

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: P1307043

Luminaire Tested: LDSQA3D09R559024DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307043  
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: LDSQA3D09R559024DE010 3LSQCA30R 1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 2400K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

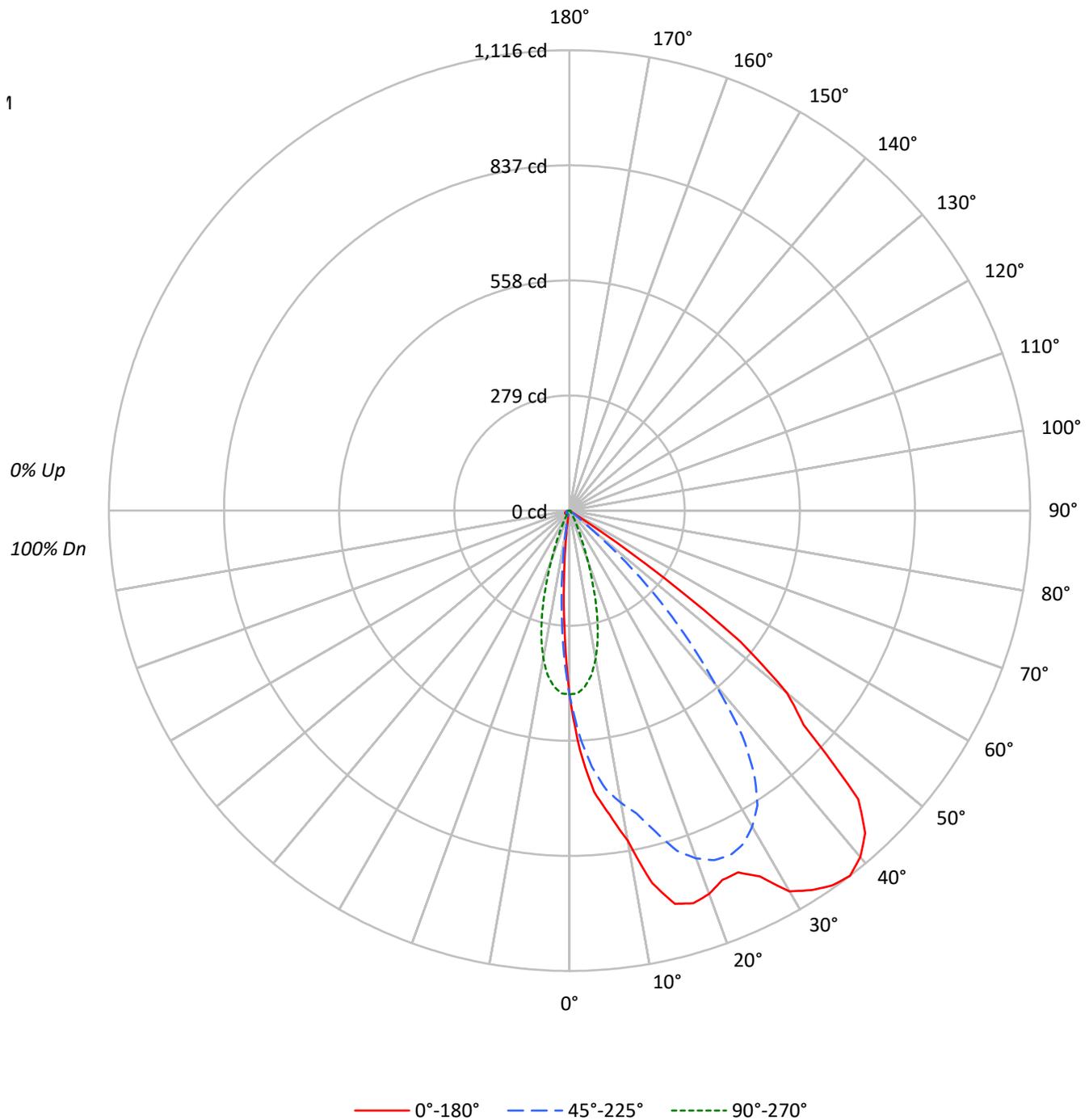
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 743.0 lumens  
Efficiency: N/A  
Efficacy: 66.9 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<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

TEST NUMBER: P1307043  
CATALOG NUMBER: LDSQA3D09R559024DE010 3LSQCA30R 1MW

### 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	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
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°	76691	76691	76691	76691	76691
5°	118268	107670	74079	38051	24999
10°	142107	125843	63779	9601	3830
15°	175944	143726	45573	2639	2068
20°	181223	164416	23533	1778	1778
25°	183851	175129	9444	1596	1843
30°	211911	175956	4117	1670	1929
35°	233246	164054	1766	1766	2166
40°	246381	123472	1012	2023	2316
45°	240978	75455	950	2192	2825
50°	184336	16076	1045	2599	3296
55°	67619	570	1171	2913	3693
60°	654	654	1343	3341	4237
65°	774	774	1589	3423	4483
70°	655	957	1611	3877	5187
75°	399	865	1730	4325	5989
80°	595	1289	1884	4463	6447
85°	0	1186	2569	5138	6323

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 240978 cd/sqm



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CATALOG NUMBER: LDSQA3D09R559024DE010 3LSQCA30R 1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.2	5.3
10°-20°	112.3	15.1
20°-30°	172.2	23.2
30°-40°	200.7	27.0
40°-50°	160.4	21.6
50°-60°	47.5	6.4
60°-70°	5.1	0.7
70°-80°	4.0	0.5
80°-90°	1.7	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°	323.7	43.6
0°-40°	524.4	70.6
0°-60°	732.2	98.6
0°-90°	743.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	743.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	445	445	445	445	445	
5°	684	623	428	220	145	68
15°	987	806	256	15	12	272
25°	968	922	50	8	10	460
35°	1109	780	8	8	10	691
45°	989	310	4	9	12	713
55°	225	2	4	10	12	239
65°	2	2	4	8	11	2
75°	1	1	3	6	9	1
85°	0	1	1	3	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°	445.3	445.3	445.3	445.3	445.3	445.3	445.3	445.3	445.3	445.3	445.3
2.5°	580.9	580.9	578.9	579.6	578.3	571.2	569.9	560.9	553.1	544.7	537.6
5°	684.1	685.4	683.5	679.6	674.4	669.3	658.3	649.9	638.9	622.8	608.0
7.5°	742.9	741.6	738.3	737.1	733.8	728.0	720.3	711.2	698.3	682.2	664.8
10°	812.6	801.6	798.4	793.2	782.9	771.3	757.7	745.4	734.5	719.6	700.9
12.5°	924.9	922.9	910.0	900.3	886.1	860.3	837.1	810.0	777.7	751.9	727.4
15°	986.8	988.1	982.3	974.6	965.5	944.2	921.0	889.4	851.3	806.1	766.1
17.5°	997.8	999.7	996.5	993.3	990.7	978.4	964.2	941.6	906.8	864.8	805.5
20°	988.8	992.6	993.3	997.1	1002.3	997.1	985.5	970.0	941.0	897.1	840.3
22.5°	968.8	975.9	981.0	994.6	1008.1	1008.1	1001.0	988.8	960.4	917.1	859.0
25°	967.5	968.8	970.7	992.6	1013.9	1018.4	1012.0	999.1	968.1	921.6	858.4
27.5°	999.7	991.3	978.4	1000.4	1025.5	1029.4	1020.4	1003.0	966.2	911.3	836.4
30°	1065.6	1046.8	1019.7	1035.9	1053.3	1048.8	1030.7	1003.0	953.3	884.8	795.1
32.5°	1090.7	1080.4	1070.7	1088.2	1091.4	1072.7	1040.4	999.1	932.6	847.4	727.4
35°	1109.4	1110.1	1106.2	1109.4	1094.0	1067.5	1032.0	977.8	893.9	780.3	637.7
37.5°	1115.9	1117.2	1108.8	1097.2	1074.0	1043.6	1001.0	939.1	829.3	688.0	502.1
40°	1095.9	1092.0	1078.5	1062.3	1037.2	1006.2	959.7	867.4	733.2	549.2	391.8
42.5°	1060.4	1053.9	1037.8	1018.4	992.0	952.6	878.4	766.7	595.7	428.5	274.3
45°	989.4	984.9	964.9	950.7	919.1	868.1	772.5	631.9	460.8	309.8	158.8
47.5°	768.7	769.3	784.8	791.9	780.9	740.3	628.0	480.2	336.3	184.6	53.6
50°	688.0	684.8	669.3	648.0	612.5	551.8	460.8	339.5	198.8	60.0	7.7
52.5°	522.1	522.1	514.4	503.4	466.0	407.2	311.7	187.8	69.7	10.3	1.9
55°	225.2	213.6	220.1	232.3	222.7	193.6	145.9	56.2	12.3	1.9	1.9
57.5°	3.2	7.7	11.6	18.7	25.2	30.3	16.1	5.8	1.9	1.9	1.9
60°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
62.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
65°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
67.5°	1.3	1.3	1.3	1.9	1.3	1.9	1.9	1.9	1.9	1.9	1.9
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.9	1.9
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	0.6	0.6	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.3	1.3	1.3	1.3
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.3	1.3
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
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°	445.3	445.3	445.3	445.3	445.3	445.3	445.3	445.3
2.5°	527.3	516.3	498.3	443.4	386.6	334.3	296.9	282.7
5°	591.2	571.2	540.8	428.5	315.6	220.1	165.9	144.6
7.5°	641.5	615.7	571.8	402.7	231.7	117.5	70.3	55.5
10°	675.1	646.7	589.3	364.7	153.6	54.9	26.5	21.9
12.5°	699.6	664.1	595.7	315.6	90.4	25.2	14.2	12.9
15°	717.7	671.9	588.0	255.6	49.7	14.8	11.6	11.6
17.5°	742.9	675.7	569.2	188.5	28.4	11.0	11.0	11.0
20°	762.2	675.7	533.7	128.4	17.4	9.7	9.7	9.7
22.5°	771.9	665.4	490.5	81.3	12.3	9.0	9.7	9.7
25°	762.2	640.2	435.0	49.7	9.7	8.4	9.0	9.7
27.5°	726.7	589.9	360.8	31.6	7.7	8.4	9.0	9.7
30°	667.3	517.0	276.9	20.7	7.1	8.4	9.0	9.7
32.5°	583.4	408.5	179.4	13.6	6.5	8.4	9.0	9.7
35°	455.7	289.1	108.4	8.4	6.5	8.4	9.7	10.3
37.5°	341.4	193.0	58.7	5.2	6.5	8.4	9.7	10.3
40°	236.9	112.3	25.2	4.5	6.5	9.0	10.3	10.3
42.5°	137.5	44.5	6.5	3.9	6.5	9.0	10.3	11.0
45°	50.3	9.0	1.9	3.9	7.1	9.0	10.3	11.6
47.5°	7.1	1.9	1.9	3.9	7.1	9.0	11.0	11.6
50°	1.9	1.9	1.9	3.9	7.1	9.7	11.6	12.3
52.5°	1.9	1.9	1.9	3.9	7.1	9.7	11.6	12.3
55°	1.9	1.9	1.9	3.9	7.1	9.7	11.6	12.3
57.5°	1.9	1.9	1.9	3.9	7.1	9.7	11.6	12.3
60°	1.9	1.9	1.9	3.9	6.5	9.7	11.6	12.3
62.5°	1.9	1.9	1.9	3.9	6.5	9.0	11.0	11.6
65°	1.9	1.9	1.9	3.9	5.8	8.4	11.0	11.0
67.5°	1.9	1.9	1.9	3.2	5.8	8.4	10.3	11.0
70°	1.9	1.9	1.9	3.2	5.2	7.7	9.7	10.3
72.5°	1.9	1.9	1.9	2.6	4.5	7.1	9.0	9.7
75°	1.3	1.9	1.9	2.6	4.5	6.5	8.4	9.0
77.5°	1.3	1.9	1.9	1.9	3.9	5.2	7.1	7.7
80°	1.3	1.3	1.9	1.9	3.2	4.5	5.8	6.5
82.5°	1.3	1.3	1.3	1.9	2.6	3.2	4.5	4.5
85°	1.3	1.3	1.3	1.3	1.9	2.6	3.2	3.2
87.5°	0.6	0.6	1.3	1.3	1.3	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)