

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: P1313564

Luminaire Tested: LDSQA3D09R559727DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313564
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: LDSQA3D09R559727DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

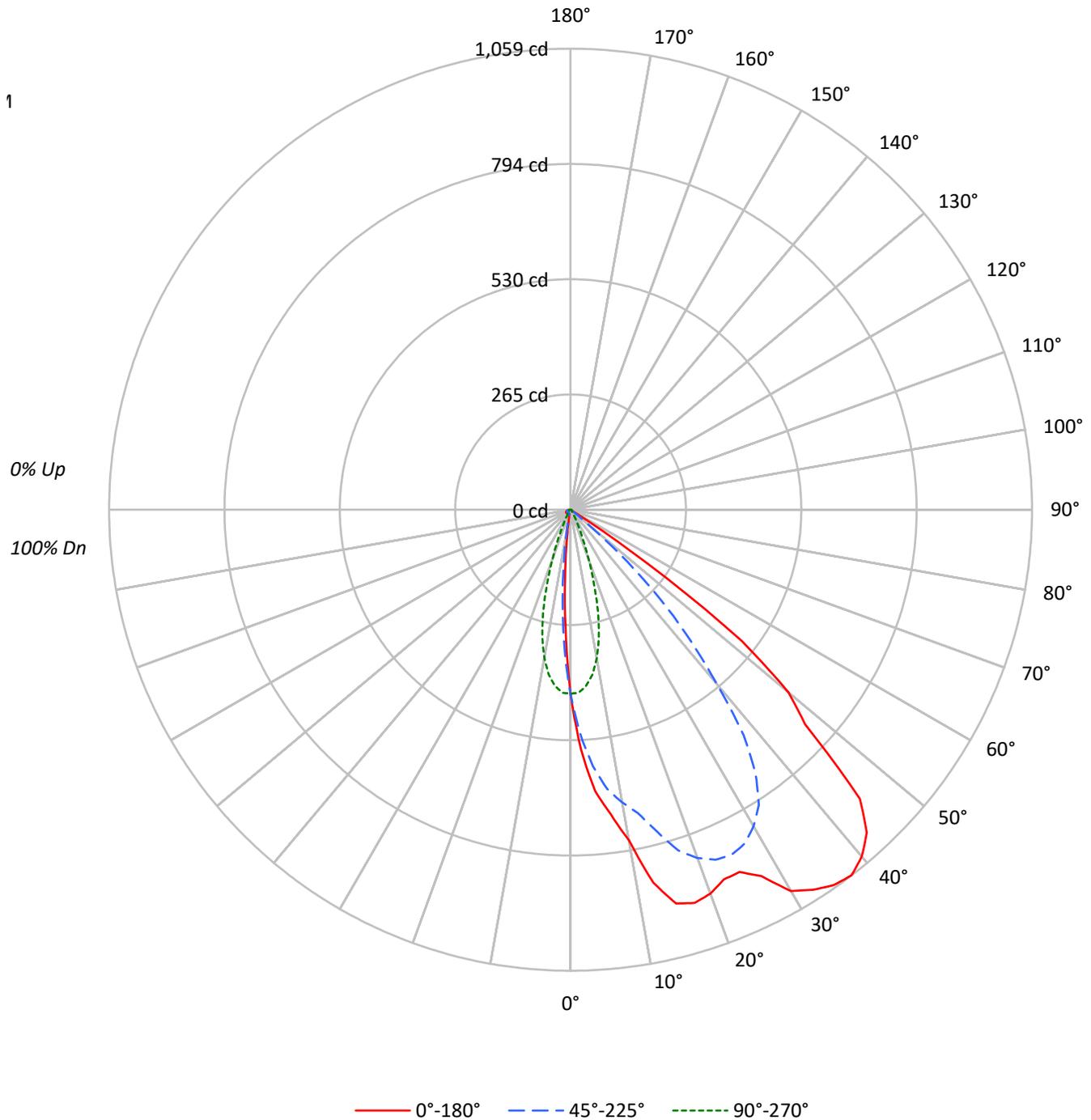
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 705.0 lumens
Efficiency: N/A
Efficacy: 63.5 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	72781	72781	72781	72781	72781
5°	112217	102172	70293	36097	23719
10°	134832	119408	60508	9111	3637
15°	166958	136380	43237	2514	1961
20°	171949	156004	22341	1686	1686
25°	174444	166178	8969	1520	1748
30°	201073	166968	3898	1591	1830
35°	221325	155665	1682	1682	2060
40°	233769	117154	967	1933	2203
45°	228654	71582	901	2095	2679
50°	174905	15272	991	2465	3108
55°	64166	540	1111	2762	3483
60°	620	620	1274	3169	3996
65°	734	734	1508	3260	4238
70°	604	906	1561	3676	4935
75°	399	799	1597	4059	5723
80°	595	1190	1785	4265	6050
85°	0	1186	2371	4742	6126

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 228654 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.2	5.3
10°-20°	106.5	15.1
20°-30°	163.4	23.2
30°-40°	190.4	27.0
40°-50°	152.2	21.6
50°-60°	45.0	6.4
60°-70°	4.8	0.7
70°-80°	3.8	0.5
80°-90°	1.6	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°	307.2	43.6
0°-40°	497.6	70.6
0°-60°	694.8	98.6
0°-90°	705.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	705.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	423	423	423	423	423	
5°	649	591	407	209	137	65
15°	936	765	242	14	11	258
25°	918	874	47	8	9	436
35°	1053	740	8	8	10	656
45°	939	294	4	9	11	677
55°	214	2	4	9	12	226
65°	2	2	4	8	10	2
75°	1	1	2	6	9	1
85°	0	1	1	2	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°	422.6	422.6	422.6	422.6	422.6	422.6	422.6	422.6	422.6	422.6	422.6
2.5°	551.2	551.2	549.3	549.9	548.7	542.0	540.7	532.2	524.8	516.9	510.1
5°	649.1	650.4	648.5	644.9	640.0	635.1	624.6	616.7	606.3	591.0	576.9
7.5°	704.9	703.6	700.6	699.4	696.3	690.8	683.4	674.9	662.6	647.3	630.8
10°	771.0	760.6	757.5	752.6	742.8	731.8	719.0	707.3	696.9	682.8	665.1
12.5°	877.6	875.7	863.5	854.3	840.8	816.3	794.3	768.6	737.9	713.4	690.2
15°	936.4	937.6	932.1	924.7	916.1	895.9	873.9	843.9	807.7	764.9	726.9
17.5°	946.8	948.6	945.5	942.5	940.0	928.4	914.9	893.5	860.4	820.6	764.3
20°	938.2	941.9	942.5	946.2	951.0	946.2	935.1	920.4	892.9	851.2	797.3
22.5°	919.2	925.9	930.8	943.7	956.6	956.6	949.8	938.2	911.2	870.2	815.1
25°	918.0	919.2	921.0	941.9	962.1	966.4	960.2	948.0	918.6	874.5	814.5
27.5°	948.6	940.6	928.4	949.2	973.1	976.8	968.2	951.7	916.8	864.7	793.7
30°	1011.1	993.3	967.6	982.9	999.4	995.1	978.0	951.7	904.5	839.6	754.5
32.5°	1034.9	1025.1	1016.0	1032.5	1035.6	1017.8	987.2	948.0	884.9	804.1	690.2
35°	1052.7	1053.3	1049.6	1052.7	1038.0	1012.9	979.2	927.8	848.2	740.4	605.0
37.5°	1058.8	1060.1	1052.1	1041.1	1019.0	990.2	949.8	891.0	786.9	652.8	476.4
40°	1039.8	1036.2	1023.3	1008.0	984.1	954.7	910.6	823.1	695.7	521.1	371.7
42.5°	1006.2	1000.0	984.7	966.4	941.3	903.9	833.5	727.5	565.2	406.6	260.3
45°	938.8	934.5	915.5	902.1	872.1	823.7	733.0	599.5	437.3	293.9	150.6
47.5°	729.4	730.0	744.7	751.4	741.0	702.4	595.9	455.6	319.1	175.1	50.8
50°	652.8	649.8	635.1	614.8	581.2	523.6	437.3	322.1	188.6	57.0	7.3
52.5°	495.4	495.4	488.1	477.7	442.1	386.4	295.8	178.2	66.1	9.8	1.8
55°	213.7	202.7	208.8	220.5	211.3	183.7	138.4	53.3	11.6	1.8	1.8
57.5°	3.1	7.3	11.0	17.8	23.9	28.8	15.3	5.5	1.8	1.8	1.8
60°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
62.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
65°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
67.5°	1.2	1.2	1.2	1.8	1.2	1.8	1.8	1.8	1.8	1.8	1.8
70°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.8
72.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
75°	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
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°	422.6	422.6	422.6	422.6	422.6	422.6	422.6	422.6
2.5°	500.3	489.9	472.8	420.7	366.8	317.2	281.7	268.2
5°	561.0	542.0	513.2	406.6	299.5	208.8	157.4	137.2
7.5°	608.7	584.2	542.6	382.1	219.8	111.5	66.8	52.7
10°	640.6	613.6	559.1	346.0	145.8	52.1	25.1	20.8
12.5°	663.8	630.2	565.2	299.5	85.7	23.9	13.5	12.2
15°	681.0	637.5	557.9	242.5	47.2	14.1	11.0	11.0
17.5°	704.9	641.2	540.1	178.8	26.9	10.4	10.4	10.4
20°	723.2	641.2	506.5	121.9	16.5	9.2	9.2	9.2
22.5°	732.4	631.4	465.4	77.2	11.6	8.6	9.2	9.2
25°	723.2	607.5	412.8	47.2	9.2	8.0	8.6	9.2
27.5°	689.6	559.7	342.3	30.0	7.3	8.0	8.6	9.2
30°	633.2	490.5	262.7	19.6	6.7	8.0	8.6	9.2
32.5°	553.6	387.6	170.2	12.9	6.1	8.0	8.6	9.2
35°	432.4	274.4	102.9	8.0	6.1	8.0	9.2	9.8
37.5°	324.0	183.1	55.7	4.9	6.1	8.0	9.2	9.8
40°	224.7	106.6	23.9	4.3	6.1	8.6	9.8	9.8
42.5°	130.4	42.3	6.1	3.7	6.1	8.6	9.8	10.4
45°	47.8	8.6	1.8	3.7	6.7	8.6	9.8	11.0
47.5°	6.7	1.8	1.8	3.7	6.7	8.6	10.4	11.0
50°	1.8	1.8	1.8	3.7	6.7	9.2	11.0	11.6
52.5°	1.8	1.8	1.8	3.7	6.7	9.2	11.0	11.6
55°	1.8	1.8	1.8	3.7	6.7	9.2	11.0	11.6
57.5°	1.8	1.8	1.8	3.7	6.7	9.2	11.0	11.6
60°	1.8	1.8	1.8	3.7	6.1	9.2	11.0	11.6
62.5°	1.8	1.8	1.8	3.7	6.1	8.6	10.4	11.0
65°	1.8	1.8	1.8	3.7	5.5	8.0	10.4	10.4
67.5°	1.8	1.8	1.8	3.1	5.5	8.0	9.8	10.4
70°	1.8	1.8	1.8	3.1	4.9	7.3	9.2	9.8
72.5°	1.8	1.8	1.8	2.4	4.3	6.7	8.6	9.2
75°	1.2	1.8	1.8	2.4	4.3	6.1	8.0	8.6
77.5°	1.2	1.8	1.8	1.8	3.7	4.9	6.7	7.3
80°	1.2	1.2	1.8	1.8	3.1	4.3	5.5	6.1
82.5°	1.2	1.2	1.2	1.8	2.4	3.1	4.3	4.3
85°	1.2	1.2	1.2	1.2	1.8	2.4	3.1	3.1
87.5°	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)