

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: P1314536

Luminaire Tested: LDSQA3D09R559730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314536
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: LDSQA3D09R559730DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

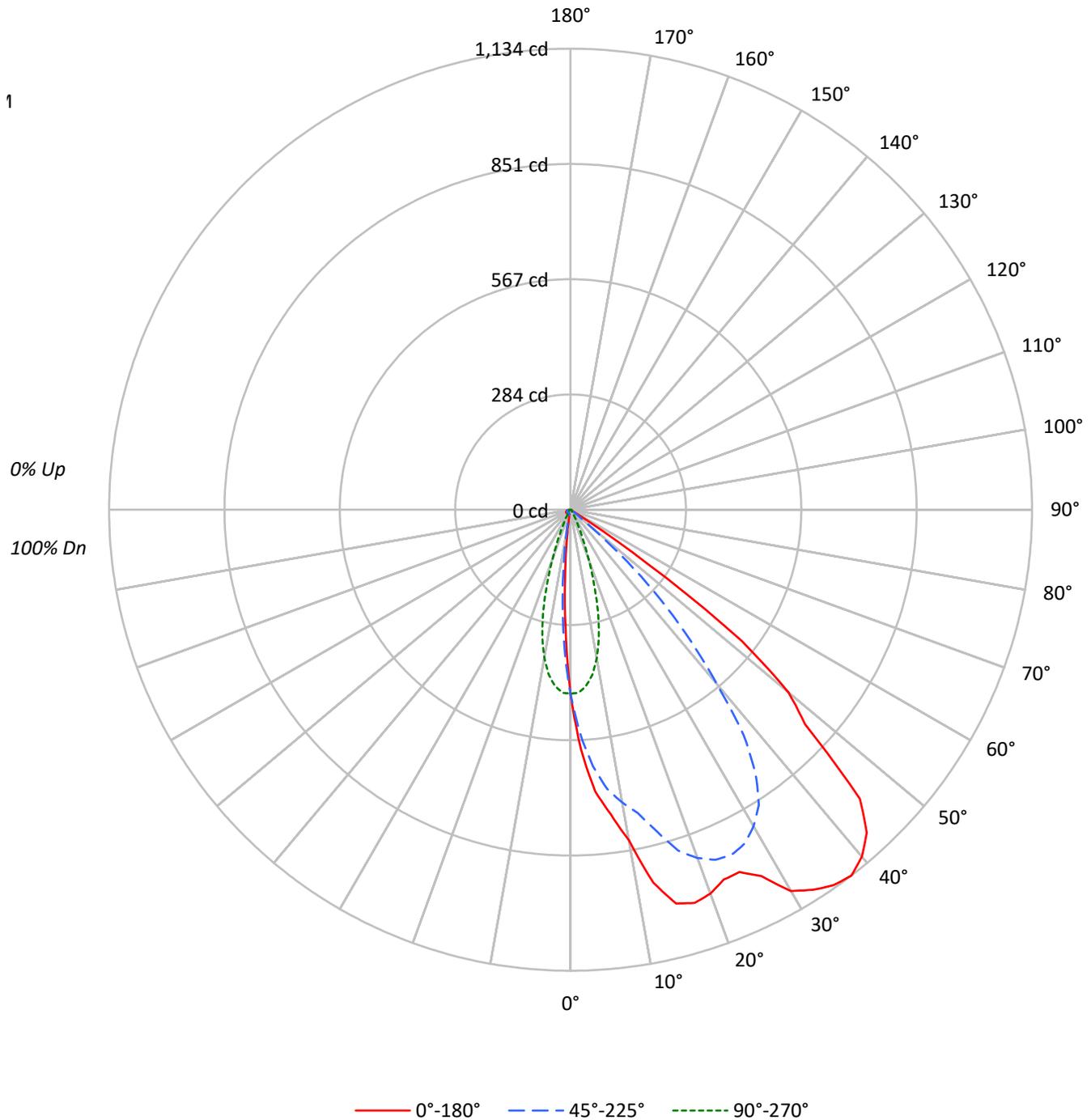
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 755.0 lumens
Efficiency: N/A
Efficacy: 68.0 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				
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°	77931	77931	77931	77931	77931
5°	120187	109416	75289	38656	25396
10°	144398	127872	64793	9741	3900
15°	178797	146044	46304	2692	2104
20°	184137	167074	23917	1796	1796
25°	186815	177960	9596	1615	1862
30°	215332	178800	4176	1690	1949
35°	237030	166703	1787	1787	2208
40°	250360	125472	1034	2068	2361
45°	244875	76673	950	2241	2874
50°	187310	16344	1045	2626	3349
55°	68730	601	1171	2943	3753
60°	689	689	1343	3376	4306
65°	815	815	1589	3464	4523
70°	655	1007	1662	3978	5287
75°	466	865	1730	4392	6122
80°	694	1289	1984	4562	6546
85°	0	1383	2569	5138	6521

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 244875 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.8	5.3
10°-20°	114.1	15.1
20°-30°	175.0	23.2
30°-40°	203.9	27.0
40°-50°	163.0	21.6
50°-60°	48.2	6.4
60°-70°	5.2	0.7
70°-80°	4.0	0.5
80°-90°	1.7	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°	328.9	43.6
0°-40°	532.9	70.6
0°-60°	744.1	98.5
0°-90°	755.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	755.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	452	452	452	452	452	
5°	695	633	436	224	147	69
15°	1003	819	260	15	12	277
25°	983	936	50	8	10	467
35°	1127	793	8	8	10	702
45°	1005	315	4	9	12	725
55°	229	2	4	10	12	242
65°	2	2	4	8	11	2
75°	1	1	3	7	9	1
85°	0	1	1	3	3	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°	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5
2.5°	590.2	590.2	588.3	588.9	587.6	580.4	579.1	569.9	562.0	553.5	546.3
5°	695.2	696.5	694.5	690.6	685.3	680.1	668.9	660.4	649.3	632.9	617.8
7.5°	754.9	753.5	750.3	749.0	745.7	739.8	731.9	722.7	709.6	693.2	675.5
10°	825.7	814.5	811.3	806.0	795.5	783.7	769.9	757.5	746.3	731.2	712.2
12.5°	939.8	937.8	924.7	914.9	900.5	874.2	850.6	823.1	790.3	764.0	739.1
15°	1002.8	1004.1	998.2	990.3	981.1	959.5	935.9	903.7	865.0	819.1	778.5
17.5°	1013.9	1015.9	1012.6	1009.3	1006.7	994.2	979.8	956.9	921.4	878.8	818.5
20°	1004.7	1008.7	1009.3	1013.3	1018.5	1013.3	1001.4	985.7	956.2	911.6	853.9
22.5°	984.4	991.6	996.9	1010.6	1024.4	1024.4	1017.2	1004.7	975.9	931.9	872.9
25°	983.1	984.4	986.4	1008.7	1030.3	1034.9	1028.3	1015.2	983.7	936.5	872.3
27.5°	1015.9	1007.4	994.2	1016.5	1042.1	1046.0	1036.9	1019.2	981.8	926.0	850.0
30°	1082.8	1063.8	1036.2	1052.6	1070.3	1065.7	1047.4	1019.2	968.7	899.1	808.0
32.5°	1108.3	1097.9	1088.0	1105.7	1109.0	1090.0	1057.2	1015.2	947.7	861.1	739.1
35°	1127.4	1128.0	1124.1	1127.4	1111.6	1084.7	1048.7	993.6	908.3	792.9	648.0
37.5°	1133.9	1135.2	1126.7	1114.9	1091.3	1060.5	1017.2	954.2	842.7	699.1	510.2
40°	1113.6	1109.7	1095.9	1079.5	1053.9	1022.4	975.2	881.4	745.0	558.1	398.1
42.5°	1077.5	1071.0	1054.6	1034.9	1008.0	968.0	892.6	779.1	605.3	435.5	278.7
45°	1005.4	1000.8	980.5	966.0	933.9	882.1	785.0	642.1	468.3	314.8	161.3
47.5°	781.1	781.7	797.5	804.7	793.6	752.2	638.1	487.9	341.7	187.6	54.4
50°	699.1	695.8	680.1	658.5	622.4	560.7	468.3	345.0	202.0	61.0	7.9
52.5°	530.6	530.6	522.7	511.5	473.5	413.8	316.8	190.8	70.8	10.5	2.0
55°	228.9	217.1	223.6	236.1	226.3	196.7	148.2	57.1	12.5	2.0	2.0
57.5°	3.3	7.9	11.8	19.0	25.6	30.8	16.4	5.9	2.0	2.0	2.0
60°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
62.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
65°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
67.5°	1.3	1.3	1.3	2.0	1.3	2.0	2.0	2.0	2.0	2.0	2.0
70°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.0	2.0
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.3	1.3	1.3
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3	1.3
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3
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°	452.5	452.5	452.5	452.5	452.5	452.5	452.5	452.5
2.5°	535.8	524.7	506.3	450.6	392.8	339.7	301.7	287.3
5°	600.7	580.4	549.6	435.5	320.7	223.6	168.5	146.9
7.5°	651.9	625.7	581.1	409.2	235.4	119.4	71.5	56.4
10°	686.0	657.1	598.8	370.5	156.1	55.7	26.9	22.3
12.5°	710.9	674.8	605.3	320.7	91.8	25.6	14.4	13.1
15°	729.3	682.7	597.5	259.7	50.5	15.1	11.8	11.8
17.5°	754.9	686.7	578.4	191.5	28.9	11.1	11.1	11.1
20°	774.5	686.7	542.4	130.5	17.7	9.8	9.8	9.8
22.5°	784.4	676.2	498.4	82.6	12.5	9.2	9.8	9.8
25°	774.5	650.6	442.0	50.5	9.8	8.5	9.2	9.8
27.5°	738.5	599.4	366.6	32.1	7.9	8.5	9.2	9.8
30°	678.1	525.3	281.4	21.0	7.2	8.5	9.2	9.8
32.5°	592.9	415.1	182.3	13.8	6.6	8.5	9.2	9.8
35°	463.0	293.8	110.2	8.5	6.6	8.5	9.8	10.5
37.5°	346.9	196.1	59.7	5.2	6.6	8.5	9.8	10.5
40°	240.7	114.1	25.6	4.6	6.6	9.2	10.5	10.5
42.5°	139.7	45.3	6.6	3.9	6.6	9.2	10.5	11.1
45°	51.2	9.2	2.0	3.9	7.2	9.2	10.5	11.8
47.5°	7.2	2.0	2.0	3.9	7.2	9.2	11.1	11.8
50°	2.0	2.0	2.0	3.9	7.2	9.8	11.8	12.5
52.5°	2.0	2.0	2.0	3.9	7.2	9.8	11.8	12.5
55°	2.0	2.0	2.0	3.9	7.2	9.8	11.8	12.5
57.5°	2.0	2.0	2.0	3.9	7.2	9.8	11.8	12.5
60°	2.0	2.0	2.0	3.9	6.6	9.8	11.8	12.5
62.5°	2.0	2.0	2.0	3.9	6.6	9.2	11.1	11.8
65°	2.0	2.0	2.0	3.9	5.9	8.5	11.1	11.1
67.5°	2.0	2.0	2.0	3.3	5.9	8.5	10.5	11.1
70°	2.0	2.0	2.0	3.3	5.2	7.9	9.8	10.5
72.5°	2.0	2.0	2.0	2.6	4.6	7.2	9.2	9.8
75°	1.3	2.0	2.0	2.6	4.6	6.6	8.5	9.2
77.5°	1.3	2.0	2.0	2.0	3.9	5.2	7.2	7.9
80°	1.3	1.3	2.0	2.0	3.3	4.6	5.9	6.6
82.5°	1.3	1.3	1.3	2.0	2.6	3.3	4.6	4.6
85°	1.3	1.3	1.3	1.3	2.0	2.6	3.3	3.3
87.5°	0.7	0.7	1.3	1.3	1.3	1.3	1.3	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)