	774.2	793.7	796.7	789.7	776.2	747.7	705.3	647.3
30°	824.6	810.1	789.2	801.7	815.1	811.6	797.7	776.2	737.7	684.8	615.3
32.5°	844.1	836.1	828.6	842.1	844.6	830.1	805.1	773.2	721.7	655.8	562.9
35°	858.6	859.1	856.1	858.6	846.6	826.1	798.7	756.7	691.8	603.9	493.5
37.5°	863.6	864.6	858.1	849.1	831.1	807.6	774.7	726.7	641.8	532.4	388.6
40°	848.1	845.1	834.6	822.1	802.7	778.7	742.7	671.3	567.4	425.1	303.2
42.5°	820.6	815.6	803.1	788.2	767.7	737.2	679.8	593.4	461.0	331.6	212.3
45°	765.7	762.2	746.7	735.7	711.2	671.8	597.9	489.0	356.6	239.7	122.9
47.5°	594.9	595.4	607.4	612.9	604.4	572.9	486.0	371.6	260.2	142.8	41.5
50°	532.4	529.9	518.0	501.5	474.0	427.0	356.6	262.7	153.8	46.5	6.0
52.5°	404.1	404.1	398.1	389.6	360.6	315.2	241.2	145.3	53.9	8.0	1.5
55°	174.3	165.3	170.3	179.8	172.3	149.8	112.9	43.5	9.5	1.5	1.5
57.5°	2.5	6.0	9.0	14.5	19.5	23.5	12.5	4.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
62.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
65°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
67.5°	1.0	1.0	1.0	1.5	1.0	1.5	1.5	1.5	1.5	1.5	1.5
70°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5
72.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
75°	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
77.5°	0.5	0.5	0.5	0.5	0.5	0.5	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	0.5	1.0	1.0	1.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5
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°	344.6	344.6	344.6	344.6	344.6	344.6	344.6	344.6
2.5°	408.1	399.6	385.6	343.1	299.2	258.7	229.8	218.8
5°	457.5	442.0	418.6	331.6	244.2	170.3	128.4	111.9
7.5°	496.5	476.5	442.5	311.7	179.3	90.9	54.4	43.0
10°	522.4	500.5	456.0	282.2	118.9	42.5	20.5	17.0
12.5°	541.4	514.0	461.0	244.2	69.9	19.5	11.0	10.0
15°	555.4	519.9	455.0	197.8	38.5	11.5	9.0	9.0
17.5°	574.9	522.9	440.5	145.8	22.0	8.5	8.5	8.5
20°	589.9	522.9	413.1	99.4	13.5	7.5	7.5	7.5
22.5°	597.4	515.0	379.6	62.9	9.5	7.0	7.5	7.5
25°	589.9	495.5	336.6	38.5	7.5	6.5	7.0	7.5
27.5°	562.4	456.5	279.2	24.5	6.0	6.5	7.0	7.5
30°	516.5	400.1	214.3	16.0	5.5	6.5	7.0	7.5
32.5°	451.5	316.2	138.9	10.5	5.0	6.5	7.0	7.5
35°	352.6	223.8	83.9	6.5	5.0	6.5	7.5	8.0
37.5°	264.2	149.3	45.5	4.0	5.0	6.5	7.5	8.0
40°	183.3	86.9	19.5	3.5	5.0	7.0	8.0	8.0
42.5°	106.4	34.5	5.0	3.0	5.0	7.0	8.0	8.5
45°	39.0	7.0	1.5	3.0	5.5	7.0	8.0	9.0
47.5°	5.5	1.5	1.5	3.0	5.5	7.0	8.5	9.0
50°	1.5	1.5	1.5	3.0	5.5	7.5	9.0	9.5
52.5°	1.5	1.5	1.5	3.0	5.5	7.5	9.0	9.5
55°	1.5	1.5	1.5	3.0	5.5	7.5	9.0	9.5
57.5°	1.5	1.5	1.5	3.0	5.5	7.5	9.0	9.5
60°	1.5	1.5	1.5	3.0	5.0	7.5	9.0	9.5
62.5°	1.5	1.5	1.5	3.0	5.0	7.0	8.5	9.0
65°	1.5	1.5	1.5	3.0	4.5	6.5	8.5	8.5
67.5°	1.5	1.5	1.5	2.5	4.5	6.5	8.0	8.5
70°	1.5	1.5	1.5	2.5	4.0	6.0	7.5	8.0
72.5°	1.5	1.5	1.5	2.0	3.5	5.5	7.0	7.5
75°	1.0	1.5	1.5	2.0	3.5	5.0	6.5	7.0
77.5°	1.0	1.5	1.5	1.5	3.0	4.0	5.5	6.0
80°	1.0	1.0	1.5	1.5	2.5	3.5	4.5	5.0
82.5°	1.0	1.0	1.0	1.5	2.0	2.5	3.5	3.5
85°	1.0	1.0	1.0	1.0	1.5	2.0	2.5	2.5
87.5°	0.5	0.5	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)