

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: P1310094

Luminaire Tested: LDSQA3D05R559035DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310094  
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: LDSQA3D05R559035DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

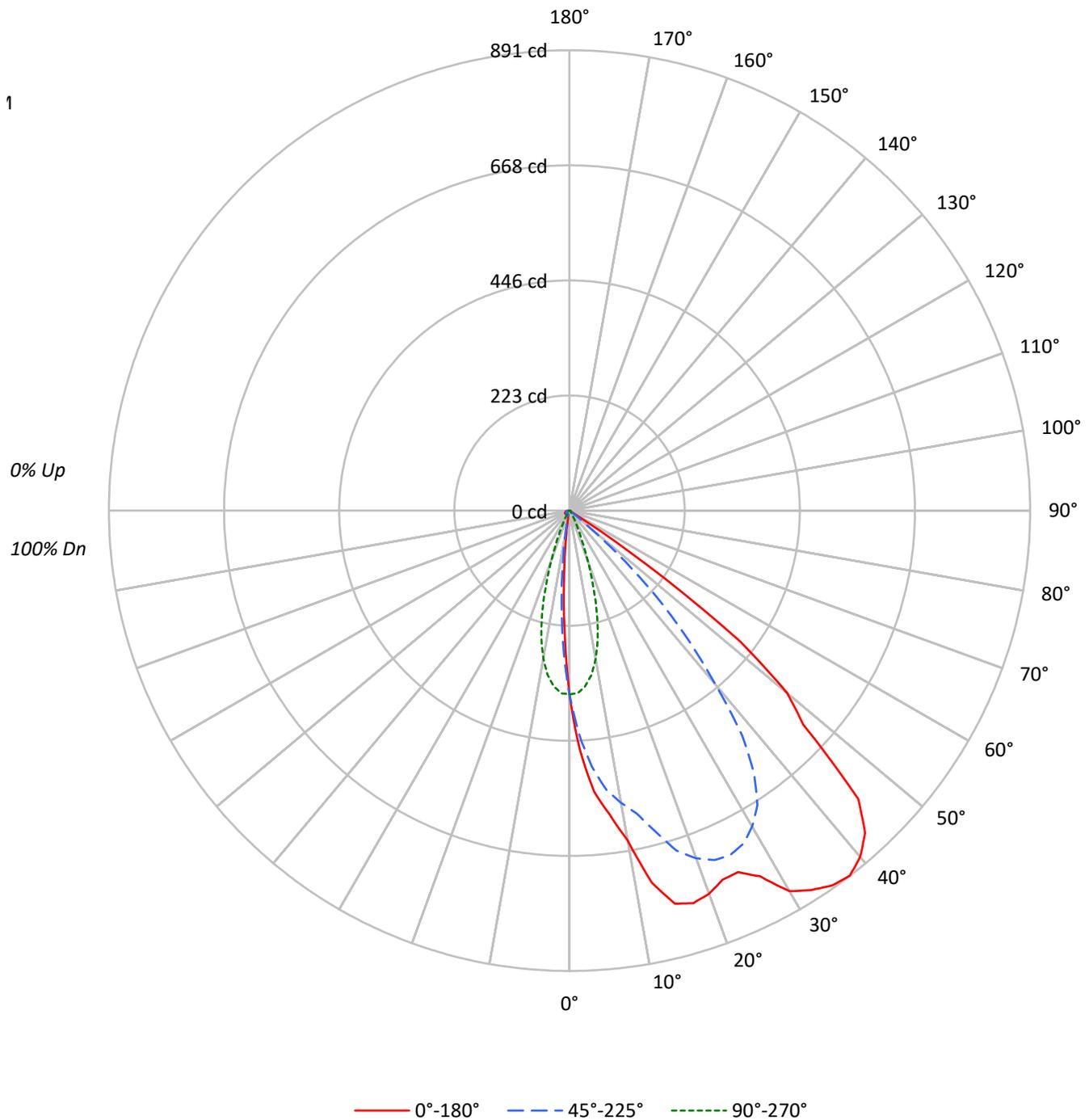
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 593.0 lumens  
Efficiency: N/A  
Efficacy: 82.4 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): 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	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	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91	91	91	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81	81	81	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73	73	73	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65	65	65	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59	59	59	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53	53	53	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48	48	48	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44	44	44	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40	40	40	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37	37	37	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	61208	61208	61208	61208	61208
5°	94393	85939	59125	30375	19950
10°	113409	100433	50890	7660	3060
15°	140428	114717	36373	2104	1658
20°	144623	131225	18786	1411	1411
25°	146720	139784	7544	1273	1463
30°	169115	140439	3281	1332	1531
35°	186172	130941	1409	1409	1724
40°	196651	98561	809	1619	1844
45°	192339	60232	755	1754	2265
50°	147121	12834	831	2063	2626
55°	53987	450	931	2312	2943
60°	517	517	1068	2652	3376
65°	611	611	1263	2730	3586
70°	504	755	1309	3122	4129
75°	333	665	1397	3460	4791
80°	496	992	1488	3570	5157
85°	0	988	1976	4150	5138

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 192339 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.3	5.3
10°-20°	89.6	15.1
20°-30°	137.5	23.2
30°-40°	160.2	27.0
40°-50°	128.0	21.6
50°-60°	37.9	6.4
60°-70°	4.0	0.7
70°-80°	3.2	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°	258.4	43.6
0°-40°	418.5	70.6
0°-60°	584.4	98.6
0°-90°	593.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	593.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	355	355	355	355	355	
5°	546	497	342	176	115	54
15°	788	643	204	12	9	217
25°	772	736	40	7	8	367
35°	886	623	7	7	8	551
45°	790	247	3	7	9	569
55°	180	2	3	8	10	190
65°	2	2	3	7	9	1
75°	0	1	2	5	7	1
85°	0	0	1	2	3	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°	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4
2.5°	463.6	463.6	462.1	462.6	461.5	455.9	454.8	447.6	441.4	434.8	429.1
5°	546.0	547.0	545.5	542.4	538.3	534.2	525.4	518.7	510.0	497.1	485.2
7.5°	592.9	591.9	589.3	588.3	585.7	581.0	574.9	567.6	557.3	544.5	530.6
10°	648.5	639.8	637.2	633.1	624.8	615.6	604.7	594.9	586.2	574.3	559.4
12.5°	738.1	736.6	726.3	718.6	707.2	686.6	668.1	646.5	620.7	600.1	580.5
15°	787.6	788.6	784.0	777.8	770.6	753.6	735.1	709.8	679.4	643.4	611.4
17.5°	796.4	797.9	795.3	792.7	790.7	780.9	769.6	751.5	723.7	690.2	642.9
20°	789.1	792.2	792.7	795.8	800.0	795.8	786.6	774.2	751.0	716.0	670.7
22.5°	773.2	778.8	783.0	793.8	804.6	804.6	798.9	789.1	766.5	732.0	685.6
25°	772.1	773.2	774.7	792.2	809.2	812.8	807.7	797.4	772.7	735.6	685.1
27.5°	797.9	791.2	780.9	798.4	818.5	821.6	814.4	800.5	771.1	727.3	667.6
30°	850.4	835.5	813.9	826.7	840.7	837.0	822.6	800.5	760.8	706.2	634.6
32.5°	870.5	862.3	854.6	868.5	871.0	856.1	830.4	797.4	744.3	676.3	580.5
35°	885.5	886.0	882.9	885.5	873.1	852.0	823.7	780.4	713.4	622.8	508.9
37.5°	890.6	891.7	885.0	875.7	857.1	832.9	798.9	749.5	661.9	549.1	400.8
40°	874.7	871.6	860.7	847.9	827.8	803.1	766.0	692.3	585.2	438.4	312.7
42.5°	846.3	841.2	828.3	812.8	791.7	760.3	701.1	611.9	475.4	342.0	218.9
45°	789.7	786.1	770.1	758.8	733.5	692.8	616.6	504.3	367.8	247.3	126.7
47.5°	613.5	614.0	626.4	632.0	623.3	590.8	501.2	383.2	268.4	147.3	42.8
50°	549.1	546.5	534.2	517.2	488.8	440.4	367.8	270.9	158.7	47.9	6.2
52.5°	416.7	416.7	410.5	401.8	371.9	325.0	248.8	149.9	55.6	8.2	1.5
55°	179.8	170.5	175.7	185.4	177.7	154.5	116.4	44.8	9.8	1.5	1.5
57.5°	2.6	6.2	9.3	14.9	20.1	24.2	12.9	4.6	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°	355.4	355.4	355.4	355.4	355.4	355.4	355.4	355.4
2.5°	420.8	412.1	397.7	353.9	308.5	266.8	236.9	225.6
5°	471.8	455.9	431.7	342.0	251.9	175.7	132.4	115.4
7.5°	512.0	491.4	456.4	321.4	184.9	93.7	56.1	44.3
10°	538.8	516.1	470.3	291.0	122.6	43.8	21.1	17.5
12.5°	558.4	530.0	475.4	251.9	72.1	20.1	11.3	10.3
15°	572.8	536.2	469.3	204.0	39.7	11.8	9.3	9.3
17.5°	592.9	539.3	454.3	150.4	22.7	8.8	8.8	8.8
20°	608.3	539.3	426.0	102.5	13.9	7.7	7.7	7.7
22.5°	616.1	531.1	391.5	64.9	9.8	7.2	7.7	7.7
25°	608.3	511.0	347.2	39.7	7.7	6.7	7.2	7.7
27.5°	580.0	470.8	287.9	25.2	6.2	6.7	7.2	7.7
30°	532.6	412.6	221.0	16.5	5.7	6.7	7.2	7.7
32.5°	465.7	326.1	143.2	10.8	5.2	6.7	7.2	7.7
35°	363.7	230.8	86.5	6.7	5.2	6.7	7.7	8.2
37.5°	272.5	154.0	46.9	4.1	5.2	6.7	7.7	8.2
40°	189.0	89.6	20.1	3.6	5.2	7.2	8.2	8.2
42.5°	109.7	35.5	5.2	3.1	5.2	7.2	8.2	8.8
45°	40.2	7.2	1.5	3.1	5.7	7.2	8.2	9.3
47.5°	5.7	1.5	1.5	3.1	5.7	7.2	8.8	9.3
50°	1.5	1.5	1.5	3.1	5.7	7.7	9.3	9.8
52.5°	1.5	1.5	1.5	3.1	5.7	7.7	9.3	9.8
55°	1.5	1.5	1.5	3.1	5.7	7.7	9.3	9.8
57.5°	1.5	1.5	1.5	3.1	5.7	7.7	9.3	9.8
60°	1.5	1.5	1.5	3.1	5.2	7.7	9.3	9.8
62.5°	1.5	1.5	1.5	3.1	5.2	7.2	8.8	9.3
65°	1.5	1.5	1.5	3.1	4.6	6.7	8.8	8.8
67.5°	1.5	1.5	1.5	2.6	4.6	6.7	8.2	8.8
70°	1.5	1.5	1.5	2.6	4.1	6.2	7.7	8.2
72.5°	1.5	1.5	1.5	2.1	3.6	5.7	7.2	7.7
75°	1.0	1.5	1.5	2.1	3.6	5.2	6.7	7.2
77.5°	1.0	1.5	1.5	1.5	3.1	4.1	5.7	6.2
80°	1.0	1.0	1.5	1.5	2.6	3.6	4.6	5.2
82.5°	1.0	1.0	1.0	1.5	2.1	2.6	3.6	3.6
85°	1.0	1.0	1.0	1.0	1.5	2.1	2.6	2.6
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)