

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: P1317398

Luminaire Tested: LDSQA3D09R609827DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R609827DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

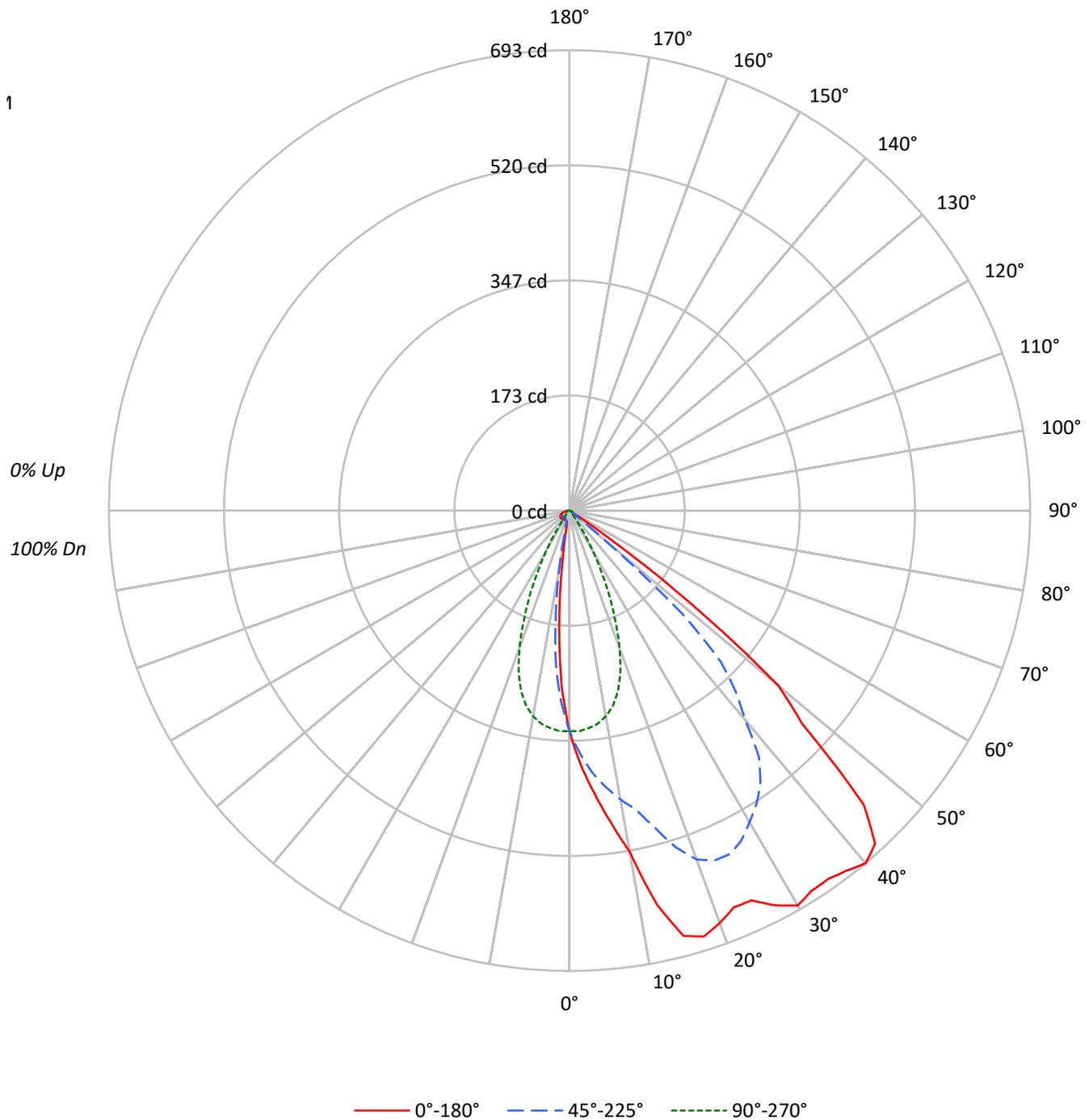
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 539.0 lumens
Efficiency: N/A
Efficacy: 49.0 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	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	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	57143	57143	57143	57143	57143
5°	73820	68530	56826	40471	30876
10°	91217	77244	55000	15302	4547
15°	118140	87919	50173	3352	2995
20°	121053	102414	40376	2804	2896
25°	123004	108410	27079	2698	2907
30°	136521	107686	13960	2724	3043
35°	142399	105270	3847	2880	3322
40°	155823	92334	1821	3080	3665
45°	152444	78451	1851	3337	4092
50°	109905	19371	2036	3671	4501
55°	21078	1231	2132	3963	5044
60°	1068	1240	2101	4202	5442
65°	1019	1263	2078	4360	5787
70°	1007	1259	2065	4381	5891
75°	998	1331	2063	4392	6122
80°	496	1488	1984	4562	6050
85°	988	988	1976	3952	6126

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 152444 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.8	5.4
10°-20°	79.7	14.8
20°-30°	122.6	22.7
30°-40°	143.9	26.7
40°-50°	115.4	21.4
50°-60°	35.8	6.6
60°-70°	6.8	1.3
70°-80°	4.5	0.8
80°-90°	1.6	0.3
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°	231.1	42.9
0°-40°	375.0	69.6
0°-60°	526.2	97.6
0°-90°	539.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	539.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	332	332	332	332	332	
5°	427	396	329	234	179	44
15°	663	493	281	19	17	181
25°	647	570	142	14	15	306
35°	677	501	18	14	16	429
45°	626	322	8	14	17	448
55°	70	4	7	13	17	111
65°	2	3	5	11	14	2
75°	2	2	3	7	9	1
85°	0	0	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°	331.8	331.8	331.8	331.8	331.8	331.8	331.8	331.8	331.8	331.8	331.8
2.5°	382.7	378.6	378.6	377.1	375.6	376.1	372.0	373.5	369.4	366.4	363.9
5°	427.0	421.9	421.4	418.8	416.3	414.2	409.1	406.1	400.0	396.4	388.8
7.5°	472.8	468.7	466.1	463.1	458.5	453.4	444.8	439.2	429.5	419.8	410.2
10°	521.6	518.0	512.4	508.9	496.2	488.0	476.3	468.7	454.4	441.7	427.0
12.5°	607.1	605.1	594.4	587.3	568.9	552.6	527.2	506.8	481.4	460.5	440.7
15°	662.6	660.0	654.4	647.8	636.1	617.8	594.9	566.4	530.8	493.1	459.5
17.5°	672.2	672.7	669.2	667.7	660.0	648.3	630.0	608.6	573.0	531.3	485.5
20°	660.5	664.6	663.6	666.6	668.2	663.6	651.4	630.5	599.5	558.8	507.4
22.5°	646.3	649.8	648.8	654.4	663.1	667.7	663.6	646.8	615.2	569.9	519.6
25°	647.3	649.8	642.2	645.8	657.0	668.2	668.7	653.9	619.8	570.5	518.6
27.5°	669.7	662.1	644.8	643.2	657.0	671.2	672.2	653.9	613.2	559.8	508.4
30°	686.5	680.9	661.5	659.0	672.2	681.9	676.8	648.3	597.4	541.5	493.6
32.5°	678.3	679.4	671.2	679.4	696.7	700.7	679.4	635.1	575.5	523.6	476.3
35°	677.3	681.4	686.0	698.7	710.4	700.7	666.6	610.2	552.1	500.7	449.3
37.5°	683.4	690.0	696.7	707.9	707.9	682.9	633.1	578.6	524.1	468.2	393.4
40°	693.1	697.2	699.2	698.2	684.4	647.8	594.9	540.4	488.5	410.7	356.2
42.5°	680.4	679.9	677.8	669.2	643.7	595.9	546.5	502.3	420.3	370.5	308.4
45°	625.9	625.9	620.3	606.6	583.2	543.5	499.7	435.1	383.2	322.1	229.0
47.5°	473.8	470.2	476.3	484.5	484.5	480.9	441.2	385.2	332.3	232.6	73.3
50°	410.2	404.6	396.9	398.5	397.4	401.5	376.1	333.8	245.8	72.3	5.1
52.5°	232.1	242.2	267.2	302.3	318.1	323.6	307.9	253.9	82.9	4.6	4.1
55°	70.2	72.3	81.9	100.8	136.9	175.1	177.6	82.4	5.6	4.1	4.1
57.5°	3.1	3.1	4.1	6.1	14.2	21.4	22.9	5.1	3.6	4.1	4.1
60°	3.1	3.1	3.1	3.1	3.1	3.1	3.6	3.6	3.6	3.6	4.1
62.5°	2.5	2.5	3.1	3.1	3.1	3.1	3.1	3.1	3.6	3.6	3.6
65°	2.5	2.5	2.5	2.5	2.5	2.5	3.1	3.1	3.1	3.1	3.6
67.5°	2.0	2.0	2.0	2.5	2.5	2.5	2.5	2.5	3.1	3.1	3.1
70°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5	2.5	2.5	2.5
72.5°	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.5
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0
77.5°	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5
80°	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
87.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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°	331.8	331.8	331.8	331.8	331.8	331.8	331.8	331.8
2.5°	360.3	356.2	351.6	332.3	313.5	288.0	270.7	265.6
5°	382.2	375.6	365.4	328.7	284.5	234.1	193.4	178.6
7.5°	400.5	390.3	376.1	323.6	249.9	158.8	102.3	86.5
10°	413.7	401.0	382.7	314.5	204.1	87.5	34.6	26.0
12.5°	424.9	408.1	386.2	300.7	148.6	35.6	17.8	17.8
15°	432.6	412.2	387.8	281.4	96.2	18.8	16.8	16.8
17.5°	443.2	416.8	387.8	254.4	52.4	16.3	16.3	16.3
20°	460.5	421.4	382.2	220.3	29.0	15.3	15.8	15.8
22.5°	469.7	428.0	375.0	180.7	18.3	14.8	15.3	15.3
25°	471.7	427.0	359.8	142.5	14.8	14.2	14.8	15.3
27.5°	464.6	419.8	339.4	103.8	13.2	13.7	14.8	15.3
30°	451.9	402.5	306.9	70.2	12.2	13.7	14.8	15.3
32.5°	428.0	360.8	268.7	42.2	11.7	13.7	14.8	15.8
35°	374.5	317.0	224.9	18.3	11.2	13.7	15.3	15.8
37.5°	335.9	273.3	174.0	9.2	11.2	13.7	15.3	16.3
40°	293.1	219.8	80.4	8.1	11.2	13.7	15.3	16.3
42.5°	223.4	101.8	9.7	8.1	10.7	13.7	15.8	16.3
45°	81.4	10.7	5.1	7.6	10.7	13.7	15.8	16.8
47.5°	6.1	4.1	4.6	7.6	10.7	13.7	15.8	16.8
50°	4.1	4.1	4.6	7.6	10.7	13.7	15.8	16.8
52.5°	4.1	4.6	4.6	7.1	10.2	13.7	15.8	16.8
55°	4.1	4.6	4.6	7.1	10.2	13.2	15.8	16.8
57.5°	4.1	4.1	4.6	6.6	9.7	12.7	15.8	16.3
60°	4.1	4.1	4.6	6.1	9.2	12.2	14.8	15.8
62.5°	4.1	4.1	4.1	5.6	8.7	11.7	14.2	15.3
65°	3.6	3.6	4.1	5.1	7.6	10.7	13.2	14.2
67.5°	3.1	3.6	3.6	4.6	7.1	9.7	12.2	13.2
70°	3.1	3.1	3.1	4.1	6.1	8.7	11.2	11.7
72.5°	2.5	2.5	3.1	3.6	5.6	7.6	10.2	10.7
75°	2.0	2.5	2.5	3.1	4.6	6.6	8.7	9.2
77.5°	2.0	2.0	2.0	2.5	4.1	5.6	7.1	7.6
80°	1.5	1.5	1.5	2.0	3.1	4.6	5.6	6.1
82.5°	1.0	1.5	1.5	1.5	2.5	3.1	4.1	4.6
85°	1.0	1.0	1.0	1.0	1.5	2.0	2.5	3.1
87.5°	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)