

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: P1323812

Luminaire Tested: LDSQA3D09R559030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323812
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R559030D2WDE010 3LSQCA30R 1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

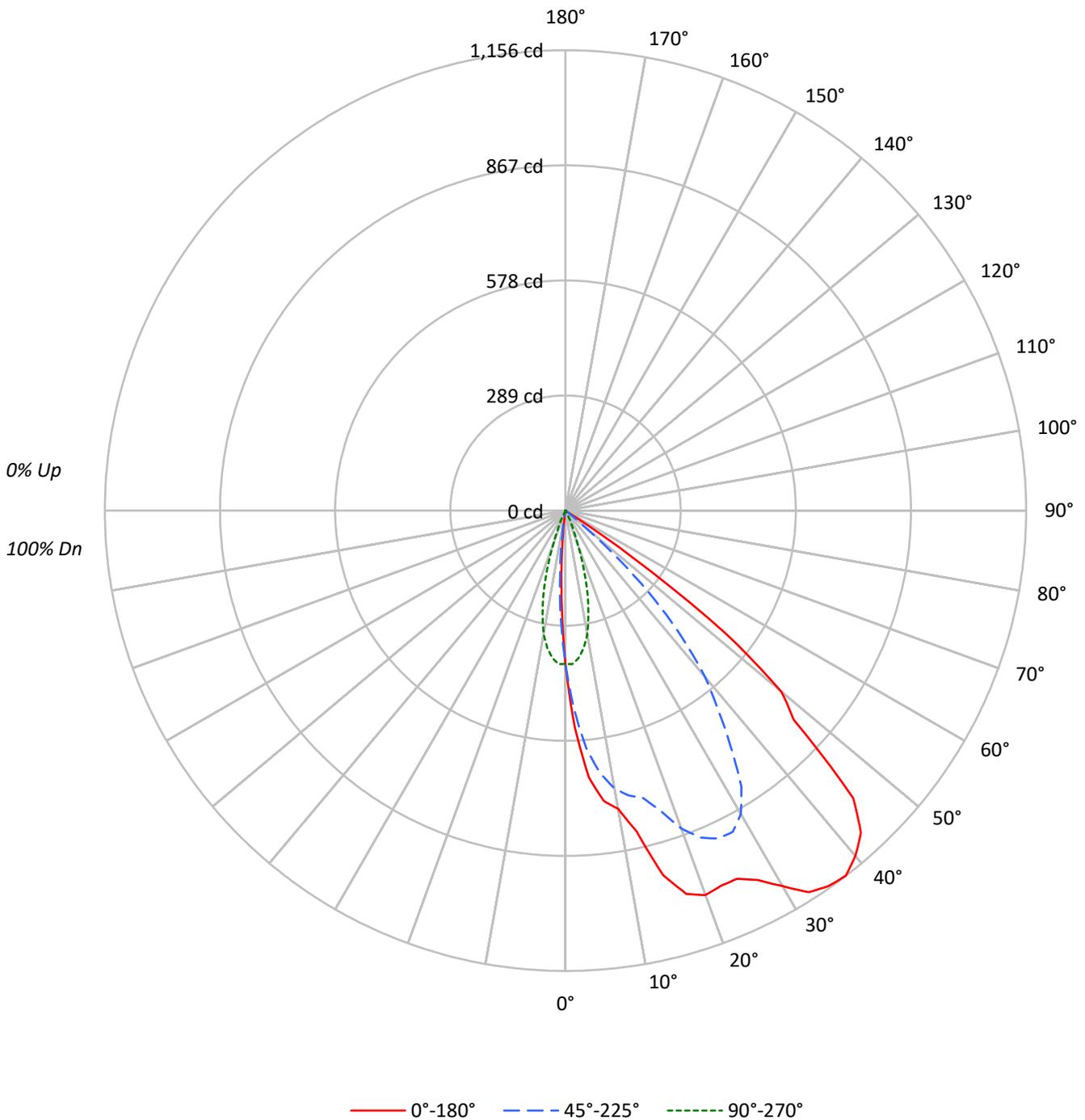
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 712.0 lumens
Efficiency: N/A
Efficacy: 48.4 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
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	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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	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	56	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	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	66254	66254	66254	66254	66254
5°	116141	103521	64312	26727	15386
10°	132926	123920	55000	2920	1049
15°	168920	133010	37692	588	357
20°	188242	155619	16550	0	0
25°	193770	172658	4713	0	0
30°	216485	174982	656	0	0
35°	241971	151923	0	0	0
40°	254520	122302	0	0	0
45°	248845	77257	0	0	0
50°	189481	15781	0	0	0
55°	62094	0	0	0	0
60°	0	0	0	0	0
65°	0	285	285	0	0
70°	0	352	352	0	0
75°	0	466	466	0	0
80°	0	694	1289	694	0
85°	0	1383	1383	1383	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 248845 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.1	4.9
10°-20°	103.0	14.5
20°-30°	167.5	23.5
30°-40°	199.1	28.0
40°-50°	162.8	22.9
50°-60°	43.2	6.1
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.5	0.1
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°	305.7	42.9
0°-40°	504.8	70.9
0°-60°	710.8	99.8
0°-90°	712.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	712.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	385	385	385	385	385	
5°	672	599	372	155	89	66
15°	947	746	211	3	2	265
25°	1020	909	25	0	0	480
35°	1151	723	0	0	0	716
45°	1022	317	0	0	0	733
55°	207	0	0	0	0	232
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7	384.7
2.5°	546.0	542.0	542.6	540.6	542.6	533.9	524.6	515.9	509.2	499.8	442.9
5°	671.8	665.1	663.1	660.4	657.7	647.0	638.3	627.6	614.9	598.8	494.5
7.5°	735.3	730.0	727.3	728.7	722.6	718.6	707.2	695.2	681.8	664.4	533.3
10°	760.1	754.7	754.1	753.4	752.7	750.1	744.7	734.0	722.0	708.6	555.4
12.5°	825.0	813.0	804.9	795.6	784.2	769.5	757.4	748.1	743.4	732.7	565.4
15°	947.4	936.1	927.4	915.3	893.9	862.5	833.7	796.9	764.8	746.0	561.4
17.5°	1009.0	1003.7	996.3	988.3	973.5	950.8	921.4	882.5	841.7	788.9	542.0
20°	1027.1	1024.4	1019.0	1015.7	1005.7	989.6	969.5	939.4	901.3	849.1	511.9
22.5°	1019.7	1021.7	1024.4	1033.1	1034.4	1023.1	1004.3	975.6	936.7	888.6	465.7
25°	1019.7	1018.4	1018.4	1036.4	1047.8	1042.5	1029.1	1003.0	963.5	908.6	408.8
27.5°	1045.8	1037.8	1021.1	1039.8	1058.5	1056.5	1044.5	1013.7	969.5	909.3	339.2
30°	1088.6	1071.2	1043.8	1061.2	1078.6	1071.2	1051.8	1012.4	956.1	879.9	254.3
32.5°	1136.1	1128.1	1114.1	1125.4	1122.8	1093.3	1058.5	1003.7	928.7	821.0	171.3
35°	1150.9	1152.2	1142.8	1140.8	1125.4	1095.3	1058.5	978.9	871.2	722.6	101.7
37.5°	1155.5	1156.2	1141.5	1122.8	1100.0	1064.5	1020.4	928.0	764.8	627.6	54.2
40°	1132.1	1131.5	1107.4	1084.6	1059.2	1024.4	960.2	821.0	663.7	544.0	19.4
42.5°	1097.3	1088.6	1065.9	1037.8	1007.0	963.5	863.1	693.2	576.8	435.6	1.3
45°	1021.7	1013.7	995.6	965.5	931.4	869.8	711.3	595.5	469.0	317.2	0.0
47.5°	776.8	772.8	791.5	795.6	794.9	724.6	593.5	485.8	344.6	184.7	0.0
50°	707.2	701.9	683.2	659.1	616.2	557.4	475.7	360.0	202.1	58.9	0.0
52.5°	507.8	525.2	529.3	511.2	471.0	412.8	327.9	207.4	70.3	0.0	0.0
55°	206.8	196.0	204.1	214.1	222.1	204.1	151.2	73.6	0.7	0.0	0.0
57.5°	0.0	0.7	4.0	9.4	15.4	19.4	20.7	1.3	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.7	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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):

	90°	112.5°	135°	157.5°	180°
0°	384.7	384.7	384.7	384.7	384.7
2.5°	386.1	326.5	269.0	237.5	222.1
5°	372.0	249.6	154.6	107.1	89.0
7.5°	348.6	171.3	61.6	25.4	18.1
10°	314.5	98.4	16.7	6.7	6.0
12.5°	265.6	44.8	6.0	4.7	4.7
15°	211.4	15.4	3.3	2.7	2.0
17.5°	148.5	4.0	1.3	0.0	0.0
20°	90.3	0.7	0.0	0.0	0.0
22.5°	50.2	0.0	0.0	0.0	0.0
25°	24.8	0.0	0.0	0.0	0.0
27.5°	10.7	0.0	0.0	0.0	0.0
30°	3.3	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.7	0.0	0.0	0.0	0.0
65°	0.7	0.7	0.0	0.0	0.0
67.5°	0.7	0.7	0.0	0.0	0.0
70°	0.7	0.7	0.0	0.0	0.0
72.5°	0.7	0.7	0.0	0.0	0.0
75°	0.7	0.7	0.0	0.0	0.0
77.5°	1.3	0.7	0.7	0.0	0.0
80°	1.3	0.7	0.7	0.0	0.0
82.5°	1.3	0.7	0.7	0.0	0.0
85°	0.7	0.7	0.7	0.0	0.0
87.5°	1.3	0.7	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)