

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: P1319454

Luminaire Tested: LDSQA3D17R709835DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

**Test Information**

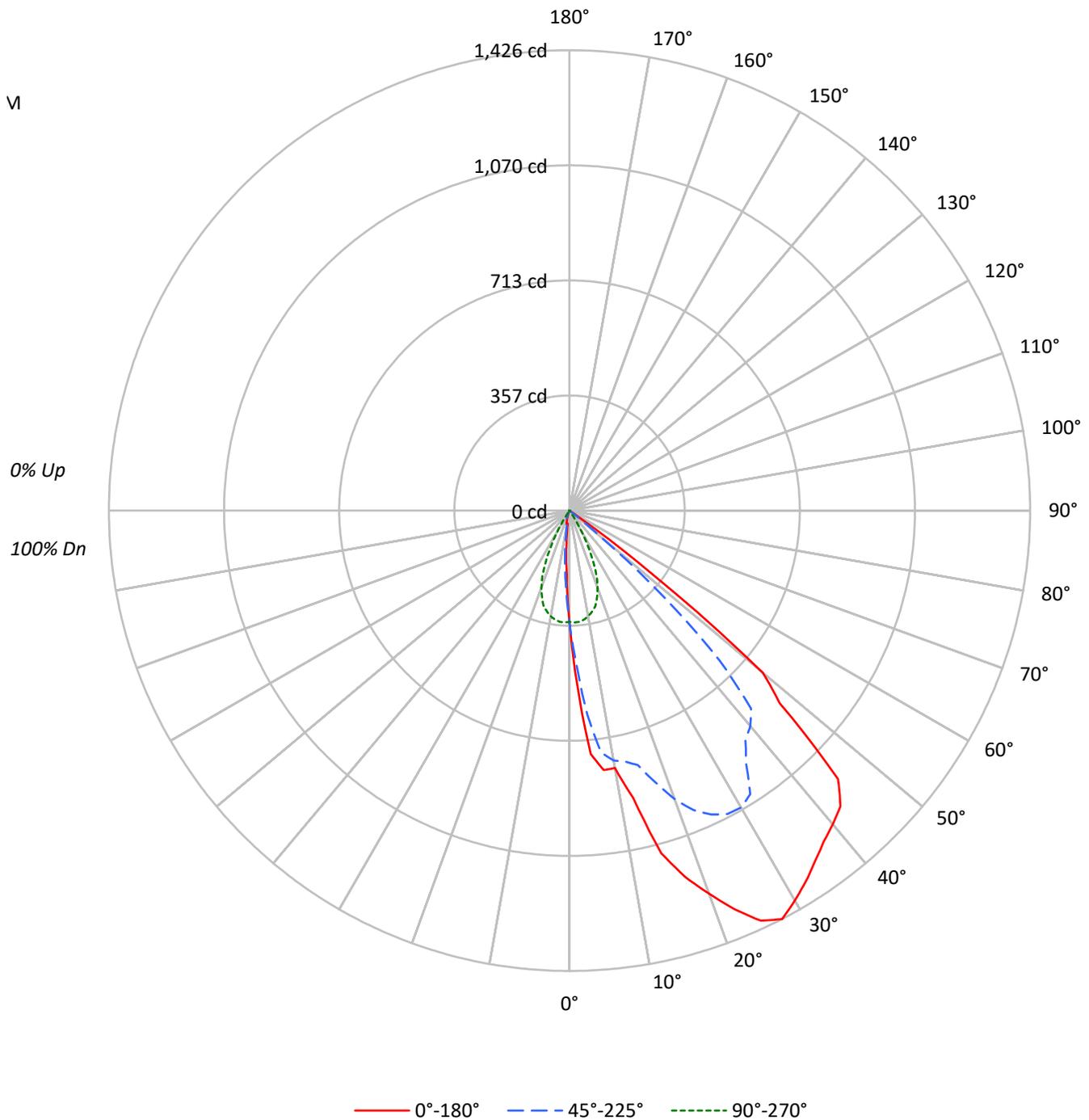
Test Method: LM-79-2019  
Report Number: P1319454  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R709835DE010 3LSQCA30R 1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 928.0 lumens  
Efficiency: N/A  
Efficacy: 45.5 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): 20.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91	91	91	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82	82	82	82
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73	73	73	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66	66	66	66
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59	59	59	59
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53	53	53	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48	48	48	48
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43	43	43	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39	39	39	39
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36	36	36	36

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	59313	59313	59313	59313	59313
5°	130853	109796	59765	27160	17893
10°	141530	137403	58165	7555	7782
15°	195896	145473	54862	7702	5599
20°	231367	174240	46570	4564	1686
25°	266265	197343	32856	741	0
30°	277358	211215	15114	0	0
35°	278638	200153	820	0	0
40°	285005	195796	0	0	0
45°	286426	160433	0	0	0
50°	209120	33331	0	0	0
55°	11800	0	0	0	0
60°	0	448	448	0	0
65°	0	0	530	0	0
70°	0	655	655	0	0
75°	0	865	865	0	0
80°	0	1289	1289	1289	0
85°	0	2569	2569	2569	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 291833 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.7	4.1
10°-20°	125.8	13.6
20°-30°	226.2	24.4
30°-40°	274.9	29.6
40°-50°	212.3	22.9
50°-60°	49.4	5.3
60°-70°	0.3	0.0
70°-80°	0.7	0.1
80°-90°	0.7	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°	389.7	42.0
0°-40°	664.6	71.6
0°-60°	926.3	99.8
0°-90°	928.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	928.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	344	344	344	344	344	
5°	757	635	346	157	104	71
15°	1099	816	308	43	31	307
25°	1401	1038	173	4	0	638
35°	1325	952	4	0	0	832
45°	1176	659	0	0	0	831
55°	39	0	0	0	0	161
65°	0	0	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	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°	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4
2.5°	536.9	536.9	539.5	538.2	526.4	521.2	504.2	495.0	492.4	471.4	463.6
5°	756.9	758.2	751.7	750.4	737.3	728.1	713.7	691.4	669.2	635.1	605.0
7.5°	810.6	809.3	808.0	808.0	805.4	800.1	793.6	787.0	777.9	756.9	733.4
10°	809.3	809.3	808.0	808.0	806.7	808.0	806.7	802.8	798.8	785.7	772.6
12.5°	911.5	903.6	893.1	877.4	851.2	831.6	809.3	802.8	800.1	796.2	788.4
15°	1098.7	1092.2	1069.9	1042.4	1016.2	971.7	936.3	887.9	849.9	815.9	798.8
17.5°	1189.1	1193.0	1168.1	1151.1	1126.2	1090.9	1049.0	999.2	945.5	881.3	830.3
20°	1262.4	1266.3	1245.4	1228.4	1199.6	1162.9	1126.2	1072.5	1021.5	950.7	884.0
22.5°	1337.1	1339.7	1320.0	1295.2	1262.4	1224.4	1177.3	1122.3	1067.3	1004.4	933.7
25°	1401.2	1398.6	1365.9	1330.5	1299.1	1258.5	1212.6	1159.0	1106.6	1038.5	971.7
27.5°	1426.1	1424.8	1388.1	1354.1	1317.4	1262.4	1221.8	1174.7	1119.7	1059.4	991.3
30°	1394.7	1415.6	1392.1	1367.2	1322.7	1267.7	1228.4	1172.1	1121.0	1062.1	984.8
32.5°	1361.9	1388.1	1380.3	1368.5	1316.1	1272.9	1221.8	1169.4	1109.2	1041.1	923.2
35°	1325.3	1352.8	1354.1	1341.0	1293.8	1250.6	1203.5	1148.5	1080.4	952.0	865.6
37.5°	1292.5	1318.7	1326.6	1299.1	1262.4	1204.8	1161.6	1104.0	980.9	894.4	849.9
40°	1267.7	1287.3	1299.1	1255.9	1219.2	1162.9	1113.1	1012.3	901.0	870.9	808.0
42.5°	1241.5	1259.8	1265.0	1217.9	1161.6	1107.9	1035.9	908.8	876.1	831.6	662.6
45°	1176.0	1198.2	1185.1	1139.3	1097.4	1041.1	933.7	878.7	843.4	658.7	407.3
47.5°	882.6	907.5	942.9	956.0	970.4	929.8	870.9	851.2	692.8	399.4	127.0
50°	780.5	776.6	776.6	783.1	794.9	808.0	825.0	717.6	416.4	124.4	0.0
52.5°	318.2	333.9	411.2	480.6	560.5	640.4	665.3	440.0	162.4	2.6	0.0
55°	39.3	39.3	55.0	94.3	155.8	251.4	282.9	141.4	11.8	0.0	0.0
57.5°	0.0	0.0	0.0	1.3	10.5	28.8	19.6	5.2	1.3	1.3	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
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	1.3	1.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
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°	344.4	344.4	344.4	344.4	344.4	344.4	344.4	344.4
2.5°	450.5	434.8	412.5	347.0	290.7	241.0	212.1	197.7
5°	576.2	538.2	487.2	345.7	235.7	157.1	117.9	103.5
7.5°	696.7	653.5	567.0	340.5	180.7	91.7	51.1	40.6
10°	749.1	717.6	640.4	332.6	131.0	43.2	43.2	44.5
12.5°	770.0	746.4	683.6	320.8	86.4	41.9	44.5	41.9
15°	784.4	762.2	704.5	307.7	49.8	43.2	35.4	31.4
17.5°	792.3	766.1	711.1	282.9	32.7	36.7	22.3	18.3
20°	817.2	775.3	716.3	254.1	31.4	24.9	11.8	9.2
22.5°	859.1	793.6	717.6	218.7	24.9	14.4	3.9	0.0
25°	897.0	818.5	721.6	172.9	7.9	3.9	0.0	0.0
27.5°	915.4	826.3	720.3	121.8	0.0	0.0	0.0	0.0
30°	893.1	806.7	708.5	76.0	0.0	0.0	0.0	0.0
32.5°	840.7	792.3	671.8	32.7	0.0	0.0	0.0	0.0
35°	823.7	760.9	588.0	3.9	0.0	0.0	0.0	0.0
37.5°	785.7	670.5	432.2	0.0	0.0	0.0	0.0	0.0
40°	675.7	484.5	205.6	0.0	0.0	0.0	0.0	0.0
42.5°	446.6	206.9	11.8	0.0	0.0	0.0	0.0	0.0
45°	157.1	13.1	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	2.6	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°	1.3	1.3	1.3	1.3	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	1.3	1.3	0.0	0.0	0.0	0.0
67.5°	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
70°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
72.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
75°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
77.5°	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0
80°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
85°	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
87.5°	1.3	1.3	1.3	1.3	1.3	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)