

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: P1307390

Luminaire Tested: LDSQA3D17R709024DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307390
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709024DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

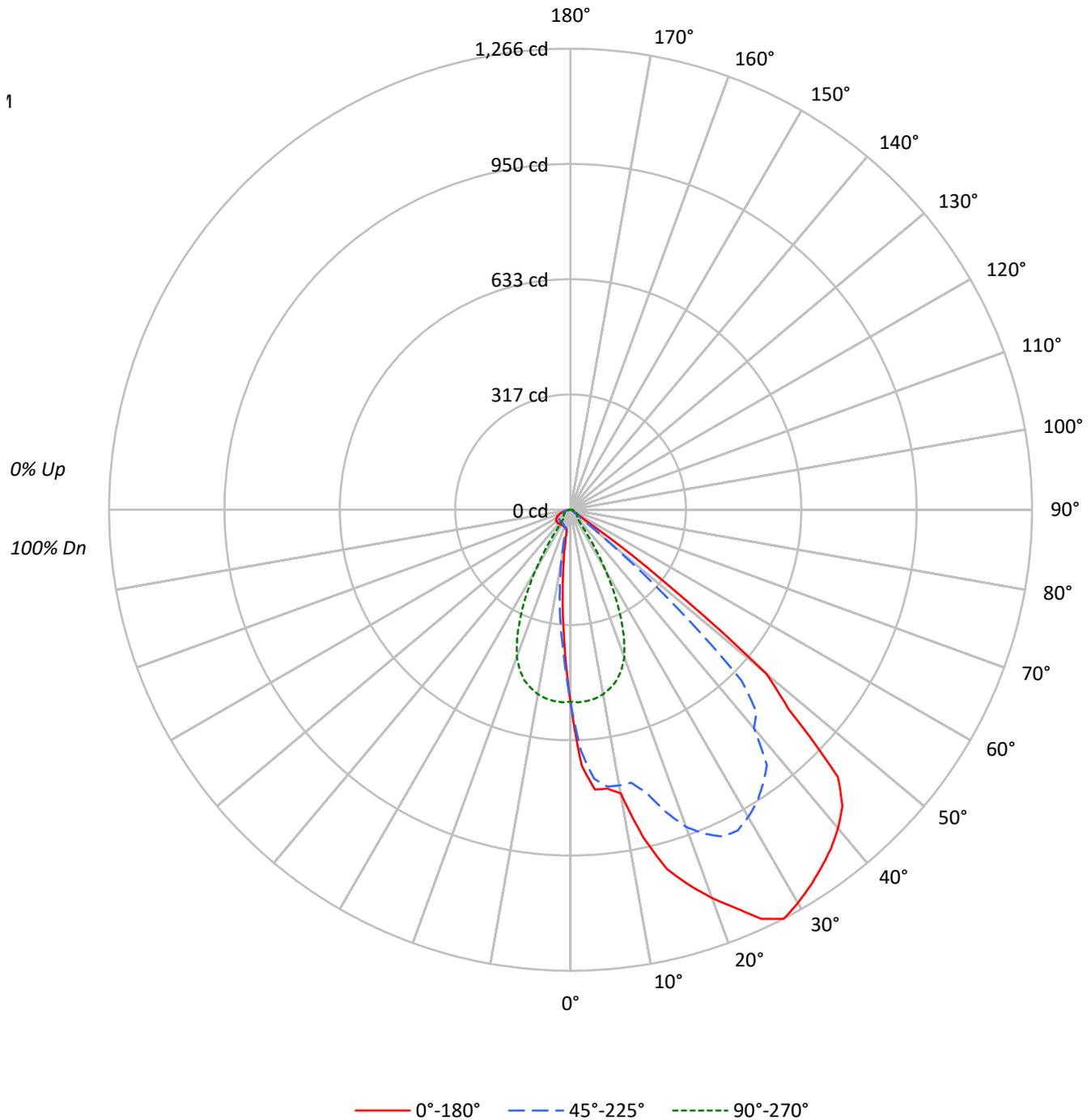
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1001.0 lumens
Efficiency: N/A
Efficacy: 47.2 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
Input Voltage (V): NR
Input Current (A_{in}): 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: P1307390
CATALOG NUMBER: LDSQA3D17R709024DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1307390

CATALOG NUMBER: LDSQA3D17R709024DE010 3LSQCA30R 1MW

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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	90761	90761	90761	90761	90761
5°	133325	128225	91108	54388	42615
10°	138242	134482	89975	26022	10528
15°	182060	143387	86671	9307	9111
20°	207963	169860	78900	8944	9164
25°	235481	188202	61949	8627	9064
30°	248005	193795	38401	8591	9705
35°	252168	193425	12657	8830	10260
40°	256633	175945	6138	9442	11241
45°	252571	161553	6357	9962	12178
50°	187766	29821	6404	10958	13397
55°	15013	4084	6816	11590	14322
60°	3134	4306	6648	11746	14880
65°	3260	4157	6479	11573	15282
70°	2870	4028	6294	10877	14855
75°	2262	3793	5323	10580	14373
80°	2281	3372	5653	10116	13488
85°	2174	4545	6719	8892	11263

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 255616 cd/sqm



TEST NUMBER: P1307390

CATALOG NUMBER: LDSQA3D17R709024DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.0	4.8
10°-20°	134.9	13.5
20°-30°	226.5	22.6
30°-40°	272.3	27.2
40°-50°	215.9	21.6
50°-60°	69.1	6.9
60°-70°	19.3	1.9
70°-80°	11.5	1.1
80°-90°	3.6	0.4
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°	409.3	40.9
0°-40°	681.6	68.1
0°-60°	966.6	96.6
0°-90°	1001.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1001.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	527	527	527	527	527	
5°	771	742	527	315	246	73
15°	1021	804	486	52	51	287
25°	1239	990	326	45	48	567
35°	1199	920	60	42	49	751
45°	1037	663	26	41	50	745
55°	50	14	23	39	48	156
65°	8	10	16	28	38	8
75°	3	6	8	16	22	4
85°	1	2	3	4	6	1
90°	0	0	0	0	0	



TEST NUMBER: P1307390

CATALOG NUMBER: LDSQA3D17R709024DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0
2.5°	703.1	707.6	707.6	701.9	704.2	695.1	688.3	678.1	675.8	663.3	647.4
5°	771.2	769.0	769.0	764.4	766.7	763.3	759.9	757.6	750.8	741.7	732.6
7.5°	772.4	774.6	775.8	774.6	779.2	775.8	775.8	775.8	771.2	766.7	757.6
10°	790.5	787.1	783.7	775.8	771.2	767.8	767.8	769.0	771.2	769.0	763.3
12.5°	921.2	908.7	903.0	883.7	868.9	843.9	815.5	793.9	774.6	767.8	763.3
15°	1021.1	1018.8	1007.5	989.3	971.1	941.6	908.7	875.7	840.5	804.2	778.0
17.5°	1080.2	1075.6	1064.3	1045.0	1023.4	996.1	970.0	945.0	910.9	870.0	828.0
20°	1134.7	1124.5	1109.7	1087.0	1065.4	1039.3	1010.9	987.0	958.6	926.8	878.0
22.5°	1183.5	1174.4	1150.6	1119.9	1098.3	1073.4	1048.4	1025.7	999.5	963.2	918.9
25°	1239.2	1218.7	1180.1	1140.4	1114.2	1093.8	1075.6	1057.5	1030.2	990.4	938.2
27.5°	1266.4	1238.0	1196.0	1156.3	1131.3	1109.7	1090.4	1072.2	1041.6	992.7	932.5
30°	1247.1	1231.2	1201.7	1171.0	1150.6	1130.1	1107.4	1080.2	1031.3	974.5	918.9
32.5°	1224.4	1216.5	1202.8	1184.7	1172.2	1151.7	1119.9	1075.6	1007.5	951.8	891.6
35°	1199.4	1196.0	1191.5	1183.5	1175.6	1156.3	1116.5	1051.8	983.6	920.0	862.1
37.5°	1173.3	1169.9	1173.3	1172.2	1165.4	1140.4	1080.2	1020.0	949.5	884.8	772.4
40°	1141.5	1139.2	1144.9	1150.6	1142.6	1109.7	1045.0	972.3	909.8	782.6	744.0
42.5°	1104.0	1102.9	1113.1	1117.7	1106.3	1057.5	981.4	928.0	796.2	755.3	664.5
45°	1037.0	1039.3	1043.8	1049.5	1042.7	989.3	920.0	822.3	764.4	663.3	378.2
47.5°	812.1	814.4	837.1	884.8	917.7	899.6	840.5	767.8	683.8	379.4	119.3
50°	700.8	698.5	699.7	711.0	737.2	762.1	744.0	704.2	407.8	111.3	14.8
52.5°	307.8	341.9	378.2	480.5	546.3	615.6	629.2	440.7	132.9	14.8	14.8
55°	50.0	52.2	65.9	96.5	173.8	262.4	318.0	147.7	13.6	13.6	13.6
57.5°	10.2	10.2	10.2	11.4	17.0	36.3	42.0	12.5	12.5	12.5	13.6
60°	9.1	9.1	9.1	9.1	10.2	10.2	10.2	11.4	11.4	12.5	12.5
62.5°	9.1	9.1	9.1	9.1	9.1	9.1	10.2	10.2	11.4	11.4	12.5
65°	8.0	8.0	8.0	8.0	9.1	9.1	9.1	9.1	10.2	10.2	11.4
67.5°	6.8	6.8	6.8	6.8	8.0	8.0	8.0	9.1	9.1	9.1	10.2
70°	5.7	5.7	5.7	5.7	6.8	6.8	6.8	6.8	8.0	8.0	8.0
72.5°	4.5	4.5	4.5	4.5	5.7	5.7	5.7	5.7	6.8	6.8	6.8
75°	3.4	3.4	4.5	4.5	4.5	4.5	4.5	4.5	5.7	5.7	5.7
77.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.5	4.5	4.5	4.5
80°	2.3	2.3	2.3	2.3	2.3	2.3	3.4	3.4	3.4	3.4	3.4
82.5°	1.1	1.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3	2.3	2.3	2.3
87.5°	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1307390

CATALOG NUMBER: LDSQA3D17R709024DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0
2.5°	637.2	621.3	599.7	529.3	464.6	405.5	376.0	372.6
5°	717.8	703.1	666.7	527.0	403.2	314.6	261.2	246.5
7.5°	748.5	736.0	704.2	522.5	345.3	226.0	165.8	143.1
10°	756.5	748.5	721.2	514.5	285.1	148.8	78.4	60.2
12.5°	759.9	754.2	728.1	502.0	224.9	77.2	53.4	53.4
15°	765.5	759.9	734.9	486.1	165.8	52.2	51.1	51.1
17.5°	790.5	772.4	744.0	462.3	109.0	50.0	50.0	50.0
20°	831.4	791.7	748.5	430.5	68.1	48.8	48.8	50.0
22.5°	865.5	812.1	747.4	382.8	50.0	46.6	47.7	48.8
25°	880.3	821.2	737.2	326.0	43.2	45.4	47.7	47.7
27.5°	878.0	824.6	728.1	261.2	40.9	44.3	46.6	48.8
30°	865.5	815.5	707.6	193.1	38.6	43.2	46.6	48.8
32.5°	843.9	780.3	666.7	124.9	37.5	43.2	46.6	48.8
35°	773.5	723.5	607.7	60.2	36.3	42.0	47.7	48.8
37.5°	732.6	663.3	463.4	29.5	35.2	42.0	47.7	48.8
40°	666.7	495.2	209.0	27.3	35.2	42.0	47.7	50.0
42.5°	419.1	203.3	34.1	26.1	34.1	42.0	47.7	50.0
45°	153.3	27.3	18.2	26.1	34.1	40.9	47.7	50.0
47.5°	15.9	15.9	17.0	25.0	32.9	40.9	47.7	50.0
50°	14.8	15.9	17.0	23.9	31.8	40.9	46.6	50.0
52.5°	14.8	15.9	17.0	23.9	30.7	39.8	46.6	50.0
55°	14.8	15.9	15.9	22.7	29.5	38.6	45.4	47.7
57.5°	13.6	14.8	15.9	21.6	28.4	36.3	44.3	46.6
60°	13.6	14.8	15.9	19.3	27.3	34.1	42.0	43.2
62.5°	12.5	13.6	14.8	18.2	25.0	31.8	38.6	40.9
65°	12.5	12.5	13.6	15.9	22.7	28.4	35.2	37.5
67.5°	10.2	11.4	11.4	13.6	19.3	25.0	31.8	34.1
70°	9.1	9.1	10.2	12.5	17.0	21.6	27.3	29.5
72.5°	8.0	8.0	8.0	10.2	14.8	19.3	23.9	26.1
75°	6.8	6.8	6.8	8.0	12.5	15.9	20.4	21.6
77.5°	5.7	5.7	5.7	6.8	10.2	13.6	15.9	18.2
80°	4.5	4.5	4.5	5.7	8.0	10.2	12.5	13.6
82.5°	3.4	3.4	3.4	4.5	5.7	6.8	9.1	9.1
85°	2.3	2.3	2.3	3.4	3.4	4.5	5.7	5.7
87.5°	1.1	1.1	1.1	2.3	2.3	2.3	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)