

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: P1310242

Luminaire Tested: LDSQA3D09R509035DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310242
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-65)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R509035DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

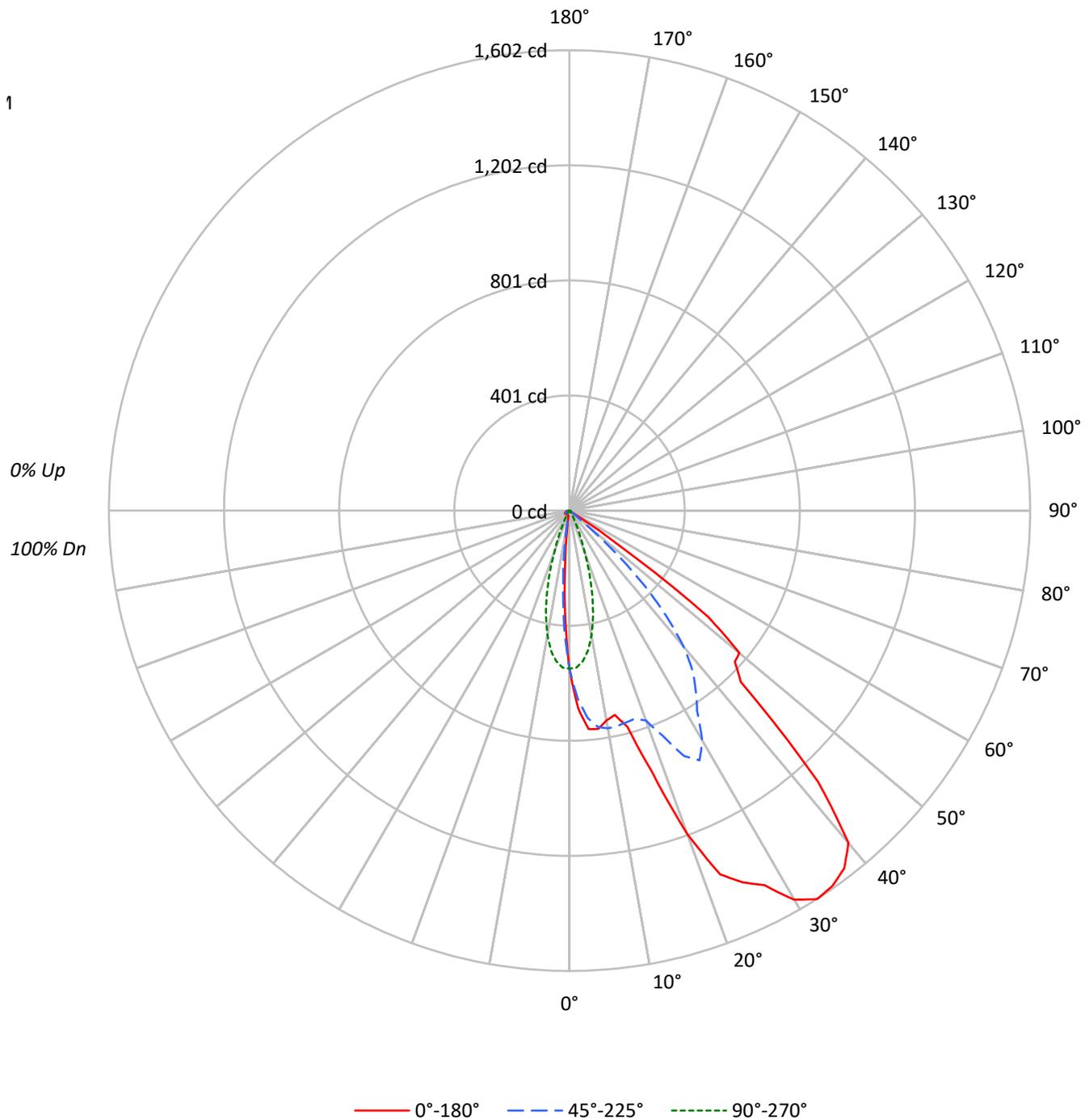
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 855.0 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.54 / 1.2
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				
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	101	102	100	98	99	97	95	95	94	92	95	94	92	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	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	68	61	55	66	60	55	64	59	55	63	58	54	63	58	54	53
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	42	38	60	49	42	38	48	42	38	47	42	37	46	41	37	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	94671	94671	94671	94671	94671
5°	131994	125235	90987	43739	28387
10°	129586	134587	76912	9216	3952
15°	138965	136006	54381	3227	3085
20°	219436	142423	28701	2767	2896
25°	271149	178872	11440	2584	2869
30°	310867	183434	4634	2545	3003
35°	335152	161006	2060	2691	3322
40°	339254	138647	1529	3058	3732
45°	205053	89873	1461	3312	4214
50°	206601	15540	1608	3831	4850
55°	61043	901	1802	4294	5435
60°	1033	1033	1826	4684	5959
65°	937	937	1834	4890	6439
70°	1158	1158	1913	5287	7201
75°	998	998	1996	5523	7519
80°	793	1488	2281	5256	8232
85°	1581	2964	2964	5928	7509

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 234207 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.5	5.2
10°-20°	110.4	12.9
20°-30°	206.8	24.2
30°-40°	247.2	28.9
40°-50°	177.2	20.7
50°-60°	54.6	6.4
60°-70°	7.1	0.8
70°-80°	5.2	0.6
80°-90°	2.1	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°	361.6	42.3
0°-40°	608.8	71.2
0°-60°	840.6	98.3
0°-90°	855.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	855.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	550	550	550	550	550	
5°	764	724	526	253	164	71
15°	779	763	305	18	17	250
25°	1427	941	60	14	15	657
35°	1594	766	10	13	16	989
45°	842	369	6	14	17	773
55°	203	3	6	14	18	262
65°	2	2	4	12	16	3
75°	2	2	3	8	11	1
85°	1	2	2	3	4	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°	549.7	549.7	549.7	549.7	549.7	549.7	549.7	549.7	549.7	549.7	549.7
2.5°	687.5	689.0	691.3	685.2	681.5	678.5	673.2	671.7	658.9	653.6	648.3
5°	763.5	762.0	763.5	761.3	759.8	755.3	750.7	743.2	734.9	724.4	712.3
7.5°	765.8	764.3	767.3	767.3	770.3	770.3	770.3	771.1	766.6	759.0	748.5
10°	741.0	741.0	744.0	742.5	747.7	750.0	755.3	764.3	768.8	769.6	766.6
12.5°	728.2	728.2	728.9	725.9	727.4	729.7	735.7	746.2	756.8	767.3	773.3
15°	779.4	780.9	770.3	755.3	744.0	731.9	728.2	734.9	746.2	762.8	776.3
17.5°	953.3	955.6	944.3	908.1	873.5	823.8	779.4	757.5	745.5	759.0	777.1
20°	1197.3	1189.0	1169.4	1131.0	1080.6	1003.8	934.5	864.4	797.4	777.1	783.1
22.5°	1369.7	1366.7	1350.9	1308.0	1264.3	1192.8	1104.7	1006.8	909.6	847.9	815.5
25°	1426.9	1424.7	1410.4	1384.8	1360.7	1306.5	1227.4	1128.8	1027.1	941.3	859.9
27.5°	1469.9	1466.8	1444.3	1415.6	1390.8	1335.8	1263.5	1189.0	1095.6	979.7	854.7
30°	1563.2	1555.0	1523.3	1472.1	1424.7	1348.6	1268.8	1176.2	1049.7	922.4	800.4
32.5°	1602.4	1597.9	1570.8	1529.3	1477.4	1378.0	1256.8	1101.6	935.2	825.3	736.4
35°	1594.1	1587.3	1559.5	1512.0	1448.8	1353.1	1191.3	978.2	842.6	765.8	665.7
37.5°	1569.3	1559.5	1526.3	1470.6	1393.8	1268.8	1057.2	878.0	790.7	704.1	569.3
40°	1509.0	1493.2	1454.8	1396.8	1320.0	1155.9	935.2	817.8	736.4	616.7	461.6
42.5°	1278.6	1270.3	1289.1	1279.4	1211.6	1018.1	848.6	762.8	650.6	498.5	334.3
45°	841.9	856.2	890.0	948.0	961.6	875.7	777.9	672.4	535.4	369.0	192.8
47.5°	779.4	776.3	784.6	795.9	798.2	762.0	673.2	555.7	397.6	210.8	53.5
50°	771.1	766.6	759.8	746.2	717.6	647.6	546.7	405.1	229.7	58.0	3.8
52.5°	609.2	604.7	604.7	585.1	548.2	480.4	377.3	222.9	64.0	3.8	3.0
55°	203.3	216.9	214.6	213.9	230.4	212.3	162.6	57.2	5.3	3.0	3.0
57.5°	3.8	3.8	3.8	6.8	10.5	15.1	9.0	4.5	3.0	3.0	3.0
60°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
62.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
65°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.0
67.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
70°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3
77.5°	0.8	0.8	0.8	0.8	1.5	1.5	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	1.5	1.5	1.5	1.5
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
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°	549.7	549.7	549.7	549.7	549.7	549.7	549.7	549.7
2.5°	636.3	625.7	605.4	547.4	483.4	410.4	360.7	354.7
5°	693.5	677.7	644.6	526.3	380.3	253.0	188.3	164.2
7.5°	731.2	710.1	669.4	491.7	277.1	133.3	71.5	57.2
10°	753.8	734.2	682.2	439.8	176.2	52.7	24.1	22.6
12.5°	765.8	747.0	686.7	377.3	99.4	24.1	18.8	18.8
15°	774.1	753.8	680.0	305.0	49.7	18.1	17.3	17.3
17.5°	777.9	753.0	660.4	229.7	26.4	16.6	16.6	16.6
20°	780.1	744.7	624.2	156.6	18.1	15.1	15.8	15.8
22.5°	782.4	724.4	576.8	99.4	14.3	14.3	15.1	15.1
25°	777.9	689.0	509.8	60.2	12.8	13.6	14.3	15.1
27.5°	745.5	635.5	428.5	36.9	11.3	12.8	14.3	15.1
30°	689.8	557.2	334.3	23.3	10.5	12.8	14.3	15.1
32.5°	617.5	467.6	238.7	14.3	10.5	12.8	14.3	15.1
35°	520.3	357.7	155.1	9.8	10.5	12.8	15.1	15.8
37.5°	411.1	250.0	83.6	7.5	10.5	12.8	15.1	15.8
40°	295.9	149.8	30.1	6.8	9.8	13.6	15.8	16.6
42.5°	173.2	55.7	5.3	6.0	9.8	13.6	15.8	16.6
45°	49.7	6.0	3.0	6.0	9.8	13.6	16.6	17.3
47.5°	3.8	2.3	3.0	6.0	9.8	13.6	16.6	18.1
50°	2.3	2.3	2.3	6.0	9.8	14.3	17.3	18.1
52.5°	3.0	3.0	3.0	6.0	9.8	14.3	17.3	18.1
55°	3.0	3.0	3.0	6.0	9.8	14.3	17.3	18.1
57.5°	3.0	3.0	3.0	6.0	9.8	13.6	17.3	18.1
60°	3.0	3.0	3.0	5.3	9.0	13.6	16.6	17.3
62.5°	3.0	3.0	3.0	5.3	9.0	12.8	16.6	16.6
65°	3.0	3.0	3.0	4.5	8.3	12.0	15.1	15.8
67.5°	3.0	3.0	3.0	4.5	7.5	11.3	14.3	15.1
70°	2.3	3.0	3.0	3.8	6.8	10.5	13.6	14.3
72.5°	2.3	2.3	3.0	3.8	6.0	9.0	12.0	12.8
75°	2.3	2.3	2.3	3.0	5.3	8.3	10.5	11.3
77.5°	2.3	2.3	2.3	3.0	4.5	6.8	9.8	9.8
80°	1.5	2.3	2.3	2.3	3.8	5.3	7.5	8.3
82.5°	1.5	1.5	1.5	2.3	3.0	4.5	6.0	6.0
85°	1.5	1.5	1.5	1.5	2.3	3.0	3.8	3.8
87.5°	0.8	1.5	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)