

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: P1315027

Luminaire Tested: LDSQA3D20R709730D010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315027
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R709730D010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

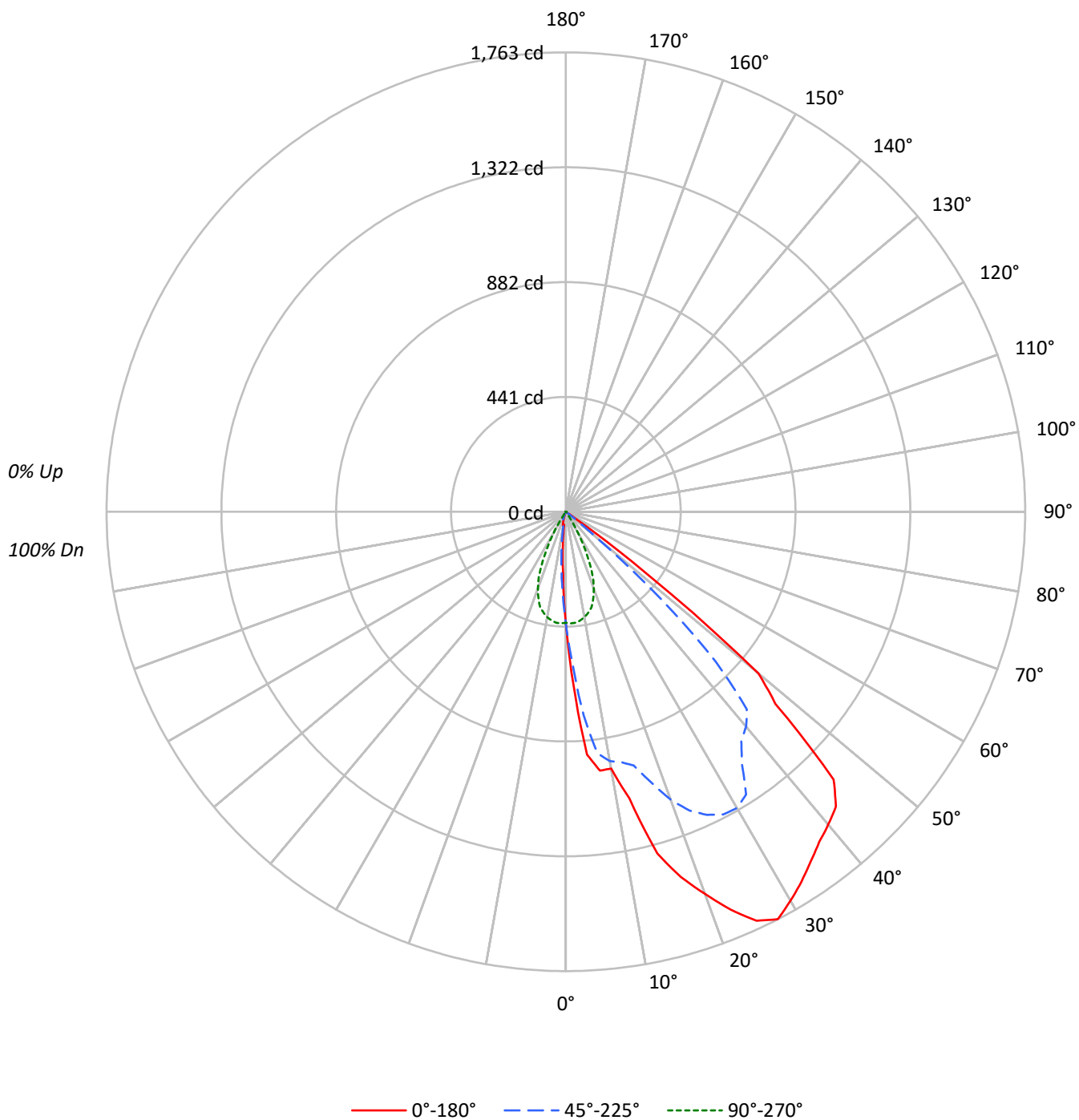
Lumens per Lamp: N/A
Luminaire Lumens: 1147.0 lumens
Efficiency: N/A
Efficacy: 39.8 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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

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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
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		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82		
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73		
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48		
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	73315	73315	73315	73315	73315
5°	161747	135711	73872	33573	22111
10°	174932	169843	71893	9339	9618
15°	242129	179796	67825	9521	6918
20°	285965	215367	57549	5645	2071
25°	329107	243899	40609	931	0
30°	342804	261051	18673	0	0
35°	344381	247395	1030	0	0
40°	352249	241997	0	0	0
45°	354014	198306	0	0	0
50°	258473	41208	0	0	0
55°	14593	0	0	0	0
60°	0	551	551	0	0
65°	0	0	652	0	0
70°	0	806	806	0	0
75°	0	1065	1065	0	0
80°	0	1587	1587	1587	0
85°	0	3162	3162	3162	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 360712 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.6	4.1
10°-20°	155.5	13.6
20°-30°	279.5	24.4
30°-40°	339.8	29.6
40°-50°	262.4	22.9
50°-60°	61.0	5.3
60°-70°	0.4	0.0
70°-80°	0.9	0.1
80°-90°	0.9	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°	481.6	42.0
0°-40°	821.4	71.6
0°-60°	1144.9	99.8
0°-90°	1147.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1147.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	426	426	426	426	426	
5°	936	785	427	194	128	88
15°	1358	1008	380	53	39	380
25°	1732	1284	214	5	0	788
35°	1638	1177	5	0	0	1029
45°	1454	814	0	0	0	1027
55°	49	0	0	0	0	200
65°	0	0	2	0	0	0
75°	0	2	2	0	0	0
85°	0	2	2	2	0	0
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°	425.7	425.7	425.7	425.7	425.7	425.7	425.7	425.7	425.7	425.7	425.7
2.5°	663.6	663.6	666.9	665.2	650.7	644.2	623.2	611.8	608.6	582.7	573.0
5°	935.6	937.2	929.1	927.5	911.3	899.9	882.1	854.6	827.1	785.0	747.8
7.5°	1001.9	1000.3	998.7	998.7	995.4	989.0	980.9	972.8	961.4	935.6	906.4
10°	1000.3	1000.3	998.7	998.7	997.1	998.7	997.1	992.2	987.3	971.2	955.0
12.5°	1126.5	1116.8	1103.9	1084.5	1052.1	1027.8	1000.3	992.2	989.0	984.1	974.4
15°	1358.0	1349.9	1322.4	1288.4	1256.0	1201.0	1157.3	1097.4	1050.5	1008.4	987.3
17.5°	1469.7	1474.5	1443.8	1422.7	1392.0	1348.3	1296.5	1235.0	1168.6	1089.3	1026.2
20°	1560.3	1565.2	1539.3	1518.2	1482.6	1437.3	1392.0	1325.6	1262.5	1175.1	1092.6
22.5°	1652.6	1655.8	1631.5	1600.8	1560.3	1513.4	1455.1	1387.1	1319.2	1241.5	1154.1
25°	1731.9	1728.7	1688.2	1644.5	1605.7	1555.5	1498.8	1432.5	1367.7	1283.5	1201.0
27.5°	1762.7	1761.0	1715.7	1673.6	1628.3	1560.3	1510.2	1451.9	1383.9	1309.4	1225.3
30°	1723.8	1749.7	1720.6	1689.8	1634.8	1566.8	1518.2	1448.6	1385.5	1312.7	1217.2
32.5°	1683.3	1715.7	1706.0	1691.4	1626.7	1573.3	1510.2	1445.4	1371.0	1286.8	1141.1
35°	1638.0	1672.0	1673.6	1657.4	1599.2	1545.8	1487.5	1419.5	1335.3	1176.7	1069.9
37.5°	1597.6	1629.9	1639.6	1605.7	1560.3	1489.1	1435.7	1364.5	1212.3	1105.5	1050.5
40°	1566.8	1591.1	1605.7	1552.2	1506.9	1437.3	1375.8	1251.2	1113.6	1076.4	998.7
42.5°	1534.4	1557.1	1563.6	1505.3	1435.7	1369.3	1280.3	1123.3	1082.8	1027.8	819.0
45°	1453.5	1481.0	1464.8	1408.2	1356.4	1286.8	1154.1	1086.1	1042.4	814.2	503.4
47.5°	1090.9	1121.7	1165.4	1181.6	1199.4	1149.2	1076.4	1052.1	856.2	493.7	157.0
50°	964.7	959.8	959.8	967.9	982.5	998.7	1019.7	887.0	514.7	153.8	0.0
52.5°	393.3	412.7	508.2	594.0	692.8	791.5	822.2	543.8	200.7	3.2	0.0
55°	48.6	48.6	68.0	116.5	192.6	310.8	349.6	174.8	14.6	0.0	0.0
57.5°	0.0	0.0	0.0	1.6	12.9	35.6	24.3	6.5	1.6	1.6	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
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°	425.7	425.7	425.7	425.7	425.7	425.7	425.7	425.7
2.5°	556.8	537.4	509.9	428.9	359.3	297.8	262.2	244.4
5°	712.2	665.2	602.1	427.3	291.3	194.2	145.7	127.9
7.5°	861.1	807.7	700.9	420.8	223.4	113.3	63.1	50.2
10°	925.8	887.0	791.5	411.1	161.9	53.4	53.4	55.0
12.5°	951.7	922.6	844.9	396.6	106.8	51.8	55.0	51.8
15°	969.5	942.0	870.8	380.4	61.5	53.4	43.7	38.8
17.5°	979.3	946.9	878.9	349.6	40.5	45.3	27.5	22.7
20°	1010.0	958.2	885.4	314.0	38.8	30.8	14.6	11.3
22.5°	1061.8	980.9	887.0	270.3	30.8	17.8	4.9	0.0
25°	1108.7	1011.6	891.8	213.7	9.7	4.9	0.0	0.0
27.5°	1131.4	1021.3	890.2	150.5	0.0	0.0	0.0	0.0
30°	1103.9	997.1	875.7	93.9	0.0	0.0	0.0	0.0
32.5°	1039.1	979.3	830.3	40.5	0.0	0.0	0.0	0.0
35°	1018.1	940.4	726.8	4.9	0.0	0.0	0.0	0.0
37.5°	971.2	828.7	534.1	0.0	0.0	0.0	0.0	0.0
40°	835.2	598.9	254.1	0.0	0.0	0.0	0.0	0.0
42.5°	551.9	255.7	14.6	0.0	0.0	0.0	0.0	0.0
45°	194.2	16.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	1.6	1.6	0.0	0.0	0.0	0.0
67.5°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
70°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
72.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
75°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
77.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
80°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0
85°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0
87.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)