

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: P1320006

Luminaire Tested: LDSQA3D09R509840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320006
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R509840DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

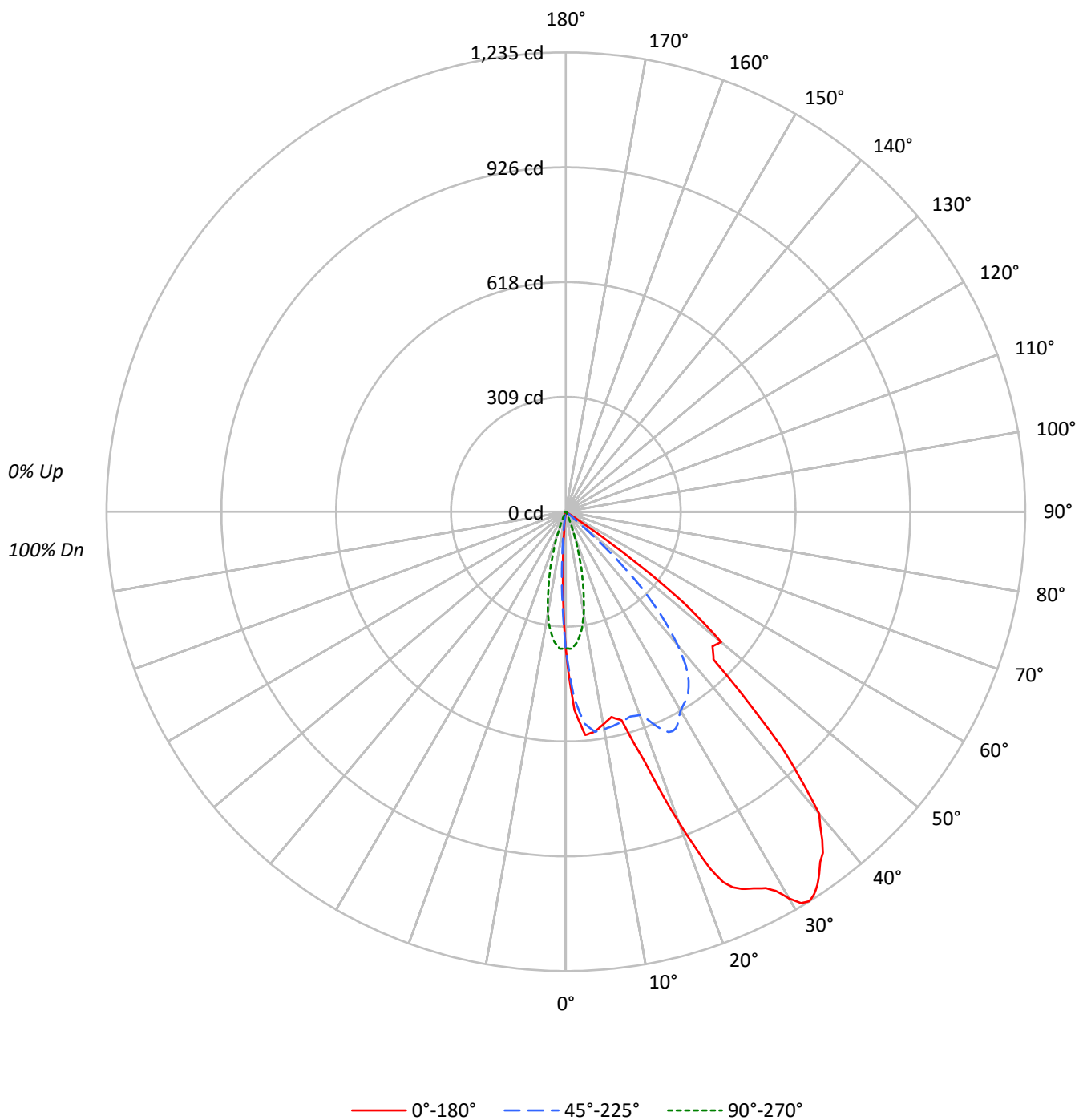
Lumens per Lamp: N/A
Luminaire Lumens: 591.0 lumens
Efficiency: N/A
Efficacy: 53.7 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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: P1320006

CATALOG NUMBER: LDSQA3D09R509840DE010 3LSQCA30R 1MB

Luminous Intensity Polar Plot





TEST NUMBER: P1320006

CATALOG NUMBER: LDSQA3D09R509840DE010 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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82		
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74		
4	92	83	76	71	90	81	75	70	79	74	70	77	72	69	75	71	68	66		
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59		
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54		
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48		
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44		
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	63188	63188	63188	63188	63188
5°	104126	98818	60733	18031	9024
10°	101483	103704	48651	909	1224
15°	103466	104073	29152	927	303
20°	163079	106556	12005	0	0
25°	212602	124144	2869	0	0
30°	238639	122780	119	0	0
35°	249729	120891	0	0	0
40°	238242	105036	0	0	0
45°	136807	69317	0	0	0
50°	145996	7931	0	0	0
55°	41586	0	0	0	0
60°	0	0	207	0	0
65°	0	245	245	0	0
70°	0	302	302	0	0
75°	0	399	399	0	0
80°	0	595	1190	595	0
85°	0	1186	2371	1186	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 151080 cd/sqm

TEST NUMBER: P1320006

CATALOG NUMBER: LDSQA3D09R509840DE010 3LSQCA30R 1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.8	5.2
10°-20°	77.6	13.1
20°-30°	149.1	25.2
30°-40°	173.6	29.4
40°-50°	124.2	21.0
50°-60°	34.6	5.9
60°-70°	0.2	0.0
70°-80°	0.4	0.1
80°-90°	0.4	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°	257.6	43.6
0°-40°	431.2	73.0
0°-60°	590.0	99.8
0°-90°	591.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	591.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	367	367	367	367	367	
5°	602	572	351	104	52	55
15°	580	584	164	5	2	187
25°	1119	653	15	0	0	509
35°	1188	575	0	0	0	735
45°	562	285	0	0	0	528
55°	138	0	0	0	0	174
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	

TEST NUMBER: P1320006

CATALOG NUMBER: LDSQA3D09R509840DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	366.9	366.9	366.9	366.9	366.9	366.9	366.9	366.9	366.9	366.9	366.9
2.5°	533.3	536.2	536.8	529.8	531.0	521.1	521.7	514.8	498.0	439.4	368.7
5°	602.3	600.6	602.3	600.0	602.3	596.5	593.0	590.1	571.6	488.7	351.3
7.5°	595.9	593.6	597.1	598.2	602.3	600.6	601.1	602.9	596.5	515.3	321.7
10°	580.3	579.7	581.4	581.4	586.1	586.6	589.0	592.4	593.0	524.6	278.2
12.5°	565.2	563.5	563.5	562.9	565.2	564.6	570.4	578.5	589.5	518.8	218.5
15°	580.3	578.5	576.2	569.8	565.2	560.0	560.6	565.8	583.7	503.7	163.5
17.5°	702.0	692.7	681.1	660.8	639.4	602.3	580.3	566.4	576.8	480.6	109.0
20°	889.8	885.8	867.2	834.2	799.4	744.9	677.1	622.6	581.4	451.6	65.5
21°	961.1	958.8	939.1	908.4	868.9	802.9	733.3	667.8	590.7	439.4	51.6
22°	1034.2	1025.5	1009.8	975.6	934.5	868.4	790.7	718.2	609.3	423.8	39.4
23°	1081.1	1075.9	1059.1	1031.8	992.4	928.1	848.7	769.8	627.2	406.4	29.6
24°	1105.5	1103.7	1090.4	1071.3	1037.6	972.1	896.8	815.6	642.3	386.1	21.4
25°	1118.8	1113.0	1104.9	1091.0	1065.5	1008.7	941.4	855.6	653.3	365.8	15.1
26°	1126.9	1123.4	1110.7	1098.5	1074.2	1027.8	970.4	880.0	656.2	340.9	10.4
27°	1136.2	1128.1	1115.9	1101.4	1074.2	1033.6	981.4	890.4	652.7	315.3	7.0
28°	1146.0	1140.2	1123.4	1104.9	1072.4	1033.6	977.4	876.5	642.3	291.0	4.1
29°	1165.2	1157.6	1136.8	1109.5	1073.0	1032.4	961.7	847.5	628.4	263.8	2.3
30°	1200.0	1184.3	1158.8	1120.5	1077.1	1030.1	935.6	804.0	617.4	233.0	0.6
31°	1227.2	1218.5	1188.9	1140.8	1088.7	1023.7	904.9	761.1	609.8	206.4	0.0
32°	1234.7	1228.4	1206.9	1161.7	1108.4	1018.5	870.1	719.4	604.0	176.8	0.0
33°	1226.0	1222.0	1199.4	1158.2	1113.6	1011.6	830.1	678.2	597.7	150.1	0.0
34°	1209.8	1204.6	1184.9	1143.1	1100.2	981.4	791.9	646.9	588.4	125.2	0.0
35°	1187.8	1183.7	1163.4	1122.3	1075.9	934.5	753.6	626.1	575.0	100.3	0.0
36°	1164.0	1162.9	1136.8	1096.2	1044.6	889.2	707.2	610.4	561.7	79.4	0.0
37°	1148.4	1142.6	1114.2	1074.2	1007.5	836.5	670.1	605.2	543.2	61.4	0.0
38°	1120.0	1121.1	1088.7	1052.1	969.8	790.7	640.0	601.1	522.3	44.6	0.0
39°	1086.3	1086.9	1053.3	1022.0	925.2	742.6	615.0	597.1	496.2	28.4	0.0
40°	1059.7	1059.1	1020.8	987.2	877.1	697.4	601.7	591.3	467.2	16.2	0.0
42.5°	861.4	864.9	869.5	883.4	764.0	617.9	589.0	558.8	384.9	0.0	0.0
45°	561.7	575.0	578.5	620.3	619.7	585.5	558.8	500.8	284.6	0.0	0.0
47.5°	534.5	538.5	546.1	562.3	571.0	554.2	499.7	418.5	155.4	0.0	0.0
50°	544.9	544.3	546.1	546.1	530.4	486.9	409.8	309.0	29.6	0.0	0.0
52.5°	391.3	405.8	421.4	428.4	408.1	362.3	299.1	181.4	0.0	0.0	0.0
55°	138.5	133.9	130.4	142.6	139.7	157.1	129.8	42.3	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.6	2.3	5.2	7.0	0.0	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	0.6	0.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.2



TEST NUMBER: P1320006

CATALOG NUMBER: LDSQA3D09R509840DE010 3LSQCA30R 1MB

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	0.6	0.6	0.6	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	1.2
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: P1320006

CATALOG NUMBER: LDSQA3D09R509840DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	366.9	366.9	366.9	366.9
2.5°	293.9	225.5	182.6	185.5
5°	206.4	104.3	64.3	52.2
7.5°	123.5	31.9	6.4	5.2
10°	58.0	5.2	5.8	7.0
12.5°	17.4	4.6	6.4	5.8
15°	4.6	5.2	2.9	1.7
17.5°	1.7	2.3	0.0	0.0
20°	1.2	0.0	0.0	0.0
21°	1.2	0.0	0.0	0.0
22°	0.6	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°	0.6	0.0	0.0	0.0
67.5°	0.6	0.0	0.0	0.0
70°	0.6	0.0	0.0	0.0
72.5°	0.6	0.0	0.0	0.0
75°	0.6	0.0	0.0	0.0
77.5°	0.6	0.0	0.0	0.0
80°	0.6	0.6	0.0	0.0



TEST NUMBER: P1320006

CATALOG NUMBER: LDSQA3D09R509840DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.6	0.6	0.0	0.0
85°	0.6	0.6	0.0	0.0
87.5°	0.6	0.6	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)