

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: P1310428

Luminaire Tested: LDSQA3D13R609035DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310428
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R609035DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

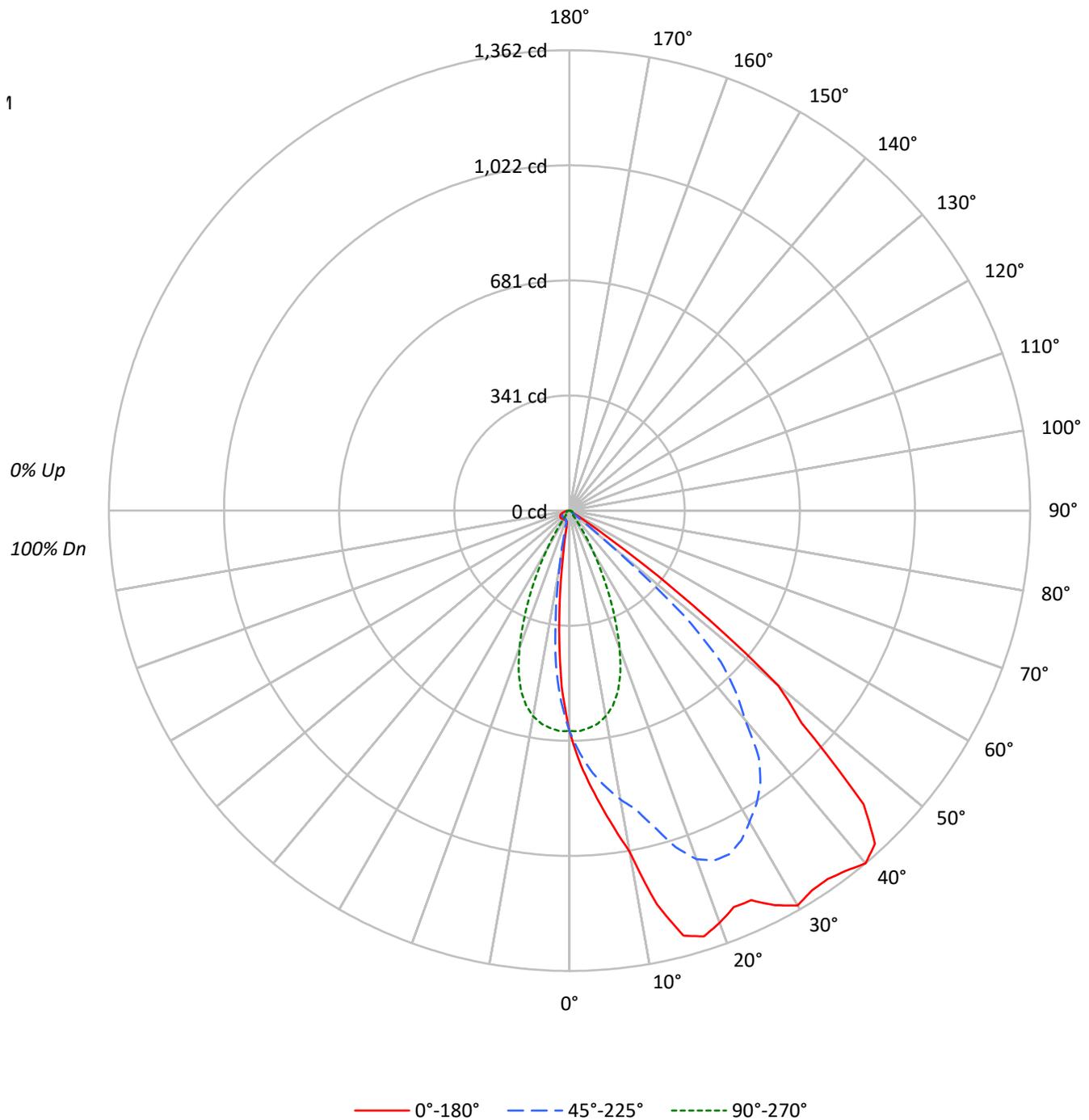
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1059.0 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	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	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	112272	112272	112272	112272	112272
5°	145029	134657	111664	79508	60664
10°	179216	151778	108058	30079	8919
15°	232108	172735	98581	6597	5884
20°	237855	201200	79340	5498	5682
25°	241676	212982	53207	5321	5701
30°	268230	211553	27443	5369	5966
35°	279794	206839	7569	5677	6518
40°	306161	181408	3597	6070	7194
45°	299530	154149	3653	6576	8037
50°	215925	38046	4019	7234	8842
55°	41436	2402	4204	7807	9909
60°	2067	2411	4133	8267	10678
65°	2038	2445	4075	8558	11410
70°	2014	2518	4028	8560	11582
75°	1996	2662	3993	8650	11978
80°	992	2975	3967	8926	11901
85°	1976	1976	3952	7904	11856

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 299530 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	5.4
10°-20°	156.5	14.8
20°-30°	240.9	22.7
30°-40°	282.7	26.7
40°-50°	226.7	21.4
50°-60°	70.4	6.6
60°-70°	13.3	1.3
70°-80°	8.8	0.8
80°-90°	3.1	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°	454.1	42.9
0°-40°	736.8	69.6
0°-60°	1033.8	97.6
0°-90°	1059.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1059.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	652	652	652	652	652	
5°	839	779	646	460	351	86
15°	1302	969	553	37	33	357
25°	1272	1121	280	28	30	600
35°	1331	984	36	27	31	842
45°	1230	633	15	27	33	880
55°	138	8	14	26	33	218
65°	5	6	10	21	28	5
75°	3	4	6	13	18	3
85°	1	1	2	4	6	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°	651.9	651.9	651.9	651.9	651.9	651.9	651.9	651.9	651.9	651.9	651.9
2.5°	751.9	743.9	743.9	740.9	737.9	738.9	730.9	733.9	725.9	719.9	714.9
5°	838.9	828.9	827.9	822.9	817.9	813.9	803.9	797.9	785.9	778.9	763.9
7.5°	928.8	920.8	915.8	909.8	900.8	890.8	873.8	862.9	843.9	824.9	805.9
10°	1024.8	1017.8	1006.8	999.8	974.8	958.8	935.8	920.8	892.8	867.9	838.9
12.5°	1192.8	1188.8	1167.8	1153.8	1117.8	1085.8	1035.8	995.8	945.8	904.8	865.9
15°	1301.8	1296.8	1285.8	1272.8	1249.8	1213.8	1168.8	1112.8	1042.8	968.8	902.8
17.5°	1320.8	1321.8	1314.8	1311.8	1296.8	1273.8	1237.8	1195.8	1125.8	1043.8	953.8
20°	1297.8	1305.8	1303.8	1309.8	1312.8	1303.8	1279.8	1238.8	1177.8	1097.8	996.8
22.5°	1269.8	1276.8	1274.8	1285.8	1302.8	1311.8	1303.8	1270.8	1208.8	1119.8	1020.8
25°	1271.8	1276.8	1261.8	1268.8	1290.8	1312.8	1313.8	1284.8	1217.8	1120.8	1018.8
27.5°	1315.8	1300.8	1266.8	1263.8	1290.8	1318.8	1320.8	1284.8	1204.8	1099.8	998.8
30°	1348.8	1337.8	1299.8	1294.8	1320.8	1339.8	1329.8	1273.8	1173.8	1063.8	969.8
32.5°	1332.8	1334.8	1318.8	1334.8	1368.8	1376.8	1334.8	1247.8	1130.8	1028.8	935.8
35°	1330.8	1338.8	1347.8	1372.8	1395.8	1376.8	1309.8	1198.8	1084.8	983.8	882.8
37.5°	1342.8	1355.8	1368.8	1390.8	1390.8	1341.8	1243.8	1136.8	1029.8	919.8	772.9
40°	1361.8	1369.8	1373.8	1371.8	1344.8	1272.8	1168.8	1061.8	959.8	806.9	699.9
42.5°	1336.8	1335.8	1331.8	1314.8	1264.8	1170.8	1073.8	986.8	825.9	727.9	605.9
45°	1229.8	1229.8	1218.8	1191.8	1145.8	1067.8	981.8	854.9	752.9	632.9	449.9
47.5°	930.8	923.8	935.8	951.8	951.8	944.8	866.9	756.9	652.9	456.9	144.0
50°	805.9	794.9	779.9	782.9	780.9	788.9	738.9	655.9	482.9	142.0	10.0
52.5°	455.9	475.9	524.9	593.9	624.9	635.9	604.9	498.9	163.0	9.0	8.0
55°	138.0	142.0	161.0	198.0	269.0	343.9	348.9	162.0	11.0	8.0	8.0
57.5°	6.0	6.0	8.0	12.0	28.0	42.0	45.0	10.0	7.0	8.0	8.0
60°	6.0	6.0	6.0	6.0	6.0	6.0	7.0	7.0	7.0	7.0	8.0
62.5°	5.0	5.0	6.0	6.0	6.0	6.0	6.0	6.0	7.0	7.0	7.0
65°	5.0	5.0	5.0	5.0	5.0	5.0	6.0	6.0	6.0	6.0	7.0
67.5°	4.0	4.0	4.0	5.0	5.0	5.0	5.0	5.0	6.0	6.0	6.0
70°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	5.0	5.0
72.5°	3.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0	4.0	5.0
75°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	4.0	4.0	4.0	4.0
77.5°	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0
80°	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0	3.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
87.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	651.9	651.9	651.9	651.9	651.9	651.9	651.9	651.9
2.5°	707.9	699.9	690.9	652.9	615.9	565.9	531.9	521.9
5°	750.9	737.9	717.9	645.9	558.9	459.9	379.9	350.9
7.5°	786.9	766.9	738.9	635.9	490.9	311.9	201.0	170.0
10°	812.9	787.9	751.9	617.9	400.9	172.0	68.0	51.0
12.5°	834.9	801.9	758.9	590.9	291.9	70.0	35.0	35.0
15°	849.9	809.9	761.9	552.9	189.0	37.0	33.0	33.0
17.5°	870.8	818.9	761.9	499.9	103.0	32.0	32.0	32.0
20°	904.8	827.9	750.9	432.9	57.0	30.0	31.0	31.0
22.5°	922.8	840.9	736.9	354.9	36.0	29.0	30.0	30.0
25°	926.8	838.9	706.9	280.0	29.0	28.0	29.0	30.0
27.5°	912.8	824.9	666.9	204.0	26.0	27.0	29.0	30.0
30°	887.8	790.9	602.9	138.0	24.0	27.0	29.0	30.0
32.5°	840.9	708.9	527.9	83.0	23.0	27.0	29.0	31.0
35°	735.9	622.9	441.9	36.0	22.0	27.0	30.0	31.0
37.5°	659.9	536.9	341.9	18.0	22.0	27.0	30.0	32.0
40°	575.9	431.9	158.0	16.0	22.0	27.0	30.0	32.0
42.5°	438.9	200.0	19.0	16.0	21.0	27.0	31.0	32.0
45°	160.0	21.0	10.0	15.0	21.0	27.0	31.0	33.0
47.5°	12.0	8.0	9.0	15.0	21.0	27.0	31.0	33.0
50°	8.0	8.0	9.0	15.0	21.0	27.0	31.0	33.0
52.5°	8.0	9.0	9.0	14.0	20.0	27.0	31.0	33.0
55°	8.0	9.0	9.0	14.0	20.0	26.0	31.0	33.0
57.5°	8.0	8.0	9.0	13.0	19.0	25.0	31.0	32.0
60°	8.0	8.0	9.0	12.0	18.0	24.0	29.0	31.0
62.5°	8.0	8.0	8.0	11.0	17.0	23.0	28.0	30.0
65°	7.0	7.0	8.0	10.0	15.0	21.0	26.0	28.0
67.5°	6.0	7.0	7.0	9.0	14.0	19.0	24.0	26.0
70°	6.0	6.0	6.0	8.0	12.0	17.0	22.0	23.0
72.5°	5.0	5.0	6.0	7.0	11.0	15.0	20.0	21.0
75°	4.0	5.0	5.0	6.0	9.0	13.0	17.0	18.0
77.5°	4.0	4.0	4.0	5.0	8.0	11.0	14.0	15.0
80°	3.0	3.0	3.0	4.0	6.0	9.0	11.0	12.0
82.5°	2.0	3.0	3.0	3.0	5.0	6.0	8.0	9.0
85°	2.0	2.0	2.0	2.0	3.0	4.0	5.0	6.0
87.5°	1.0	1.0	2.0	2.0	2.0	2.0	2.0	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)