

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: P1318949

Luminaire Tested: LDSQA3D05R359835DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318949
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R359835DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

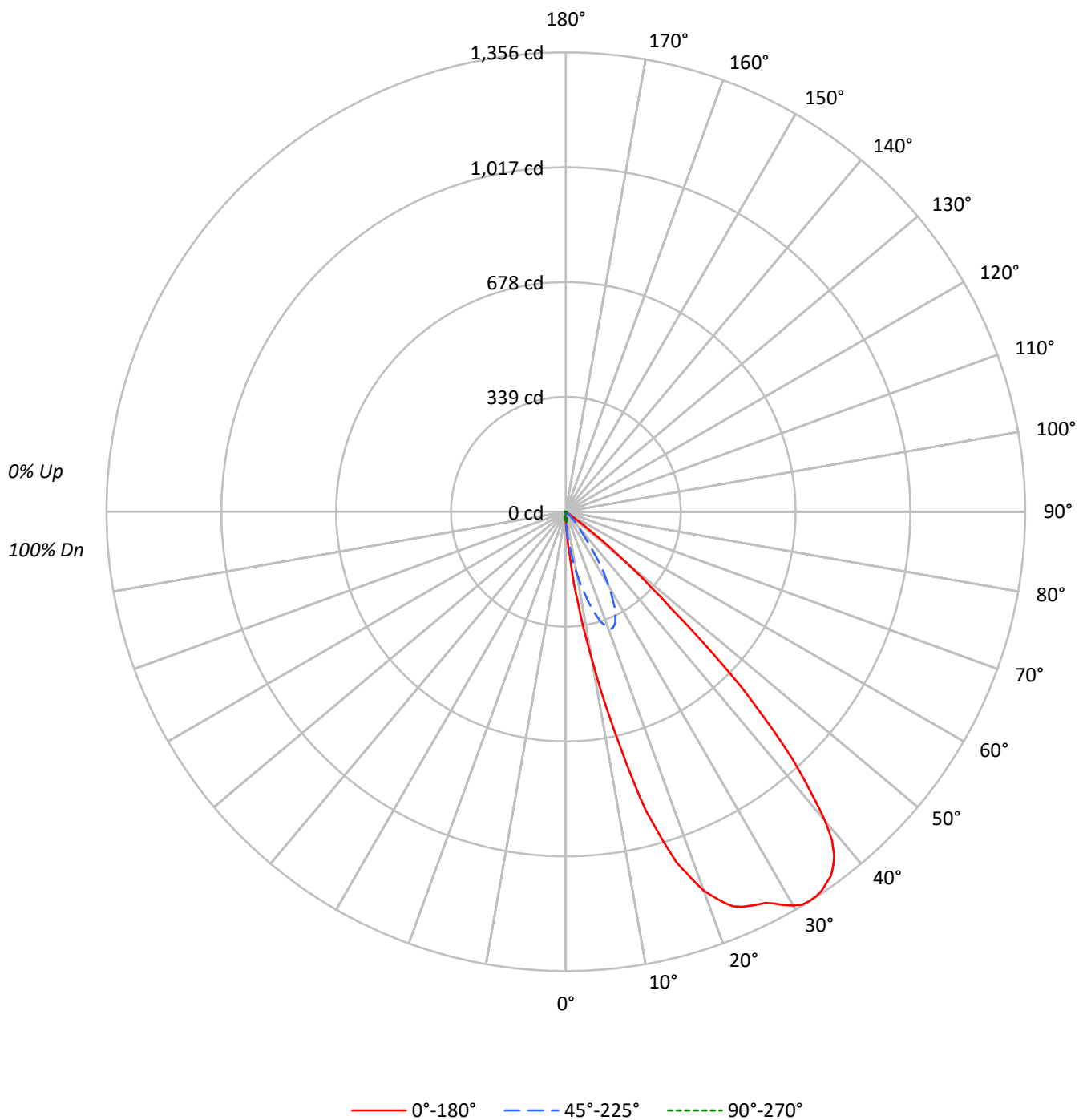
Lumens per Lamp: N/A
Luminaire Lumens: 405.0 lumens
Efficiency: N/A
Efficacy: 56.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67		
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61		
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	45		
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5253	5253	5253	5253	5253
5°	22838	14159	4875	1729	1210
10°	76894	31968	3655	402	140
15°	162715	52420	2282	0	0
20°	218171	66987	1063	0	0
25°	243823	65787	228	0	0
30°	266917	50412	0	0	0
35°	281707	27458	0	0	0
40°	267806	12343	0	0	0
45°	179747	5456	0	0	0
50°	60043	509	0	0	0
55°	3243	0	0	0	0
60°	0	0	138	0	0
65°	0	0	326	0	0
70°	0	201	403	0	0
75°	0	266	532	0	0
80°	0	397	793	0	0
85°	0	790	1581	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 179747 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.6	1.6
10°-20°	56.2	13.9
20°-30°	123.3	30.4
30°-40°	142.6	35.2
40°-50°	70.4	17.4
50°-60°	5.2	1.3
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.3	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°	186.0	45.9
0°-40°	328.7	81.1
0°-60°	404.3	99.8
0°-90°	405.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	405.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	30	30	30	30	30	
5°	132	82	28	10	7	23
15°	913	294	13	0	0	258
25°	1283	346	1	0	0	593
35°	1340	131	0	0	0	827
45°	738	22	0	0	0	542
55°	11	0	0	0	0	44
65°	0	0	1	0	0	0
75°	0	0	1	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
2.5°	60.7	62.2	61.4	61.4	61.0	59.1	55.6	54.5	50.2	39.8	30.9
5°	132.1	132.5	131.4	125.6	120.5	115.9	105.9	101.2	81.9	48.7	28.2
7.5°	268.1	262.3	255.0	246.9	229.1	212.9	191.6	169.2	126.7	56.4	25.1
10°	439.7	431.6	425.4	406.1	374.0	340.8	300.2	263.5	182.8	61.8	20.9
12.5°	661.1	656.4	634.4	595.8	548.3	500.3	429.6	371.3	239.2	63.0	17.0
15°	912.6	904.9	871.3	816.4	751.9	676.5	581.9	483.7	294.0	59.5	12.8
17.5°	1084.5	1080.3	1051.3	993.7	919.6	823.7	711.7	589.2	339.2	52.2	8.9
20°	1190.4	1184.2	1157.2	1108.5	1030.8	930.8	797.9	656.4	365.5	42.9	5.8
21°	1217.8	1211.7	1190.0	1139.4	1065.2	957.8	821.4	672.7	370.5	38.6	4.6
22°	1243.7	1237.5	1214.7	1169.9	1096.5	984.5	840.0	685.0	369.8	35.2	3.5
23°	1265.4	1258.8	1236.4	1195.0	1121.2	1008.0	853.9	691.2	364.7	31.7	2.7
24°	1276.6	1272.7	1252.6	1213.6	1141.3	1024.7	863.5	693.5	358.6	28.2	1.9
25°	1283.1	1278.5	1258.8	1222.9	1154.5	1037.8	869.7	691.6	346.2	25.1	1.2
26°	1290.1	1283.1	1260.7	1226.0	1161.4	1044.0	870.1	686.6	333.1	22.4	0.4
27°	1296.3	1289.7	1266.5	1228.3	1162.6	1042.0	867.0	676.9	317.2	19.7	0.4
28°	1309.8	1302.5	1275.8	1233.3	1163.7	1037.0	857.4	663.8	296.3	17.4	0.0
29°	1327.6	1319.8	1289.3	1245.3	1166.5	1031.6	844.2	646.4	278.2	15.5	0.0
30°	1342.2	1335.3	1307.1	1260.3	1173.4	1026.6	828.8	622.8	253.5	13.1	0.0
31°	1353.1	1346.1	1320.2	1273.1	1179.6	1021.9	809.4	598.5	231.0	11.6	0.0
32°	1355.8	1350.0	1325.6	1278.5	1179.6	1015.0	791.7	571.1	209.0	9.7	0.0
33°	1354.6	1348.8	1324.1	1274.6	1169.2	998.4	770.0	538.2	183.9	8.5	0.0
34°	1350.4	1343.4	1317.1	1262.3	1148.7	970.2	738.7	505.4	157.6	7.0	0.0
35°	1339.9	1333.7	1305.2	1239.1	1117.0	927.3	697.0	467.5	130.6	5.8	0.0
36°	1329.9	1320.6	1285.5	1210.5	1075.3	883.2	647.2	423.8	107.4	4.6	0.0
37°	1311.3	1298.2	1262.7	1169.2	1016.2	821.0	590.4	375.9	90.0	3.5	0.0
38°	1286.6	1268.8	1223.6	1121.2	956.7	762.7	537.1	332.7	75.7	2.3	0.0
39°	1248.4	1227.5	1166.1	1055.6	887.9	695.1	476.0	286.7	64.5	1.5	0.0
40°	1191.2	1171.5	1103.5	977.5	819.5	620.5	413.4	234.9	54.9	0.8	0.0
42.5°	991.8	964.8	885.9	760.8	605.8	446.3	273.5	130.6	36.3	0.0	0.0
45°	738.0	714.0	636.7	522.8	403.8	273.2	146.4	76.9	22.4	0.0	0.0
47.5°	416.9	414.2	364.0	300.2	225.3	145.3	74.2	46.4	9.7	0.0	0.0
50°	224.1	210.2	181.2	137.5	93.9	63.4	40.2	25.5	1.9	0.0	0.0
52.5°	81.9	79.2	66.5	55.3	42.5	29.0	20.5	11.2	0.0	0.0	0.0
55°	10.8	10.0	10.4	11.2	11.6	10.0	6.6	2.3	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.4	0.8	0.8	0.8	0.0	0.0	0.0	0.4
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.8
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):

	112.5°	135°	157.5°	180°
0°	30.5	30.5	30.5	30.5
2.5°	23.6	18.2	15.5	15.1
5°	16.2	10.0	7.3	7.0
7.5°	11.2	5.0	3.5	3.1
10°	6.6	2.3	1.2	0.8
12.5°	3.9	0.4	0.0	0.0
15°	1.2	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.4	0.0	0.0	0.0
67.5°	0.4	0.0	0.0	0.0
70°	0.4	0.0	0.0	0.0
72.5°	0.4	0.0	0.0	0.0
75°	0.4	0.0	0.0	0.0
77.5°	0.4	0.0	0.0	0.0
80°	0.4	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.4	0.0	0.0	0.0
85°	0.4	0.0	0.0	0.0
87.5°	0.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)