

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: P1323813

Luminaire Tested: LDSQA3D09R559030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323813
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: LDSQA3D09R559030D2WDE010 3LSQCA30R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

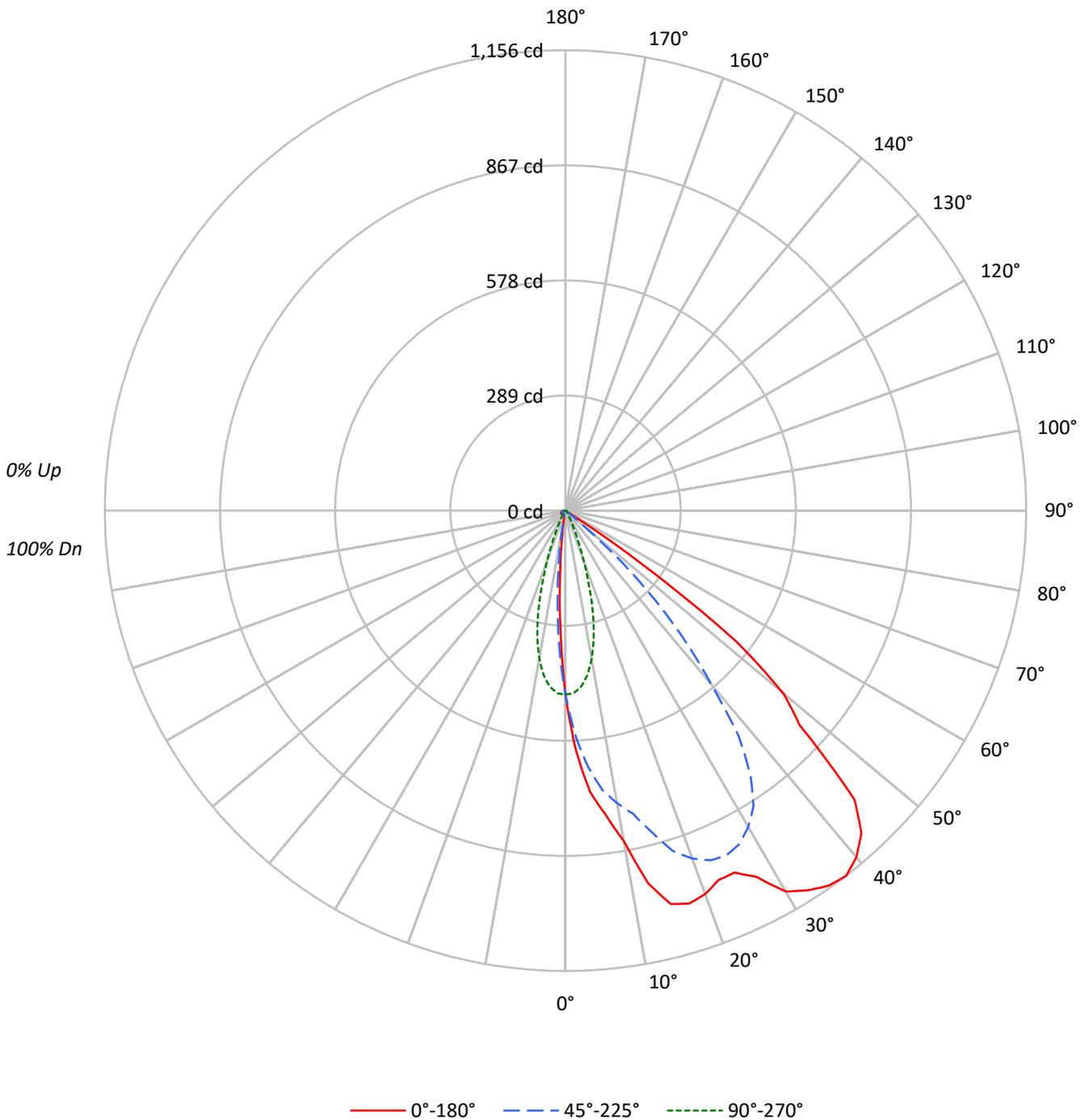
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 770.0 lumens
Efficiency: N/A
Efficacy: 52.4 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): 14.7
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	102	103	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	86	83	88	86	83	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	75	71	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	63	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	79481	79481	79481	79481	79481
5°	122572	111577	76776	39434	25897
10°	147266	130425	66087	9951	3970
15°	182345	148950	47231	2746	2140
20°	187802	170391	24394	1833	1833
25°	190521	181494	9786	1653	1900
30°	219607	182360	4256	1730	1989
35°	241740	170004	1829	1829	2250
40°	255329	127968	1057	2113	2406
45°	249746	78207	974	2289	2923
50°	191035	16665	1072	2679	3403
55°	70081	601	1201	3003	3813
60°	689	689	1378	3444	4374
65°	815	815	1630	3545	4646
70°	655	1007	1662	4028	5388
75°	466	865	1797	4458	6255
80°	694	1289	1984	4661	6645
85°	0	1383	2569	5335	6521

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 249746 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.6	5.3
10°-20°	116.4	15.1
20°-30°	178.5	23.2
30°-40°	208.0	27.0
40°-50°	166.2	21.6
50°-60°	49.2	6.4
60°-70°	5.3	0.7
70°-80°	4.1	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°	335.5	43.6
0°-40°	543.5	70.6
0°-60°	758.8	98.6
0°-90°	770.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	770.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	462	462	462	462	462	
5°	709	645	444	228	150	71
15°	1023	835	265	15	12	282
25°	1003	955	52	9	10	476
35°	1150	809	9	9	11	716
45°	1025	321	4	9	12	739
55°	233	2	4	10	13	247
65°	2	2	4	9	11	2
75°	1	1	3	7	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°	461.5	461.5	461.5	461.5	461.5	461.5	461.5	461.5	461.5	461.5	461.5
2.5°	602.0	602.0	600.0	600.6	599.3	591.9	590.6	581.2	573.2	564.5	557.2
5°	709.0	710.3	708.3	704.3	699.0	693.6	682.2	673.5	662.2	645.4	630.1
7.5°	769.9	768.5	765.2	763.8	760.5	754.5	746.4	737.1	723.7	707.0	688.9
10°	842.1	830.7	827.4	822.0	811.3	799.3	785.2	772.5	761.2	745.8	726.4
12.5°	958.5	956.5	943.1	933.1	918.3	891.6	867.5	839.4	806.0	779.2	753.8
15°	1022.7	1024.0	1018.0	1010.0	1000.6	978.5	954.5	921.7	882.2	835.4	793.9
17.5°	1034.1	1036.1	1032.7	1029.4	1026.7	1014.0	999.3	975.9	939.7	896.3	834.7
20°	1024.7	1028.7	1029.4	1033.4	1038.7	1033.4	1021.3	1005.3	975.2	929.7	870.9
22.5°	1004.0	1011.3	1016.7	1030.7	1044.8	1044.8	1037.4	1024.7	995.3	950.4	890.2
25°	1002.6	1004.0	1006.0	1028.7	1050.8	1055.5	1048.8	1035.4	1003.3	955.1	889.6
27.5°	1036.1	1027.4	1014.0	1036.7	1062.8	1066.8	1057.5	1039.4	1001.3	944.4	866.8
30°	1104.3	1084.9	1056.8	1073.5	1091.6	1086.9	1068.2	1039.4	987.9	917.0	824.0
32.5°	1130.4	1119.7	1109.6	1127.7	1131.0	1111.6	1078.2	1035.4	966.5	878.2	753.8
35°	1149.8	1150.4	1146.4	1149.8	1133.7	1106.3	1069.5	1013.3	926.4	808.6	660.8
37.5°	1156.5	1157.8	1149.1	1137.1	1113.0	1081.5	1037.4	973.2	859.5	713.0	520.4
40°	1135.7	1131.7	1117.7	1100.9	1074.9	1042.7	994.6	898.9	759.8	569.2	406.0
42.5°	1098.9	1092.2	1075.5	1055.5	1028.0	987.2	910.3	794.6	617.4	444.1	284.3
45°	1025.4	1020.7	999.9	985.2	952.5	899.6	800.6	654.8	477.6	321.1	164.5
47.5°	796.6	797.3	813.3	820.7	809.3	767.2	650.8	497.6	348.5	191.3	55.5
50°	713.0	709.7	693.6	671.5	634.7	571.9	477.6	351.8	206.0	62.2	8.0
52.5°	541.1	541.1	533.1	521.7	482.9	422.0	323.1	194.6	72.2	10.7	2.0
55°	233.4	221.4	228.1	240.8	230.8	200.7	151.2	58.2	12.7	2.0	2.0
57.5°	3.3	8.0	12.0	19.4	26.1	31.4	16.7	6.0	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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
67.5°	1.3	1.3	1.3	2.0	1.3	2.0	2.0	2.0	2.0	2.0	2.0
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.0	2.0
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°	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.3
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
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°	461.5	461.5	461.5	461.5	461.5	461.5	461.5	461.5
2.5°	546.5	535.1	516.4	459.5	400.6	346.5	307.7	293.0
5°	612.7	591.9	560.5	444.1	327.1	228.1	171.9	149.8
7.5°	664.8	638.1	592.6	417.4	240.1	121.7	72.9	57.5
10°	699.6	670.2	610.7	377.9	159.2	56.9	27.4	22.7
12.5°	725.0	688.3	617.4	327.1	93.6	26.1	14.7	13.4
15°	743.8	696.3	609.3	264.9	51.5	15.4	12.0	12.0
17.5°	769.9	700.3	589.9	195.3	29.4	11.4	11.4	11.4
20°	789.9	700.3	553.1	133.1	18.1	10.0	10.0	10.0
22.5°	800.0	689.6	508.3	84.3	12.7	9.4	10.0	10.0
25°	789.9	663.5	450.8	51.5	10.0	8.7	9.4	10.0
27.5°	753.1	611.3	373.9	32.8	8.0	8.7	9.4	10.0
30°	691.6	535.8	286.9	21.4	7.4	8.7	9.4	10.0
32.5°	604.6	423.4	185.9	14.0	6.7	8.7	9.4	10.0
35°	472.2	299.6	112.4	8.7	6.7	8.7	10.0	10.7
37.5°	353.8	200.0	60.9	5.4	6.7	8.7	10.0	10.7
40°	245.5	116.4	26.1	4.7	6.7	9.4	10.7	10.7
42.5°	142.5	46.2	6.7	4.0	6.7	9.4	10.7	11.4
45°	52.2	9.4	2.0	4.0	7.4	9.4	10.7	12.0
47.5°	7.4	2.0	2.0	4.0	7.4	9.4	11.4	12.0
50°	2.0	2.0	2.0	4.0	7.4	10.0	12.0	12.7
52.5°	2.0	2.0	2.0	4.0	7.4	10.0	12.0	12.7
55°	2.0	2.0	2.0	4.0	7.4	10.0	12.0	12.7
57.5°	2.0	2.0	2.0	4.0	7.4	10.0	12.0	12.7
60°	2.0	2.0	2.0	4.0	6.7	10.0	12.0	12.7
62.5°	2.0	2.0	2.0	4.0	6.7	9.4	11.4	12.0
65°	2.0	2.0	2.0	4.0	6.0	8.7	11.4	11.4
67.5°	2.0	2.0	2.0	3.3	6.0	8.7	10.7	11.4
70°	2.0	2.0	2.0	3.3	5.4	8.0	10.0	10.7
72.5°	2.0	2.0	2.0	2.7	4.7	7.4	9.4	10.0
75°	1.3	2.0	2.0	2.7	4.7	6.7	8.7	9.4
77.5°	1.3	2.0	2.0	2.0	4.0	5.4	7.4	8.0
80°	1.3	1.3	2.0	2.0	3.3	4.7	6.0	6.7
82.5°	1.3	1.3	1.3	2.0	2.7	3.3	4.7	4.7
85°	1.3	1.3	1.3	1.3	2.0	2.7	3.3	3.3
87.5°	0.7	0.7	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)