

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: P1323475

Luminaire Tested: LDSQA3D02R359030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323475
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R359030D2WDE010 3LSQCA30R 1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R35 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

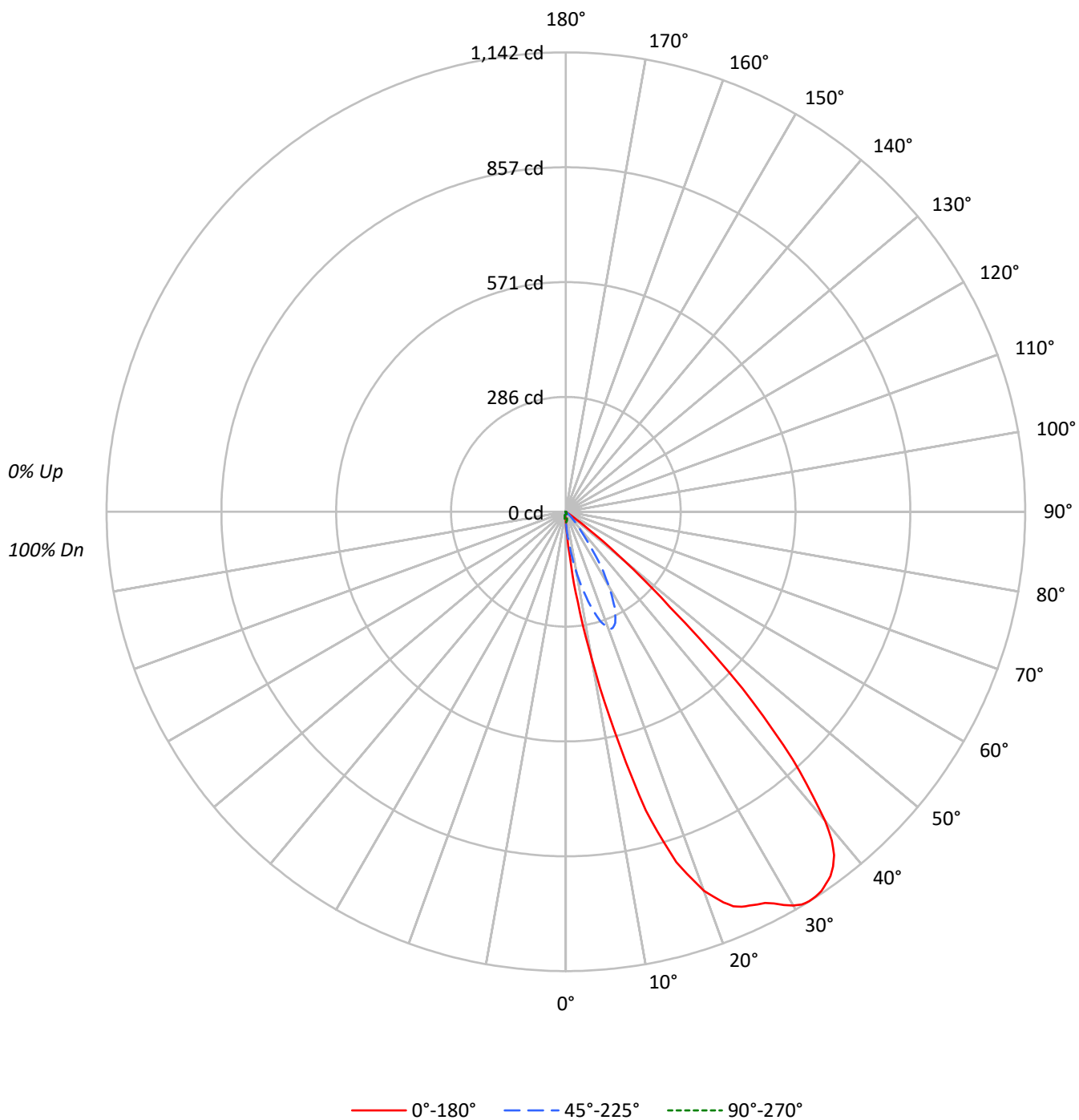
Lumens per Lamp: N/A
Luminaire Lumens: 341.0 lumens
Efficiency: N/A
Efficacy: 47.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.45 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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

TEST NUMBER: P1323475

CATALOG NUMBER: LDSQA3D02R359030D2WDE010 3LSQCA30R 1MB

Luminous Intensity Polar Plot





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CATALOG NUMBER: LDSQA3D02R359030D2WDE010 3LSQCA30R 1MB

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67		
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	4426	4426	4426	4426	4426
5°	19242	11929	4097	1469	1020
10°	64740	26914	3078	350	122
15°	137004	44147	1908	0	0
20°	183697	56394	898	0	0
25°	205305	55393	190	0	0
30°	224738	42438	0	0	0
35°	237198	23127	0	0	0
40°	225473	10387	0	0	0
45°	151324	4603	0	0	0
50°	50559	429	0	0	0
55°	2732	0	0	0	0
60°	0	0	103	0	0
65°	0	0	285	0	0
70°	0	151	352	0	0
75°	0	200	466	0	0
80°	0	298	694	0	0
85°	0	593	1383	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 151324 cd/sqm

TEST NUMBER: P1323475

CATALOG NUMBER: LDSQA3D02R359030D2WDE010 3LSQCA30R 1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.5	1.6
10°-20°	47.3	13.9
20°-30°	103.8	30.4
30°-40°	120.1	35.2
40°-50°	59.3	17.4
50°-60°	4.4	1.3
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.2	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°	156.6	45.9
0°-40°	276.7	81.1
0°-60°	340.4	99.8
0°-90°	341.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	341.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	26	26	26	26	26	
5°	111	69	24	8	6	19
15°	768	248	11	0	0	217
25°	1080	292	1	0	0	499
35°	1128	110	0	0	0	697
45°	621	19	0	0	0	456
55°	9	0	0	0	0	37
65°	0	0	1	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1323475

CATALOG NUMBER: LDSQA3D02R359030D2WDE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
2.5°	51.1	52.4	51.7	51.7	51.4	49.8	46.8	45.9	42.3	33.5	26.0
5°	111.3	111.6	110.6	105.7	101.5	97.6	89.1	85.2	69.0	41.0	23.7
7.5°	225.8	220.9	214.7	207.9	192.9	179.2	161.4	142.5	106.7	47.5	21.1
10°	370.2	363.4	358.2	341.9	314.9	286.9	252.8	221.9	153.9	52.1	17.6
12.5°	556.6	552.7	534.2	501.6	461.6	421.3	361.7	312.6	201.4	53.0	14.3
15°	768.4	761.9	733.6	687.4	633.1	569.6	489.9	407.3	247.6	50.1	10.7
17.5°	913.2	909.6	885.2	836.7	774.2	693.6	599.2	496.1	285.6	43.9	7.5
20°	1002.3	997.1	974.3	933.3	867.9	783.7	671.8	552.7	307.7	36.1	4.9
21°	1025.4	1020.2	1002.0	959.4	896.9	806.5	691.6	566.4	312.0	32.5	3.9
22°	1047.2	1042.0	1022.8	985.1	923.2	828.9	707.2	576.8	311.3	29.6	2.9
23°	1065.4	1059.9	1041.0	1006.2	944.1	848.7	718.9	582.0	307.1	26.7	2.3
24°	1074.8	1071.6	1054.7	1021.8	961.0	862.7	727.1	583.9	301.9	23.7	1.6
25°	1080.4	1076.5	1059.9	1029.6	972.0	873.8	732.3	582.3	291.5	21.1	1.0
26°	1086.2	1080.4	1061.5	1032.2	977.9	879.0	732.6	578.1	280.4	18.9	0.3
27°	1091.4	1085.9	1066.4	1034.2	978.9	877.4	730.0	569.9	267.1	16.6	0.3
28°	1102.8	1096.6	1074.2	1038.4	979.8	873.1	721.9	558.9	249.5	14.6	0.0
29°	1117.8	1111.3	1085.6	1048.5	982.1	868.6	710.8	544.2	234.2	13.0	0.0
30°	1130.1	1124.3	1100.5	1061.2	988.0	864.4	697.8	524.4	213.4	11.1	0.0
31°	1139.2	1133.4	1111.6	1071.9	993.2	860.5	681.5	503.9	194.5	9.8	0.0
32°	1141.5	1136.6	1116.2	1076.5	993.2	854.6	666.6	480.8	176.0	8.1	0.0
33°	1140.5	1135.7	1114.9	1073.2	984.4	840.6	648.4	453.2	154.8	7.2	0.0
34°	1137.0	1131.1	1109.0	1062.8	967.2	816.9	622.0	425.5	132.7	5.9	0.0
35°	1128.2	1123.0	1098.9	1043.3	940.5	780.8	586.9	393.6	110.0	4.9	0.0
36°	1119.7	1111.9	1082.3	1019.2	905.3	743.7	544.9	356.9	90.4	3.9	0.0
37°	1104.1	1093.1	1063.1	984.4	855.6	691.3	497.1	316.5	75.8	2.9	0.0
38°	1083.3	1068.3	1030.3	944.1	805.5	642.2	452.2	280.1	63.8	2.0	0.0
39°	1051.1	1033.5	981.8	888.8	747.6	585.2	400.8	241.4	54.3	1.3	0.0
40°	1002.9	986.4	929.1	823.0	690.0	522.5	348.1	197.8	46.2	0.7	0.0
42.5°	835.1	812.3	745.9	640.5	510.1	375.7	230.3	110.0	30.6	0.0	0.0
45°	621.3	601.2	536.1	440.1	340.0	230.0	123.3	64.7	18.9	0.0	0.0
47.5°	351.0	348.7	306.4	252.8	189.7	122.3	62.5	39.0	8.1	0.0	0.0
50°	188.7	177.0	152.6	115.8	79.1	53.4	33.8	21.5	1.6	0.0	0.0
52.5°	69.0	66.7	56.0	46.5	35.8	24.4	17.2	9.4	0.0	0.0	0.0
55°	9.1	8.5	8.8	9.4	9.8	8.5	5.5	2.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.3	0.7	0.7	0.7	0.0	0.0	0.0	0.3
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	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):

	112.5°	135°	157.5°	180°
0°	25.7	25.7	25.7	25.7
2.5°	19.8	15.3	13.0	12.7
5°	13.7	8.5	6.2	5.9
7.5°	9.4	4.2	2.9	2.6
10°	5.5	2.0	1.0	0.7
12.5°	3.3	0.3	0.0	0.0
15°	1.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.3	0.0	0.0	0.0
67.5°	0.3	0.0	0.0	0.0
70°	0.3	0.0	0.0	0.0
72.5°	0.3	0.0	0.0	0.0
75°	0.3	0.0	0.0	0.0
77.5°	0.3	0.0	0.0	0.0
80°	0.3	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.3	0.0	0.0	0.0
85°	0.3	0.0	0.0	0.0
87.5°	0.3	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)