

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: P1316657

Luminaire Tested: LDSQA3D13R609740DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316657
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R609740DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

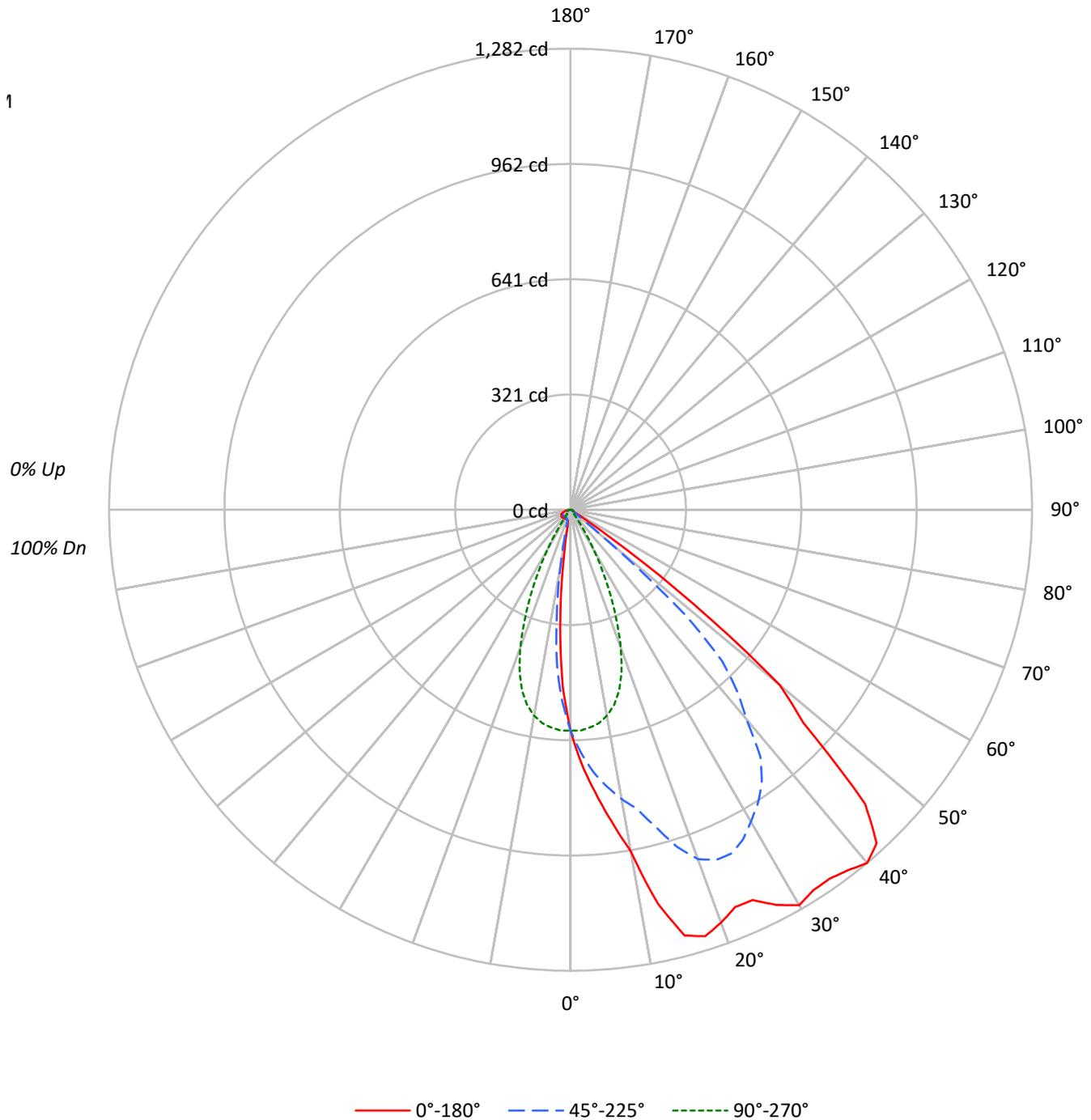
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 997.0 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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: P1316657
CATALOG NUMBER: LDSQA3D13R609740DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1316657

CATALOG NUMBER: LDSQA3D13R609740DE010 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	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	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	105693	105693	105693	105693	105693
5°	136524	126773	105129	74857	57120
10°	168724	142877	101727	28313	8394
15°	218522	162626	92804	6205	5545
20°	223926	189415	74703	5168	5352
25°	227519	200516	50091	5017	5359
30°	252520	199164	25833	5051	5608
35°	263416	194729	7127	5340	6139
40°	288220	170774	3395	5710	6767
45°	281993	145113	3434	6186	7575
50°	203279	35822	3778	6805	8333
55°	39004	2252	3963	7356	9338
60°	1929	2273	3892	7784	10058
65°	1915	2282	3831	8069	10758
70°	1913	2367	3777	8057	10877
75°	1863	2529	3726	8118	11246
80°	893	2777	3769	8430	11207
85°	1778	1778	3754	7509	11066

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 281993 cd/sqm



TEST NUMBER: P1316657

CATALOG NUMBER: LDSQA3D13R609740DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.4	5.4
10°-20°	147.3	14.8
20°-30°	226.8	22.7
30°-40°	266.1	26.7
40°-50°	213.4	21.4
50°-60°	66.3	6.6
60°-70°	12.5	1.3
70°-80°	8.3	0.8
80°-90°	2.9	0.3
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°	427.5	42.9
0°-40°	693.6	69.6
0°-60°	973.3	97.6
0°-90°	997.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	997.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	614	614	614	614	614	
5°	790	733	608	433	330	81
15°	1226	912	520	35	31	336
25°	1197	1055	264	26	28	565
35°	1253	926	34	25	29	793
45°	1158	596	14	25	31	829
55°	130	8	13	24	31	206
65°	5	6	9	20	26	4
75°	3	4	6	12	17	3
85°	1	1	2	4	6	1
90°	0	0	0	0	0	



TEST NUMBER: P1316657

CATALOG NUMBER: LDSQA3D13R609740DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	613.7	613.7	613.7	613.7	613.7	613.7	613.7	613.7	613.7	613.7	613.7
2.5°	707.9	700.3	700.3	697.5	694.7	695.6	688.1	690.9	683.4	677.7	673.0
5°	789.7	780.3	779.4	774.7	770.0	766.2	756.8	751.2	739.9	733.3	719.1
7.5°	874.5	866.9	862.2	856.6	848.1	838.7	822.7	812.3	794.5	776.6	758.7
10°	964.8	958.2	947.9	941.3	917.8	902.7	881.0	866.9	840.6	817.0	789.7
12.5°	1123.0	1119.2	1099.4	1086.3	1052.4	1022.2	975.2	937.5	890.5	851.9	815.2
15°	1225.6	1220.9	1210.5	1198.3	1176.6	1142.7	1100.4	1047.7	981.8	912.1	850.0
17.5°	1243.4	1244.4	1237.8	1235.0	1220.9	1199.2	1165.3	1125.8	1059.9	982.7	898.0
20°	1221.8	1229.3	1227.4	1233.1	1235.9	1227.4	1204.9	1166.3	1108.8	1033.5	938.5
22.5°	1195.4	1202.0	1200.1	1210.5	1226.5	1235.0	1227.4	1196.4	1138.0	1054.2	961.1
25°	1197.3	1202.0	1187.9	1194.5	1215.2	1235.9	1236.9	1209.6	1146.5	1055.2	959.2
27.5°	1238.7	1224.6	1192.6	1189.8	1215.2	1241.6	1243.4	1209.6	1134.3	1035.4	940.4
30°	1269.8	1259.4	1223.7	1219.0	1243.4	1261.3	1251.9	1199.2	1105.1	1001.5	913.1
32.5°	1254.7	1256.6	1241.6	1256.6	1288.6	1296.2	1256.6	1174.7	1064.6	968.6	881.0
35°	1252.9	1260.4	1268.9	1292.4	1314.0	1296.2	1233.1	1128.6	1021.3	926.2	831.2
37.5°	1264.2	1276.4	1288.6	1309.3	1309.3	1263.2	1171.0	1070.2	969.5	866.0	727.6
40°	1282.0	1289.6	1293.3	1291.5	1266.0	1198.3	1100.4	999.7	903.6	759.6	658.9
42.5°	1258.5	1257.6	1253.8	1237.8	1190.7	1102.3	1010.9	929.1	777.5	685.3	570.4
45°	1157.8	1157.8	1147.4	1122.0	1078.7	1005.3	924.3	804.8	708.8	595.8	423.6
47.5°	876.3	869.8	881.0	896.1	896.1	889.5	816.1	712.6	614.7	430.2	135.5
50°	758.7	748.3	734.2	737.0	735.1	742.7	695.6	617.5	454.6	133.7	9.4
52.5°	429.2	448.1	494.2	559.1	588.3	598.7	569.5	469.7	153.4	8.5	7.5
55°	129.9	133.7	151.5	186.4	253.2	323.8	328.5	152.5	10.4	7.5	7.5
57.5°	5.6	5.6	7.5	11.3	26.4	39.5	42.4	9.4	6.6	7.5	7.5
60°	5.6	5.6	5.6	5.6	5.6	5.6	6.6	6.6	6.6	6.6	7.5
62.5°	4.7	4.7	5.6	5.6	5.6	5.6	5.6	5.6	6.6	6.6	6.6
65°	4.7	4.7	4.7	4.7	4.7	4.7	5.6	5.6	5.6	5.6	6.6
67.5°	3.8	3.8	3.8	4.7	4.7	4.7	4.7	4.7	5.6	5.6	5.6
70°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.7	4.7	4.7	4.7
72.5°	2.8	2.8	2.8	2.8	2.8	3.8	3.8	3.8	3.8	3.8	4.7
75°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.8	3.8	3.8	3.8
77.5°	1.9	1.9	1.9	1.9	1.9	2.8	2.8	2.8	2.8	2.8	2.8
80°	0.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.8	2.8
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.9	1.9	1.9	1.9	1.9
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9
87.5°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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: P1316657

CATALOG NUMBER: LDSQA3D13R609740DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	613.7	613.7	613.7	613.7	613.7	613.7	613.7	613.7
2.5°	666.4	658.9	650.4	614.7	579.8	532.8	500.8	491.4
5°	706.9	694.7	675.8	608.1	526.2	433.0	357.7	330.4
7.5°	740.8	722.0	695.6	598.7	462.2	293.7	189.2	160.0
10°	765.3	741.7	707.9	581.7	377.5	161.9	64.0	48.0
12.5°	786.0	754.9	714.4	556.3	274.9	65.9	32.9	32.9
15°	800.1	762.4	717.3	520.5	177.9	34.8	31.1	31.1
17.5°	819.9	770.9	717.3	470.6	97.0	30.1	30.1	30.1
20°	851.9	779.4	706.9	407.6	53.7	28.2	29.2	29.2
22.5°	868.8	791.6	693.7	334.2	33.9	27.3	28.2	28.2
25°	872.6	789.7	665.5	263.6	27.3	26.4	27.3	28.2
27.5°	859.4	776.6	627.8	192.0	24.5	25.4	27.3	28.2
30°	835.9	744.6	567.6	129.9	22.6	25.4	27.3	28.2
32.5°	791.6	667.4	497.0	78.1	21.6	25.4	27.3	29.2
35°	692.8	586.4	416.1	33.9	20.7	25.4	28.2	29.2
37.5°	621.3	505.5	321.9	16.9	20.7	25.4	28.2	30.1
40°	542.2	406.6	148.7	15.1	20.7	25.4	28.2	30.1
42.5°	413.2	188.3	17.9	15.1	19.8	25.4	29.2	30.1
45°	150.6	19.8	9.4	14.1	19.8	25.4	29.2	31.1
47.5°	11.3	7.5	8.5	14.1	19.8	25.4	29.2	31.1
50°	7.5	7.5	8.5	14.1	19.8	25.4	29.2	31.1
52.5°	7.5	8.5	8.5	13.2	18.8	25.4	29.2	31.1
55°	7.5	8.5	8.5	13.2	18.8	24.5	29.2	31.1
57.5°	7.5	7.5	8.5	12.2	17.9	23.5	29.2	30.1
60°	7.5	7.5	8.5	11.3	16.9	22.6	27.3	29.2
62.5°	7.5	7.5	7.5	10.4	16.0	21.6	26.4	28.2
65°	6.6	6.6	7.5	9.4	14.1	19.8	24.5	26.4
67.5°	5.6	6.6	6.6	8.5	13.2	17.9	22.6	24.5
70°	5.6	5.6	5.6	7.5	11.3	16.0	20.7	21.6
72.5°	4.7	4.7	5.6	6.6	10.4	14.1	18.8	19.8
75°	3.8	4.7	4.7	5.6	8.5	12.2	16.0	16.9
77.5°	3.8	3.8	3.8	4.7	7.5	10.4	13.2	14.1
80°	2.8	2.8	2.8	3.8	5.6	8.5	10.4	11.3
82.5°	1.9	2.8	2.8	2.8	4.7	5.6	7.5	8.5
85°	1.9	1.9	1.9	1.9	2.8	3.8	4.7	5.6
87.5°	0.9	0.9	1.9	1.9	1.9	1.9	1.9	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)