

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: P1313894

Luminaire Tested: LDSQA3D17R659727DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313894
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R659727DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

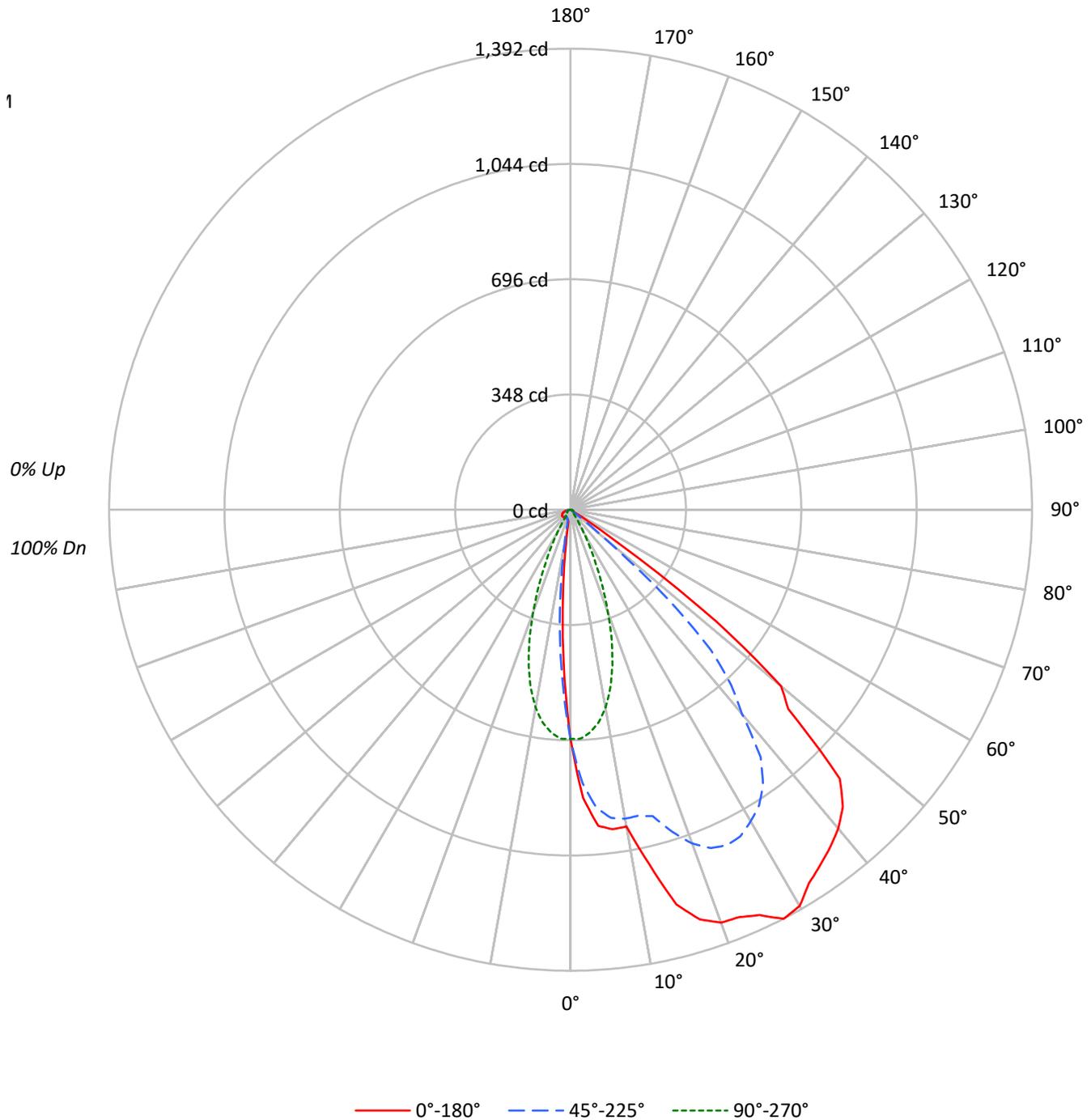
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1037.0 lumens
Efficiency: N/A
Efficacy: 48.9 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
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

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Luminous Intensity Polar Plot





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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90	90	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	81	81	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	72	72	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65	65	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58	58	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53	53	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48	48	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43	43	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40	40	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36	36	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	119161	119161	119161	119161	119161
5°	165620	156319	116625	64087	45087
10°	169808	165663	106099	17908	6593
15°	220002	170809	86849	5759	5581
20°	243133	196526	60444	5132	5333
25°	256593	212355	34205	4922	5321
30°	274753	216028	15432	4932	5568
35°	275736	212747	4983	5214	6118
40°	282487	180733	3395	5576	6790
45°	279801	145673	3410	6040	7355
50°	222034	34349	3456	6645	8386
55°	52756	1952	3573	7446	9398
60°	1860	2239	4099	7784	10023
65°	2201	2201	3953	8354	10962
70°	1611	2165	3777	8157	11380
75°	1464	2129	3593	8584	11445
80°	1091	2182	4265	8529	11802
85°	2174	4347	4347	8497	10671

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 280313 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.7	5.6
10°-20°	152.0	14.7
20°-30°	238.8	23.0
30°-40°	273.2	26.3
40°-50°	219.6	21.2
50°-60°	71.4	6.9
60°-70°	12.7	1.2
70°-80°	8.4	0.8
80°-90°	3.0	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°	448.6	43.3
0°-40°	721.9	69.6
0°-60°	1012.9	97.7
0°-90°	1037.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1037.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	692	692	692	692	692	
5°	958	904	675	371	261	90
15°	1234	958	487	32	31	344
25°	1350	1118	180	26	28	629
35°	1312	1012	24	25	29	824
45°	1149	598	14	25	30	827
55°	176	6	12	25	31	251
65°	5	5	10	20	27	5
75°	2	3	5	13	17	3
85°	1	2	2	4	5	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	691.9	691.9	691.9	691.9	691.9	691.9	691.9	691.9	691.9	691.9	691.9
2.5°	870.7	867.5	871.8	864.3	863.2	855.7	851.3	849.2	839.5	826.6	814.7
5°	958.0	945.1	948.3	947.3	941.9	938.6	934.3	928.9	916.0	904.2	889.1
7.5°	973.1	962.3	964.5	965.6	962.3	961.3	960.2	958.0	949.4	938.6	925.7
10°	971.0	960.2	959.1	955.9	952.6	953.7	953.7	953.7	951.6	947.3	942.9
12.5°	1096.0	1080.9	1077.7	1055.0	1034.5	999.0	976.4	954.8	945.1	946.2	942.9
15°	1233.9	1232.8	1222.1	1200.5	1166.0	1133.7	1082.0	1043.2	993.6	958.0	942.9
17.5°	1296.4	1295.3	1285.6	1267.3	1242.5	1212.4	1174.6	1129.4	1074.4	1019.5	974.2
20°	1326.6	1334.1	1323.4	1308.3	1284.6	1256.5	1221.0	1180.0	1128.3	1072.3	1018.4
22.5°	1330.9	1340.6	1330.9	1320.1	1302.9	1284.6	1254.4	1212.4	1159.6	1105.7	1052.9
25°	1350.3	1353.5	1333.1	1319.0	1302.9	1290.0	1266.2	1229.6	1175.7	1117.5	1065.8
27.5°	1392.3	1378.3	1335.2	1315.8	1300.7	1288.9	1266.2	1228.5	1170.3	1111.1	1057.2
30°	1381.6	1376.2	1338.4	1320.1	1307.2	1295.3	1267.3	1218.8	1148.8	1086.3	1030.2
32.5°	1337.4	1348.1	1335.2	1328.7	1322.3	1307.2	1266.2	1200.5	1121.8	1058.3	982.8
35°	1311.5	1324.4	1325.5	1325.5	1318.0	1295.3	1246.8	1173.6	1094.9	1011.9	910.6
37.5°	1285.6	1296.4	1302.9	1307.2	1296.4	1264.1	1202.7	1136.9	1050.7	941.9	764.1
40°	1256.5	1264.1	1269.5	1271.6	1255.5	1213.4	1157.4	1083.0	986.1	803.9	682.2
42.5°	1215.6	1219.9	1218.8	1217.7	1200.5	1154.2	1101.4	1023.8	831.9	716.6	569.0
45°	1148.8	1144.5	1150.9	1150.9	1128.3	1093.8	1023.8	872.9	744.7	598.1	366.4
47.5°	890.1	893.4	924.6	975.3	1006.5	996.8	902.0	764.1	626.1	392.3	121.8
50°	828.7	825.5	826.6	831.9	835.2	808.2	740.3	645.5	413.8	128.2	8.6
52.5°	556.1	559.3	584.1	641.2	659.5	640.1	575.5	431.1	150.9	8.6	7.5
55°	175.7	187.5	201.5	231.7	284.5	317.9	311.4	153.0	9.7	6.5	7.5
57.5°	6.5	6.5	8.6	15.1	29.1	47.4	49.6	9.7	7.5	7.5	7.5
60°	5.4	5.4	5.4	5.4	5.4	5.4	6.5	6.5	6.5	6.5	6.5
62.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	6.5	6.5	6.5	6.5
65°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	6.5
67.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.4	5.4	5.4	5.4
70°	3.2	3.2	3.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.4
72.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	4.3	4.3	4.3
75°	2.2	2.2	2.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
77.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2	3.2	3.2
80°	1.1	1.1	1.1	2.2	2.2	2.2	2.2	2.2	2.2	2.2	3.2
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2
85°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
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



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	691.9	691.9	691.9	691.9	691.9	691.9	691.9	691.9
2.5°	808.2	795.3	769.4	691.9	611.0	530.2	479.6	466.6
5°	871.8	856.7	820.1	674.6	510.8	370.7	291.0	260.8
7.5°	910.6	892.3	849.2	647.7	397.7	215.5	129.3	103.5
10°	927.9	911.7	863.2	606.7	287.7	102.4	45.3	37.7
12.5°	935.4	922.5	868.6	552.8	187.5	45.3	33.4	32.3
15°	938.6	924.6	866.4	487.1	106.7	32.3	31.3	31.3
17.5°	941.9	925.7	853.5	411.7	59.3	30.2	29.1	30.2
20°	967.7	921.4	830.9	329.8	38.8	28.0	28.0	29.1
22.5°	993.6	920.3	791.0	252.2	30.2	26.9	28.0	28.0
25°	1002.2	909.5	740.3	180.0	25.9	25.9	26.9	28.0
27.5°	986.1	878.3	672.5	121.8	22.6	25.9	26.9	28.0
30°	948.3	825.5	590.6	77.6	21.6	24.8	26.9	28.0
32.5°	878.3	721.0	499.0	46.3	20.5	24.8	28.0	28.0
35°	738.2	604.6	395.5	23.7	20.5	24.8	28.0	29.1
37.5°	645.5	504.3	275.9	16.2	20.5	24.8	28.0	29.1
40°	535.6	364.2	115.3	15.1	20.5	24.8	28.0	30.2
42.5°	370.7	158.4	18.3	14.0	19.4	24.8	29.1	30.2
45°	133.6	20.5	8.6	14.0	19.4	24.8	29.1	30.2
47.5°	11.9	7.5	8.6	14.0	19.4	24.8	29.1	31.3
50°	7.5	7.5	7.5	12.9	19.4	24.8	29.1	31.3
52.5°	7.5	7.5	7.5	12.9	18.3	24.8	30.2	31.3
55°	7.5	7.5	7.5	11.9	18.3	24.8	29.1	31.3
57.5°	7.5	7.5	8.6	11.9	18.3	23.7	29.1	30.2
60°	7.5	7.5	7.5	11.9	17.2	22.6	28.0	29.1
62.5°	6.5	7.5	7.5	10.8	16.2	21.6	26.9	28.0
65°	6.5	6.5	7.5	9.7	15.1	20.5	24.8	26.9
67.5°	5.4	6.5	6.5	8.6	12.9	18.3	22.6	24.8
70°	5.4	5.4	5.4	7.5	11.9	16.2	21.6	22.6
72.5°	4.3	5.4	5.4	6.5	9.7	14.0	18.3	20.5
75°	4.3	4.3	4.3	5.4	8.6	12.9	16.2	17.2
77.5°	3.2	3.2	4.3	4.3	7.5	9.7	14.0	15.1
80°	3.2	3.2	3.2	4.3	5.4	8.6	10.8	11.9
82.5°	2.2	2.2	2.2	3.2	4.3	5.4	7.5	8.6
85°	2.2	2.2	2.2	2.2	3.2	4.3	5.4	5.4
87.5°	1.1	1.1	1.1	2.2	2.2	2.2	2.2	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)