

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: P1310251

Luminaire Tested: LDSQA3D09R559035DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310251
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: LDSQA3D09R559035DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

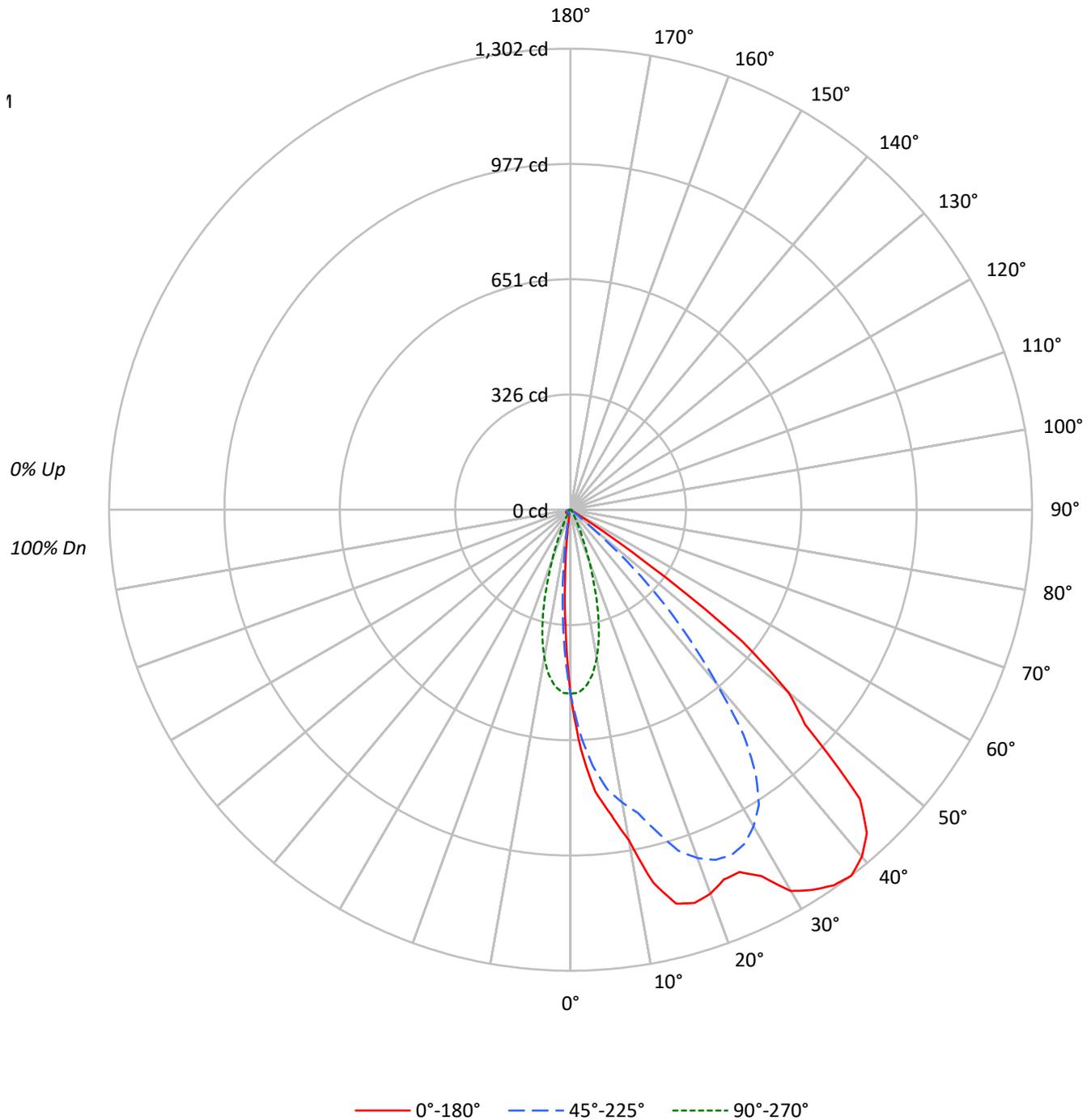
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 867.0 lumens
Efficiency: N/A
Efficacy: 78.1 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 (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

TEST NUMBER: P1310251
CATALOG NUMBER: LDSQA3D09R559035DE010 3LSQCA30R 1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	89487	89487	89487	89487	89487
5°	138011	125650	86458	44396	29165
10°	165821	146846	74411	11192	4477
15°	205310	167707	53168	3085	2425
20°	211463	191853	27473	2071	2071
25°	214521	204355	11022	1862	2147
30°	247269	205329	4793	1949	2247
35°	272183	191428	2060	2060	2523
40°	287501	144088	1192	2361	2698
45°	281190	88047	1096	2557	3312
50°	215095	18755	1206	3028	3831
55°	78909	691	1351	3393	4294
60°	792	792	1550	3892	4926
65°	937	937	1834	3994	5216
70°	755	1158	1913	4532	6043
75°	532	998	1996	4991	6987
80°	793	1488	2281	5256	7438
85°	0	1581	2964	5928	7509

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 281190 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.8	5.3
10°-20°	131.0	15.1
20°-30°	201.0	23.2
30°-40°	234.2	27.0
40°-50°	187.1	21.6
50°-60°	55.4	6.4
60°-70°	6.0	0.7
70°-80°	4.7	0.5
80°-90°	2.0	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°	377.7	43.6
0°-40°	611.9	70.6
0°-60°	854.4	98.5
0°-90°	867.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	867.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	520	520	520	520	520	
5°	798	727	500	257	169	80
15°	1152	941	298	17	14	318
25°	1129	1075	58	10	11	536
35°	1295	910	10	10	12	806
45°	1154	362	4	10	14	832
55°	263	2	4	11	14	278
65°	2	2	4	10	13	2
75°	1	2	3	8	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°	519.6	519.6	519.6	519.6	519.6	519.6	519.6	519.6	519.6	519.6	519.6
2.5°	677.8	677.8	675.5	676.3	674.8	666.5	665.0	654.5	645.4	635.6	627.3
5°	798.3	799.8	797.5	793.0	787.0	781.0	768.2	758.4	745.6	726.8	709.4
7.5°	866.8	865.3	861.6	860.1	856.3	849.5	840.5	829.9	814.9	796.0	775.7
10°	948.2	935.4	931.6	925.6	913.5	900.0	884.2	869.8	857.0	839.7	817.9
12.5°	1079.2	1077.0	1061.9	1050.6	1034.0	1003.9	976.8	945.2	907.5	877.4	848.8
15°	1151.5	1153.0	1146.2	1137.2	1126.7	1101.8	1074.7	1037.8	993.4	940.6	893.9
17.5°	1164.3	1166.6	1162.8	1159.0	1156.0	1141.7	1125.2	1098.8	1058.1	1009.2	939.9
20°	1153.8	1158.3	1159.0	1163.6	1169.6	1163.6	1150.0	1131.9	1098.0	1046.8	980.6
22.5°	1130.4	1138.7	1144.7	1160.6	1176.4	1176.4	1168.1	1153.8	1120.6	1070.2	1002.4
25°	1128.9	1130.4	1132.7	1158.3	1183.1	1188.4	1180.9	1165.8	1129.7	1075.4	1001.6
27.5°	1166.6	1156.8	1141.7	1167.3	1196.7	1201.2	1190.7	1170.3	1127.4	1063.4	976.0
30°	1243.4	1221.6	1189.9	1208.8	1229.1	1223.8	1202.7	1170.3	1112.4	1032.5	927.8
32.5°	1272.8	1260.7	1249.4	1269.8	1273.5	1251.7	1214.0	1165.8	1088.3	988.8	848.8
35°	1294.6	1295.4	1290.8	1294.6	1276.5	1245.7	1204.2	1141.0	1043.1	910.5	744.1
37.5°	1302.1	1303.6	1293.9	1280.3	1253.2	1217.8	1168.1	1095.8	967.8	802.8	585.9
40°	1278.8	1274.3	1258.5	1239.6	1210.3	1174.1	1119.9	1012.2	855.5	640.9	457.1
42.5°	1237.4	1229.8	1211.0	1188.4	1157.5	1111.6	1025.0	894.7	695.1	500.1	320.1
45°	1154.5	1149.3	1125.9	1109.3	1072.4	1012.9	901.5	737.3	537.7	361.5	185.3
47.5°	897.0	897.7	915.8	924.1	911.3	863.8	732.8	560.3	392.4	215.4	62.5
50°	802.8	799.1	781.0	756.1	714.7	643.9	537.7	396.1	232.0	70.0	9.0
52.5°	609.3	609.3	600.2	587.4	543.7	475.2	363.8	219.2	81.3	12.0	2.3
55°	262.8	249.3	256.8	271.1	259.8	225.9	170.2	65.5	14.3	2.3	2.3
57.5°	3.8	9.0	13.6	21.8	29.4	35.4	18.8	6.8	2.3	2.3	2.3
60°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
62.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
65°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
67.5°	1.5	1.5	1.5	2.3	1.5	2.3	2.3	2.3	2.3	2.3	2.3
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3
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°	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	519.6	519.6	519.6	519.6	519.6	519.6	519.6	519.6
2.5°	615.3	602.5	581.4	517.4	451.1	390.1	346.4	329.9
5°	689.9	666.5	631.1	500.1	368.3	256.8	193.6	168.7
7.5°	748.6	718.5	667.3	469.9	270.4	137.1	82.1	64.8
10°	787.8	754.6	687.6	425.5	179.2	64.0	30.9	25.6
12.5°	816.4	775.0	695.1	368.3	105.4	29.4	16.6	15.1
15°	837.5	784.0	686.1	298.2	58.0	17.3	13.6	13.6
17.5°	866.8	788.5	664.2	219.9	33.1	12.8	12.8	12.8
20°	889.4	788.5	622.8	149.9	20.3	11.3	11.3	11.3
22.5°	900.7	776.5	572.4	94.9	14.3	10.5	11.3	11.3
25°	889.4	747.1	507.6	58.0	11.3	9.8	10.5	11.3
27.5°	848.0	688.3	421.0	36.9	9.0	9.8	10.5	11.3
30°	778.7	603.2	323.1	24.1	8.3	9.8	10.5	11.3
32.5°	680.8	476.7	209.4	15.8	7.5	9.8	10.5	11.3
35°	531.7	337.4	126.5	9.8	7.5	9.8	11.3	12.0
37.5°	398.4	225.2	68.5	6.0	7.5	9.8	11.3	12.0
40°	276.4	131.0	29.4	5.3	7.5	10.5	12.0	12.0
42.5°	160.4	52.0	7.5	4.5	7.5	10.5	12.0	12.8
45°	58.7	10.5	2.3	4.5	8.3	10.5	12.0	13.6
47.5°	8.3	2.3	2.3	4.5	8.3	10.5	12.8	13.6
50°	2.3	2.3	2.3	4.5	8.3	11.3	13.6	14.3
52.5°	2.3	2.3	2.3	4.5	8.3	11.3	13.6	14.3
55°	2.3	2.3	2.3	4.5	8.3	11.3	13.6	14.3
57.5°	2.3	2.3	2.3	4.5	8.3	11.3	13.6	14.3
60°	2.3	2.3	2.3	4.5	7.5	11.3	13.6	14.3
62.5°	2.3	2.3	2.3	4.5	7.5	10.5	12.8	13.6
65°	2.3	2.3	2.3	4.5	6.8	9.8	12.8	12.8
67.5°	2.3	2.3	2.3	3.8	6.8	9.8	12.0	12.8
70°	2.3	2.3	2.3	3.8	6.0	9.0	11.3	12.0
72.5°	2.3	2.3	2.3	3.0	5.3	8.3	10.5	11.3
75°	1.5	2.3	2.3	3.0	5.3	7.5	9.8	10.5
77.5°	1.5	2.3	2.3	2.3	4.5	6.0	8.3	9.0
80°	1.5	1.5	2.3	2.3	3.8	5.3	6.8	7.5
82.5°	1.5	1.5	1.5	2.3	3.0	3.8	5.3	5.3
85°	1.5	1.5	1.5	1.5	2.3	3.0	3.8	3.8
87.5°	0.8	0.8	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)