

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: P1308192

Luminaire Tested: LDSQA3D13R609027DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308192
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: LDSQA3D13R609027DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

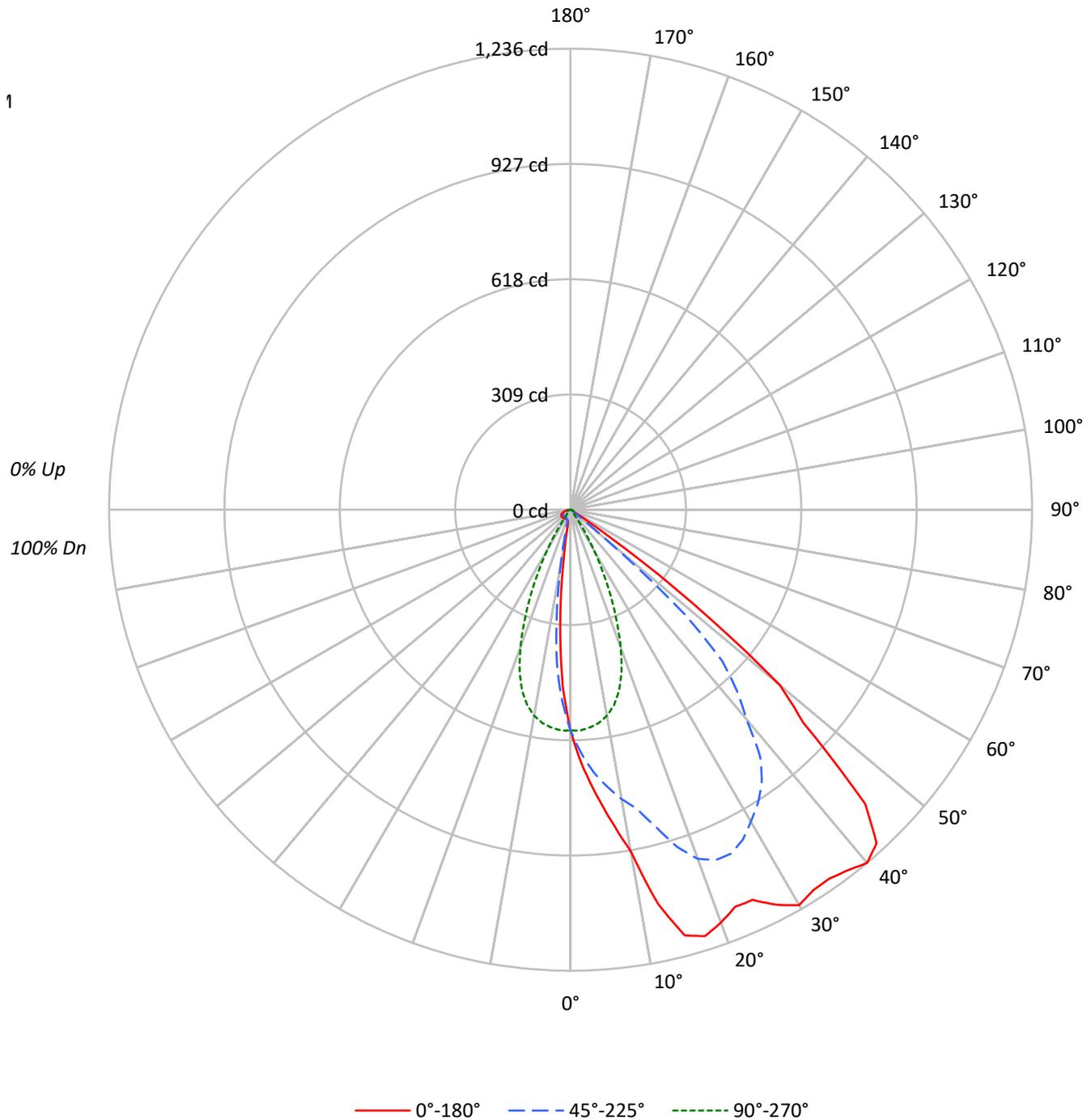
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 961.0 lumens
Efficiency: N/A
Efficacy: 65.8 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: P1308192
CATALOG NUMBER: LDSQA3D13R609027DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1308192

CATALOG NUMBER: LDSQA3D13R609027DE010 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°	101887	101887	101887	101887	101887
5°	131597	122192	101325	72160	55062
10°	162638	137718	98055	27299	8097
15°	210623	156760	89452	5991	5331
20°	215844	182579	72009	4985	5150
25°	219310	193276	48267	4827	5169
30°	243411	191985	24898	4872	5409
35°	253892	187707	6875	5151	5908
40°	277811	164614	3260	5508	6520
45°	271813	139876	3312	5967	7282
50°	195938	34509	3644	6564	8011
55°	37593	2192	3813	7086	8978
60°	1860	2204	3754	7509	9679
65°	1834	2201	3708	7784	10351
70°	1813	2266	3676	7755	10524
75°	1797	2396	3593	7852	10846
80°	893	2678	3570	8133	10811
85°	1778	1778	3557	7114	10671

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 271813 cd/sqm



TEST NUMBER: P1308192

CATALOG NUMBER: LDSQA3D13R609027DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.4	5.4
10°-20°	142.0	14.8
20°-30°	218.6	22.7
30°-40°	256.5	26.7
40°-50°	205.7	21.4
50°-60°	63.9	6.6
60°-70°	12.1	1.3
70°-80°	8.0	0.8
80°-90°	2.8	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°	412.1	42.9
0°-40°	668.6	69.6
0°-60°	938.1	97.6
0°-90°	961.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	961.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	592	592	592	592	592	
5°	761	707	586	417	318	78
15°	1181	879	502	34	30	324
25°	1154	1017	254	25	27	545
35°	1208	893	33	24	28	764
45°	1116	574	14	24	30	799
55°	125	7	13	24	30	198
65°	4	5	9	19	25	4
75°	3	4	5	12	16	2
85°	1	1	2	4	5	1
90°	0	0	0	0	0	



TEST NUMBER: P1308192

CATALOG NUMBER: LDSQA3D13R609027DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	591.6	591.6	591.6	591.6	591.6	591.6	591.6	591.6	591.6	591.6	591.6
2.5°	682.3	675.0	675.0	672.3	669.6	670.5	663.2	666.0	658.7	653.3	648.7
5°	761.2	752.2	751.2	746.7	742.2	738.5	729.5	724.0	713.1	706.8	693.2
7.5°	842.9	835.6	831.1	825.6	817.5	808.4	793.0	783.0	765.8	748.5	731.3
10°	930.0	923.6	913.7	907.3	884.6	870.1	849.2	835.6	810.2	787.5	761.2
12.5°	1082.4	1078.8	1059.7	1047.0	1014.4	985.3	940.0	903.7	858.3	821.1	785.7
15°	1181.3	1176.8	1166.8	1155.0	1134.1	1101.5	1060.6	1009.8	946.3	879.2	819.3
17.5°	1198.5	1199.5	1193.1	1190.4	1176.8	1155.9	1123.2	1085.1	1021.6	947.2	865.6
20°	1177.7	1184.9	1183.1	1188.6	1191.3	1183.1	1161.3	1124.1	1068.8	996.2	904.6
22.5°	1152.3	1158.6	1156.8	1166.8	1182.2	1190.4	1183.1	1153.2	1096.9	1016.2	926.4
25°	1154.1	1158.6	1145.0	1151.4	1171.3	1191.3	1192.2	1165.9	1105.1	1017.1	924.5
27.5°	1194.0	1180.4	1149.6	1146.8	1171.3	1196.7	1198.5	1165.9	1093.3	998.0	906.4
30°	1224.0	1214.0	1179.5	1175.0	1198.5	1215.8	1206.7	1155.9	1065.2	965.4	880.1
32.5°	1209.4	1211.3	1196.7	1211.3	1242.1	1249.4	1211.3	1132.3	1026.2	933.6	849.2
35°	1207.6	1214.9	1223.0	1245.7	1266.6	1249.4	1188.6	1087.9	984.4	892.8	801.1
37.5°	1218.5	1230.3	1242.1	1262.1	1262.1	1217.6	1128.7	1031.6	934.5	834.7	701.3
40°	1235.7	1243.0	1246.6	1244.8	1220.3	1155.0	1060.6	963.6	871.0	732.2	635.1
42.5°	1213.1	1212.2	1208.5	1193.1	1147.7	1062.5	974.4	895.5	749.4	660.5	549.8
45°	1116.0	1116.0	1106.0	1081.5	1039.8	969.0	891.0	775.7	683.2	574.3	408.3
47.5°	844.7	838.3	849.2	863.8	863.8	857.4	786.6	686.8	592.5	414.6	130.7
50°	731.3	721.3	707.7	710.4	708.6	715.9	670.5	595.2	438.2	128.8	9.1
52.5°	413.7	431.9	476.3	538.9	567.1	577.0	548.9	452.7	147.9	8.2	7.3
55°	125.2	128.8	146.1	179.6	244.1	312.1	316.6	147.0	10.0	7.3	7.3
57.5°	5.4	5.4	7.3	10.9	25.4	38.1	40.8	9.1	6.4	7.3	7.3
60°	5.4	5.4	5.4	5.4	5.4	5.4	6.4	6.4	6.4	6.4	7.3
62.5°	4.5	4.5	5.4	5.4	5.4	5.4	5.4	5.4	6.4	6.4	6.4
65°	4.5	4.5	4.5	4.5	4.5	4.5	5.4	5.4	5.4	5.4	6.4
67.5°	3.6	3.6	3.6	4.5	4.5	4.5	4.5	4.5	5.4	5.4	5.4
70°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.5	4.5	4.5	4.5
72.5°	2.7	2.7	2.7	2.7	2.7	3.6	3.6	3.6	3.6	3.6	4.5
75°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.6	3.6	3.6	3.6
77.5°	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7	2.7	2.7	2.7
80°	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	2.7
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8	1.8	1.8
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8
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: P1308192

CATALOG NUMBER: LDSQA3D13R609027DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	591.6	591.6	591.6	591.6	591.6	591.6	591.6	591.6
2.5°	642.4	635.1	626.9	592.5	558.9	513.5	482.7	473.6
5°	681.4	669.6	651.4	586.1	507.2	417.4	344.8	318.5
7.5°	714.0	695.9	670.5	577.0	445.5	283.1	182.4	154.2
10°	737.6	715.0	682.3	560.7	363.8	156.1	61.7	46.3
12.5°	757.6	727.7	688.6	536.2	264.9	63.5	31.8	31.8
15°	771.2	734.9	691.4	501.7	171.5	33.6	29.9	29.9
17.5°	790.3	743.1	691.4	453.7	93.5	29.0	29.0	29.0
20°	821.1	751.2	681.4	392.9	51.7	27.2	28.1	28.1
22.5°	837.4	763.0	668.7	322.1	32.7	26.3	27.2	27.2
25°	841.1	761.2	641.5	254.0	26.3	25.4	26.3	27.2
27.5°	828.4	748.5	605.2	185.1	23.6	24.5	26.3	27.2
30°	805.7	717.7	547.1	125.2	21.8	24.5	26.3	27.2
32.5°	763.0	643.3	479.1	75.3	20.9	24.5	26.3	28.1
35°	667.8	565.3	401.0	32.7	20.0	24.5	27.2	28.1
37.5°	598.8	487.2	310.3	16.3	20.0	24.5	27.2	29.0
40°	522.6	392.0	143.4	14.5	20.0	24.5	27.2	29.0
42.5°	398.3	181.5	17.2	14.5	19.1	24.5	28.1	29.0
45°	145.2	19.1	9.1	13.6	19.1	24.5	28.1	29.9
47.5°	10.9	7.3	8.2	13.6	19.1	24.5	28.1	29.9
50°	7.3	7.3	8.2	13.6	19.1	24.5	28.1	29.9
52.5°	7.3	8.2	8.2	12.7	18.1	24.5	28.1	29.9
55°	7.3	8.2	8.2	12.7	18.1	23.6	28.1	29.9
57.5°	7.3	7.3	8.2	11.8	17.2	22.7	28.1	29.0
60°	7.3	7.3	8.2	10.9	16.3	21.8	26.3	28.1
62.5°	7.3	7.3	7.3	10.0	15.4	20.9	25.4	27.2
65°	6.4	6.4	7.3	9.1	13.6	19.1	23.6	25.4
67.5°	5.4	6.4	6.4	8.2	12.7	17.2	21.8	23.6
70°	5.4	5.4	5.4	7.3	10.9	15.4	20.0	20.9
72.5°	4.5	4.5	5.4	6.4	10.0	13.6	18.1	19.1
75°	3.6	4.5	4.5	5.4	8.2	11.8	15.4	16.3
77.5°	3.6	3.6	3.6	4.5	7.3	10.0	12.7	13.6
80°	2.7	2.7	2.7	3.6	5.4	8.2	10.0	10.9
82.5°	1.8	2.7	2.7	2.7	4.5	5.4	7.3	8.2
85°	1.8	1.8	1.8	1.8	2.7	3.6	4.5	5.4
87.5°	0.9	0.9	1.8	1.8	1.8	1.8	1.8	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)