

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: P1311385

Luminaire Tested: LDSQA3D09R659040DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311385  
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: LDSQA3D09R659040DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R65 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

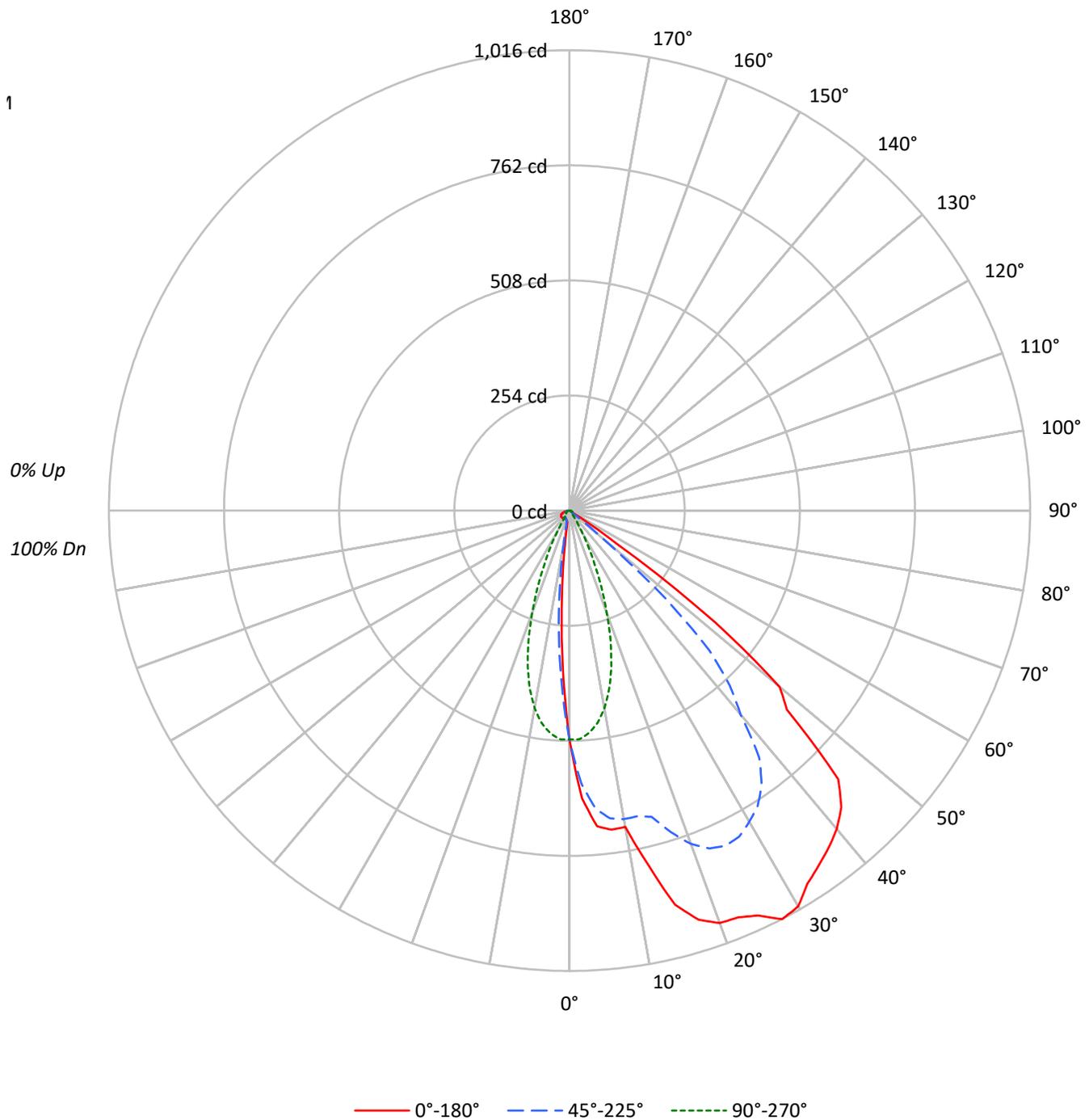
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 757.0 lumens  
Efficiency: N/A  
Efficacy: 68.2 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): 11.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	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	56	66	60	55	64	59	55	63	58	54	63	58	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	38	36

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

	0°	45°	90°	135°	180°
0°	86972	86972	86972	86972	86972
5°	120913	114101	85144	46781	32916
10°	123955	120929	77454	13063	4809
15°	160593	124702	63403	4208	4065
20°	177484	143450	44114	3757	3885
25°	187309	155024	24970	3592	3896
30°	200556	157700	11256	3599	4077
35°	201289	155308	3637	3805	4457
40°	206228	131947	2473	4069	4946
45°	204249	106338	2484	4408	5358
50°	162098	25078	2519	4850	6109
55°	38493	1411	2612	5435	6846
60°	1343	1619	2997	5683	7302
65°	1589	1589	2893	6072	8028
70°	1209	1561	2769	5942	8308
75°	1065	1597	2595	6255	8384
80°	793	1587	3075	6248	8629
85°	1581	3162	3162	6126	7707

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 10°  
 Vertical Angle: 45°  
 Luminance: 204639 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.2	5.6
10°-20°	111.0	14.7
20°-30°	174.4	23.0
30°-40°	199.5	26.3
40°-50°	160.3	21.2
50°-60°	52.1	6.9
60°-70°	9.3	1.2
70°-80°	6.1	0.8
80°-90°	2.2	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°	327.5	43.3
0°-40°	527.0	69.6
0°-60°	739.4	97.7
0°-90°	757.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	757.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	505	505	505	505	505	
5°	699	660	492	271	190	66
15°	901	699	356	24	23	251
25°	986	816	131	19	20	459
35°	957	739	17	18	21	601
45°	839	437	10	18	22	603
55°	128	5	9	18	23	183
65°	4	4	7	15	20	3
75°	2	2	4	9	13	2
85°	1	2	2	3	4	1
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°	505.0	505.0	505.0	505.0	505.0	505.0	505.0	505.0	505.0	505.0	505.0
2.5°	635.6	633.3	636.4	630.9	630.1	624.6	621.5	619.9	612.8	603.4	594.7
5°	699.4	689.9	692.3	691.5	687.6	685.2	682.0	678.1	668.7	660.0	649.0
7.5°	710.4	702.5	704.1	704.9	702.5	701.7	700.9	699.4	693.1	685.2	675.8
10°	708.8	700.9	700.1	697.8	695.4	696.2	696.2	696.2	694.6	691.5	688.3
12.5°	800.1	789.0	786.7	770.2	755.2	729.2	712.7	697.0	689.9	690.7	688.3
15°	900.7	900.0	892.1	876.4	851.2	827.6	789.8	761.5	725.3	699.4	688.3
17.5°	946.4	945.6	938.5	925.1	907.0	885.0	857.5	824.4	784.3	744.2	711.2
20°	968.4	973.9	966.0	955.0	937.7	917.3	891.3	861.4	823.7	782.7	743.4
22.5°	971.5	978.6	971.5	963.7	951.1	937.7	915.7	885.0	846.5	807.1	768.6
25°	985.7	988.1	973.1	962.9	951.1	941.7	924.3	897.6	858.3	815.8	778.0
27.5°	1016.4	1006.2	974.7	960.5	949.5	940.9	924.3	896.8	854.3	811.1	771.7
30°	1008.5	1004.6	977.1	963.7	954.2	945.6	925.1	889.7	838.6	793.0	752.1
32.5°	976.3	984.1	974.7	970.0	965.3	954.2	924.3	876.4	818.9	772.5	717.4
35°	957.4	966.8	967.6	967.6	962.1	945.6	910.2	856.7	799.3	738.7	664.7
37.5°	938.5	946.4	951.1	954.2	946.4	922.8	877.9	829.9	767.0	687.6	557.8
40°	917.3	922.8	926.7	928.3	916.5	885.8	844.9	790.6	719.8	586.9	498.0
42.5°	887.4	890.5	889.7	888.9	876.4	842.5	804.0	747.3	607.3	523.1	415.4
45°	838.6	835.5	840.2	840.2	823.7	798.5	747.3	637.2	543.6	436.6	267.5
47.5°	649.8	652.2	675.0	711.9	734.8	727.7	658.4	557.8	457.1	286.4	88.9
50°	605.0	602.6	603.4	607.3	609.7	590.0	540.4	471.2	302.1	93.6	6.3
52.5°	405.9	408.3	426.4	468.1	481.4	467.3	420.1	314.7	110.1	6.3	5.5
55°	128.2	136.9	147.1	169.1	207.7	232.1	227.3	111.7	7.1	4.7	5.5
57.5°	4.7	4.7	6.3	11.0	21.2	34.6	36.2	7.1	5.5	5.5	5.5
60°	3.9	3.9	3.9	3.9	3.9	3.9	4.7	4.7	4.7	4.7	4.7
62.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.7	4.7	4.7	4.7
65°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.7
67.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.9	3.9	3.9	3.9
70°	2.4	2.4	2.4	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.9
72.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.1	3.1	3.1
75°	1.6	1.6	1.6	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
77.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4
80°	0.8	0.8	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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°	505.0	505.0	505.0	505.0	505.0	505.0	505.0	505.0
2.5°	590.0	580.6	561.7	505.0	446.0	387.0	350.1	340.6
5°	636.4	625.4	598.7	492.5	372.9	270.6	212.4	190.4
7.5°	664.7	651.4	619.9	472.8	290.3	157.3	94.4	75.5
10°	677.3	665.5	630.1	442.9	210.0	74.7	33.0	27.5
12.5°	682.8	673.4	634.1	403.6	136.9	33.0	24.4	23.6
15°	685.2	675.0	632.5	355.6	77.9	23.6	22.8	22.8
17.5°	687.6	675.8	623.0	300.5	43.3	22.0	21.2	22.0
20°	706.4	672.6	606.5	240.7	28.3	20.5	20.5	21.2
22.5°	725.3	671.8	577.4	184.1	22.0	19.7	20.5	20.5
25°	731.6	664.0	540.4	131.4	18.9	18.9	19.7	20.5
27.5°	719.8	641.1	490.9	88.9	16.5	18.9	19.7	20.5
30°	692.3	602.6	431.1	56.6	15.7	18.1	19.7	20.5
32.5°	641.1	526.3	364.2	33.8	14.9	18.1	20.5	20.5
35°	538.9	441.3	288.7	17.3	14.9	18.1	20.5	21.2
37.5°	471.2	368.2	201.4	11.8	14.9	18.1	20.5	21.2
40°	391.0	265.9	84.2	11.0	14.9	18.1	20.5	22.0
42.5°	270.6	115.6	13.4	10.2	14.2	18.1	21.2	22.0
45°	97.5	14.9	6.3	10.2	14.2	18.1	21.2	22.0
47.5°	8.7	5.5	6.3	10.2	14.2	18.1	21.2	22.8
50°	5.5	5.5	5.5	9.4	14.2	18.1	21.2	22.8
52.5°	5.5	5.5	5.5	9.4	13.4	18.1	22.0	22.8
55°	5.5	5.5	5.5	8.7	13.4	18.1	21.2	22.8
57.5°	5.5	5.5	6.3	8.7	13.4	17.3	21.2	22.0
60°	5.5	5.5	5.5	8.7	12.6	16.5	20.5	21.2
62.5°	4.7	5.5	5.5	7.9	11.8	15.7	19.7	20.5
65°	4.7	4.7	5.5	7.1	11.0	14.9	18.1	19.7
67.5°	3.9	4.7	4.7	6.3	9.4	13.4	16.5	18.1
70°	3.9	3.9	3.9	5.5	8.7	11.8	15.7	16.5
72.5°	3.1	3.9	3.9	4.7	7.1	10.2	13.4	14.9
75°	3.1	3.1	3.1	3.9	6.3	9.4	11.8	12.6
77.5°	2.4	2.4	3.1	3.1	5.5	7.1	10.2	11.0
80°	2.4	2.4	2.4	3.1	3.9	6.3	7.9	8.7
82.5°	1.6	1.6	1.6	2.4	3.1	3.9	5.5	6.3
85°	1.6	1.6	1.6	1.6	2.4	3.1	3.9	3.9
87.5°	0.8	0.8	0.8	1.6	1.6	1.6	1.6	1.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)