

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: P1309133

Luminaire Tested: LDSQA3D09R559030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309133
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R559030DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

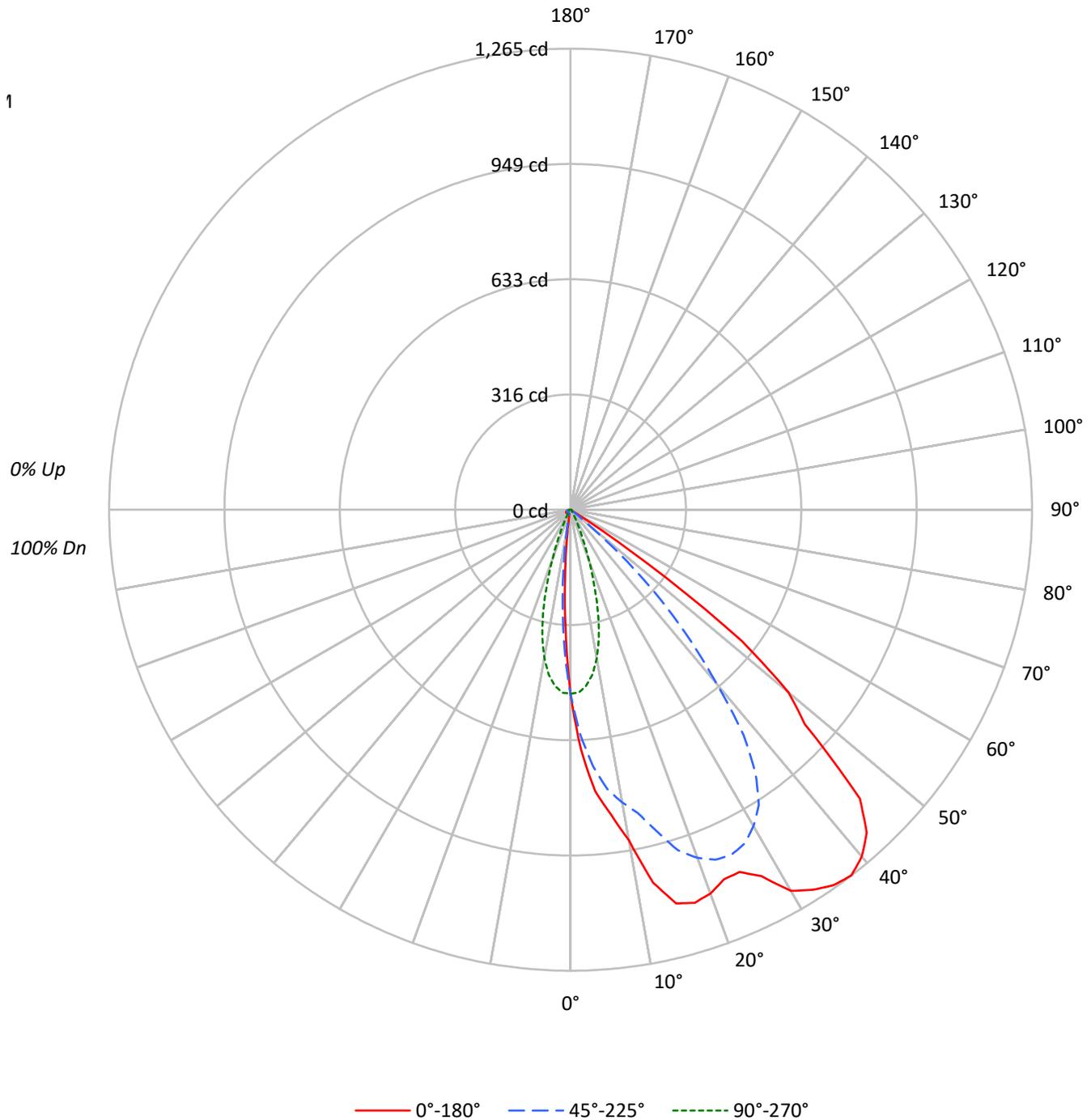
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 842.0 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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				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	110	107	104	102	103	100	98	99	97	95	95	94	93	93	93	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	83	83	83	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	75	75	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	61	61	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	55	55	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	50	50	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	45	45	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	41	41	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	38	38	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	86921	86921	86921	86921	86921
5°	134034	122019	83951	43116	28318
10°	161029	142614	72260	10878	4354
15°	199391	162875	51635	2995	2354
20°	205360	186318	26667	2016	2016
25°	208345	198464	10699	1805	2090
30°	240130	199403	4653	1889	2188
35°	264341	185920	1997	1997	2460
40°	279205	139928	1147	2293	2630
45°	273079	85514	1072	2484	3215
50°	208906	18219	1179	2947	3724
55°	76657	661	1321	3303	4174
60°	758	758	1516	3789	4788
65°	897	897	1793	3871	5053
70°	755	1108	1863	4431	5891
75°	466	998	1930	4858	6787
80°	694	1488	2182	5058	7240
85°	0	1383	2964	5730	7311

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 273079 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.4	5.3
10°-20°	127.2	15.1
20°-30°	195.2	23.2
30°-40°	227.4	27.0
40°-50°	181.7	21.6
50°-60°	53.8	6.4
60°-70°	5.8	0.7
70°-80°	4.5	0.5
80°-90°	1.9	0.2
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°	366.8	43.6
0°-40°	594.3	70.6
0°-60°	829.8	98.5
0°-90°	842.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	842.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	505	505	505	505	505	
5°	775	706	486	249	164	77
15°	1118	914	290	17	13	309
25°	1096	1044	56	10	11	521
35°	1257	884	10	10	12	783
45°	1121	351	4	10	13	808
55°	255	2	4	11	14	270
65°	2	2	4	10	12	2
75°	1	2	3	7	10	1
85°	0	1	2	3	4	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°	504.7	504.7	504.7	504.7	504.7	504.7	504.7	504.7	504.7	504.7	504.7
2.5°	658.3	658.3	656.1	656.8	655.3	647.3	645.8	635.6	626.8	617.3	609.3
5°	775.3	776.7	774.6	770.2	764.3	758.5	746.0	736.5	724.1	705.8	689.0
7.5°	841.8	840.4	836.7	835.3	831.6	825.0	816.2	806.0	791.4	773.1	753.3
10°	920.8	908.4	904.7	898.9	887.2	874.0	858.7	844.8	832.3	815.5	794.3
12.5°	1048.1	1045.9	1031.3	1020.3	1004.2	975.0	948.6	917.9	881.3	852.1	824.3
15°	1118.3	1119.8	1113.2	1104.4	1094.2	1070.0	1043.7	1007.9	964.7	913.5	868.2
17.5°	1130.7	1132.9	1129.3	1125.6	1122.7	1108.8	1092.7	1067.1	1027.6	980.1	912.8
20°	1120.5	1124.9	1125.6	1130.0	1135.9	1130.0	1116.8	1099.3	1066.4	1016.6	952.3
22.5°	1097.8	1105.9	1111.7	1127.1	1142.4	1142.4	1134.4	1120.5	1088.3	1039.3	973.5
25°	1096.4	1097.8	1100.0	1124.9	1149.0	1154.1	1146.8	1132.2	1097.1	1044.4	972.8
27.5°	1132.9	1123.4	1108.8	1133.7	1162.2	1166.6	1156.3	1136.6	1094.9	1032.7	947.9
30°	1207.5	1186.3	1155.6	1173.9	1193.6	1188.5	1168.0	1136.6	1080.3	1002.7	901.1
32.5°	1236.1	1224.4	1213.4	1233.1	1236.8	1215.6	1179.0	1132.2	1056.9	960.3	824.3
35°	1257.3	1258.0	1253.6	1257.3	1239.7	1209.7	1169.5	1108.1	1013.0	884.3	722.6
37.5°	1264.6	1266.1	1256.5	1243.4	1217.0	1182.7	1134.4	1064.2	939.8	779.7	569.0
40°	1241.9	1237.5	1222.2	1203.9	1175.4	1140.3	1087.6	983.0	830.9	622.4	444.0
42.5°	1201.7	1194.4	1176.1	1154.1	1124.2	1079.5	995.4	868.9	675.1	485.6	310.8
45°	1121.2	1116.1	1093.4	1077.4	1041.5	983.7	875.5	716.0	522.2	351.1	179.9
47.5°	871.1	871.8	889.4	897.4	885.0	838.9	711.7	544.2	381.1	209.2	60.7
50°	779.7	776.0	758.5	734.3	694.1	625.3	522.2	384.7	225.3	68.0	8.8
52.5°	591.7	591.7	582.9	570.5	528.1	461.5	353.3	212.8	79.0	11.7	2.2
55°	255.3	242.1	249.4	263.3	252.3	219.4	165.3	63.6	13.9	2.2	2.2
57.5°	3.7	8.8	13.2	21.2	28.5	34.4	18.3	6.6	2.2	2.2	2.2
60°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
62.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
65°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
67.5°	1.5	1.5	1.5	2.2	1.5	2.2	2.2	2.2	2.2	2.2	2.2
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2	2.2
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
75°	0.7	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	1.5	1.5	1.5
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	1.5
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
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°	504.7	504.7	504.7	504.7	504.7	504.7	504.7	504.7
2.5°	597.6	585.1	564.6	502.5	438.1	378.9	336.4	320.4
5°	670.0	647.3	612.9	485.6	357.7	249.4	188.0	163.8
7.5°	727.0	697.8	648.0	456.4	262.6	133.1	79.7	62.9
10°	765.0	732.9	667.8	413.2	174.1	62.2	30.0	24.9
12.5°	792.8	752.6	675.1	357.7	102.4	28.5	16.1	14.6
15°	813.3	761.4	666.3	289.6	56.3	16.8	13.2	13.2
17.5°	841.8	765.8	645.1	213.6	32.2	12.4	12.4	12.4
20°	863.8	765.8	604.9	145.5	19.7	11.0	11.0	11.0
22.5°	874.8	754.1	555.9	92.2	13.9	10.2	11.0	11.0
25°	863.8	725.5	493.0	56.3	11.0	9.5	10.2	11.0
27.5°	823.6	668.5	408.9	35.8	8.8	9.5	10.2	11.0
30°	756.3	585.9	313.8	23.4	8.0	9.5	10.2	11.0
32.5°	661.2	463.0	203.3	15.4	7.3	9.5	10.2	11.0
35°	516.4	327.7	122.9	9.5	7.3	9.5	11.0	11.7
37.5°	386.9	218.7	66.6	5.9	7.3	9.5	11.0	11.7
40°	268.4	127.3	28.5	5.1	7.3	10.2	11.7	11.7
42.5°	155.8	50.5	7.3	4.4	7.3	10.2	11.7	12.4
45°	57.0	10.2	2.2	4.4	8.0	10.2	11.7	13.2
47.5°	8.0	2.2	2.2	4.4	8.0	10.2	12.4	13.2
50°	2.2	2.2	2.2	4.4	8.0	11.0	13.2	13.9
52.5°	2.2	2.2	2.2	4.4	8.0	11.0	13.2	13.9
55°	2.2	2.2	2.2	4.4	8.0	11.0	13.2	13.9
57.5°	2.2	2.2	2.2	4.4	8.0	11.0	13.2	13.9
60°	2.2	2.2	2.2	4.4	7.3	11.0	13.2	13.9
62.5°	2.2	2.2	2.2	4.4	7.3	10.2	12.4	13.2
65°	2.2	2.2	2.2	4.4	6.6	9.5	12.4	12.4
67.5°	2.2	2.2	2.2	3.7	6.6	9.5	11.7	12.4
70°	2.2	2.2	2.2	3.7	5.9	8.8	11.0	11.7
72.5°	2.2	2.2	2.2	2.9	5.1	8.0	10.2	11.0
75°	1.5	2.2	2.2	2.9	5.1	7.3	9.5	10.2
77.5°	1.5	2.2	2.2	2.2	4.4	5.9	8.0	8.8
80°	1.5	1.5	2.2	2.2	3.7	5.1	6.6	7.3
82.5°	1.5	1.5	1.5	2.2	2.9	3.7	5.1	5.1
85°	1.5	1.5	1.5	1.5	2.2	2.9	3.7	3.7
87.5°	0.7	0.7	1.5	1.5	1.5	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)