

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: P1319825

Luminaire Tested: LDSQA3D05R359840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319825
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: LDSQA3D05R359840DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

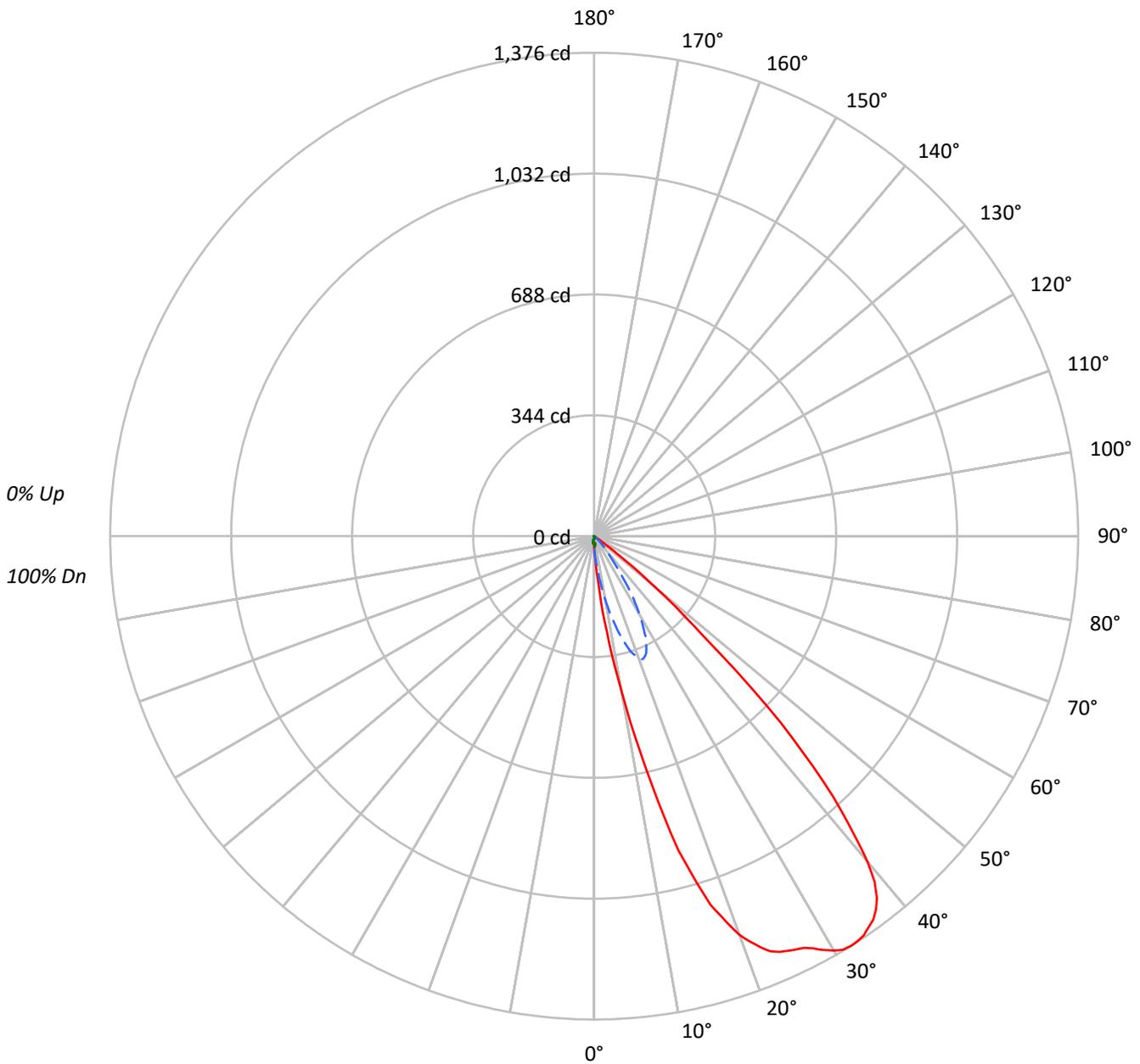
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 411.0 lumens
Efficiency: N/A
Efficacy: 57.1 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 (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



— 0°-180° - - 45°-225° - - - 90°-270°



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	89	87	85	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	82	79	76	75
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	70	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	46	55	50	46	55	50	46	45
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	5339	5339	5339	5339	5339
5°	23183	14366	4944	1763	1227
10°	78031	32440	3707	420	140
15°	165122	53204	2300	0	0
20°	221397	67977	1081	0	0
25°	247434	66756	228	0	0
30°	270875	51148	0	0	0
35°	285891	27857	0	0	0
40°	271763	12523	0	0	0
45°	182402	5529	0	0	0
50°	60927	536	0	0	0
55°	3303	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: 182402 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.7	1.6
10°-20°	57.0	13.9
20°-30°	125.1	30.4
30°-40°	144.7	35.2
40°-50°	71.4	17.4
50°-60°	5.3	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°	188.8	45.9
0°-40°	333.5	81.1
0°-60°	410.3	99.8
0°-90°	411.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	411.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	31	31	31	31	31	
5°	134	83	29	10	7	23
15°	926	298	13	0	0	261
25°	1302	351	1	0	0	602
35°	1360	132	0	0	0	840
45°	749	23	0	0	0	550
55°	11	0	0	0	0	45
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°	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
2.5°	61.6	63.1	62.3	62.3	62.0	60.0	56.5	55.3	51.0	40.4	31.4
5°	134.1	134.5	133.3	127.4	122.3	117.6	107.4	102.7	83.1	49.4	28.6
7.5°	272.1	266.2	258.8	250.5	232.5	216.0	194.5	171.7	128.6	57.2	25.5
10°	446.2	438.0	431.7	412.1	379.5	345.8	304.7	267.4	185.5	62.7	21.2
12.5°	670.9	666.2	643.8	604.6	556.4	507.8	436.0	376.8	242.7	63.9	17.3
15°	926.1	918.3	884.2	828.5	763.0	686.6	590.5	490.9	298.4	60.4	12.9
17.5°	1100.6	1096.3	1066.9	1008.5	933.2	835.9	722.2	597.9	344.3	52.9	9.0
20°	1208.0	1201.8	1174.3	1124.9	1046.1	944.6	809.7	666.2	370.9	43.5	5.9
21°	1235.9	1229.6	1207.6	1156.3	1081.0	972.0	833.6	682.6	376.0	39.2	4.7
22°	1262.1	1255.9	1232.7	1187.3	1112.8	999.1	852.4	695.2	375.2	35.7	3.5
23°	1284.1	1277.4	1254.7	1212.7	1137.9	1023.0	866.5	701.5	370.1	32.2	2.7
24°	1295.5	1291.6	1271.2	1231.6	1158.2	1039.8	876.3	703.8	363.9	28.6	2.0
25°	1302.1	1297.4	1277.4	1241.0	1171.6	1053.2	882.6	701.8	351.3	25.5	1.2
26°	1309.2	1302.1	1279.4	1244.1	1178.6	1059.4	883.0	696.8	338.0	22.7	0.4
27°	1315.5	1308.8	1285.3	1246.5	1179.8	1057.5	879.9	686.9	321.9	20.0	0.4
28°	1329.2	1321.7	1294.7	1251.6	1181.0	1052.4	870.1	673.6	300.7	17.6	0.0
29°	1347.2	1339.4	1308.4	1263.7	1183.7	1046.9	856.7	656.0	282.3	15.7	0.0
30°	1362.1	1355.1	1326.5	1279.0	1190.8	1041.8	841.0	632.1	257.2	13.3	0.0
31°	1373.1	1366.1	1339.8	1291.9	1197.1	1037.1	821.4	607.4	234.5	11.8	0.0
32°	1375.9	1370.0	1345.3	1297.4	1197.1	1030.0	803.4	579.5	212.1	9.8	0.0
33°	1374.7	1368.8	1343.7	1293.5	1186.5	1013.2	781.4	546.2	186.6	8.6	0.0
34°	1370.4	1363.3	1336.6	1281.0	1165.7	984.5	749.7	512.9	160.0	7.1	0.0
35°	1359.8	1353.5	1324.5	1257.4	1133.5	941.0	707.3	474.4	132.5	5.9	0.0
36°	1349.6	1340.2	1304.5	1228.4	1091.2	896.3	656.8	430.1	109.0	4.7	0.0
37°	1330.8	1317.4	1281.4	1186.5	1031.2	833.2	599.1	381.5	91.4	3.5	0.0
38°	1305.7	1287.6	1241.8	1137.9	970.8	774.0	545.0	337.6	76.9	2.4	0.0
39°	1266.9	1245.7	1183.3	1071.2	901.0	705.4	483.1	290.9	65.5	1.6	0.0
40°	1208.8	1188.8	1119.8	992.0	831.6	629.7	419.5	238.4	55.7	0.8	0.0
42.5°	1006.5	979.1	899.1	772.0	614.8	452.9	277.6	132.5	36.9	0.0	0.0
45°	748.9	724.6	646.2	530.5	409.7	277.2	148.6	78.0	22.7	0.0	0.0
47.5°	423.1	420.3	369.4	304.7	228.6	147.4	75.3	47.1	9.8	0.0	0.0
50°	227.4	213.3	183.9	139.6	95.3	64.3	40.8	25.9	2.0	0.0	0.0
52.5°	83.1	80.4	67.4	56.1	43.1	29.4	20.8	11.4	0.0	0.0	0.0
55°	11.0	10.2	10.6	11.4	11.8	10.2	6.7	2.4	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°	31.0	31.0	31.0	31.0
2.5°	23.9	18.4	15.7	15.3
5°	16.5	10.2	7.4	7.1
7.5°	11.4	5.1	3.5	3.1
10°	6.7	2.4	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)