

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: P1319150

Luminaire Tested: LDSQA3D09R609835DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319150
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: LDSQA3D09R609835DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

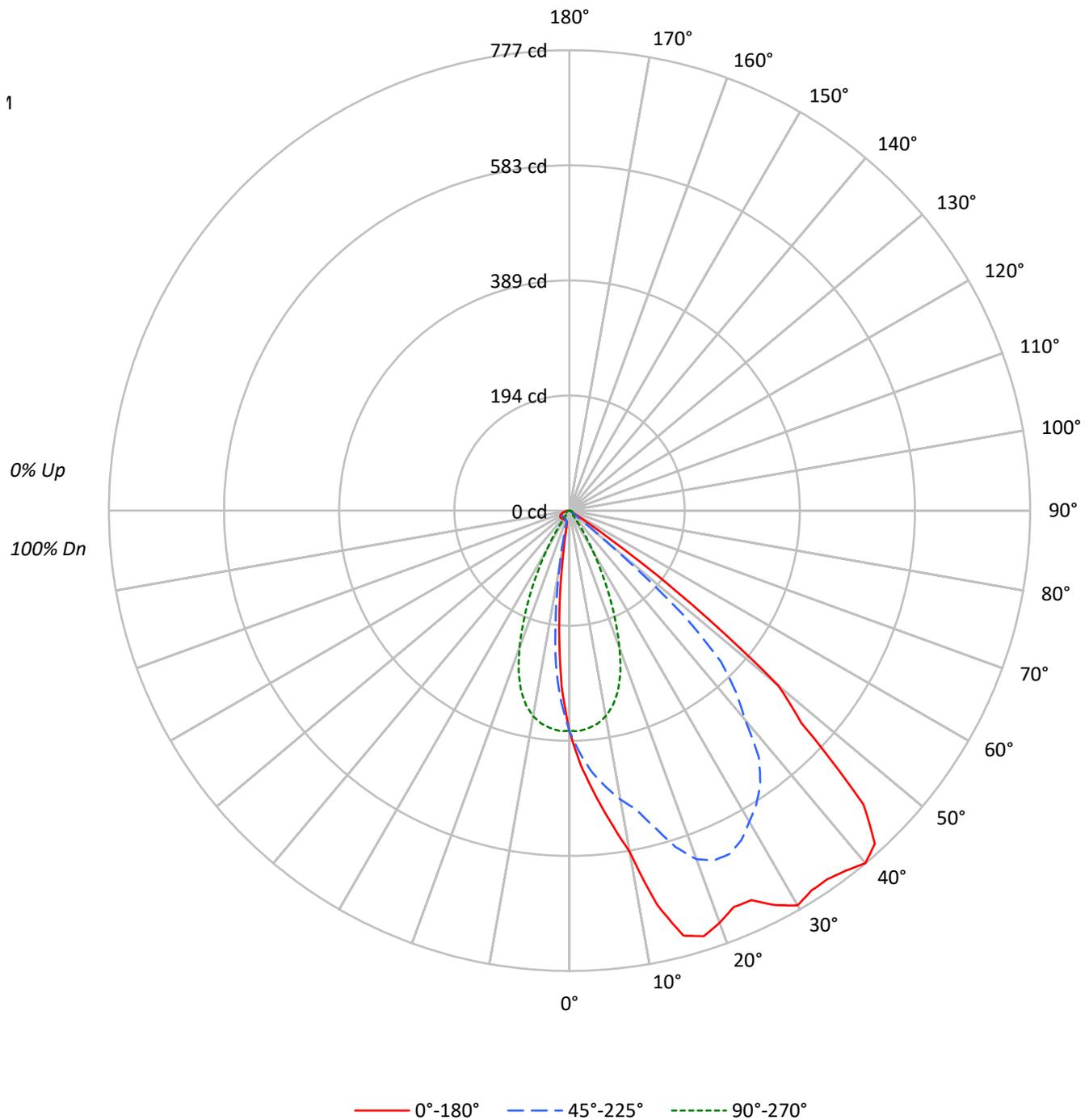
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 604.0 lumens
Efficiency: N/A
Efficacy: 54.9 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	41	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°	64032	64032	64032	64032	64032
5°	82706	76794	63689	45347	34611
10°	102217	86565	61628	17156	5089
15°	132386	98527	56217	3762	3352
20°	135661	114749	45251	3134	3244
25°	137845	121484	30347	3040	3249
30°	152987	120652	15651	3063	3401
35°	159576	117968	4310	3238	3721
40°	174618	103462	2046	3462	4092
45°	170833	87925	2095	3751	4579
50°	123141	21702	2304	4126	5037
55°	23631	1381	2402	4444	5645
60°	1171	1378	2342	4719	6097
65°	1182	1386	2323	4890	6520
70°	1158	1460	2316	4884	6596
75°	1131	1530	2262	4924	6854
80°	595	1686	2281	5058	6744
85°	1186	1186	2174	4545	6719

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 170833 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.3	5.4
10°-20°	89.3	14.8
20°-30°	137.4	22.7
30°-40°	161.2	26.7
40°-50°	129.3	21.4
50°-60°	40.1	6.6
60°-70°	7.6	1.3
70°-80°	5.1	0.8
80°-90°	1.7	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°	259.0	42.9
0°-40°	420.2	69.6
0°-60°	589.6	97.6
0°-90°	604.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	604.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	372	372	372	372	372	
5°	478	444	368	262	200	49
15°	742	553	315	21	19	203
25°	725	639	160	16	17	342
35°	759	561	20	15	18	480
45°	701	361	9	15	19	502
55°	79	5	8	15	19	125
65°	3	3	6	12	16	3
75°	2	2	3	7	10	2
85°	1	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°	371.8	371.8	371.8	371.8	371.8	371.8	371.8	371.8	371.8	371.8	371.8
2.5°	428.8	424.3	424.3	422.6	420.8	421.4	416.9	418.6	414.0	410.6	407.7
5°	478.4	472.7	472.2	469.3	466.5	464.2	458.5	455.1	448.2	444.2	435.7
7.5°	529.8	525.2	522.4	518.9	513.8	508.1	498.4	492.1	481.3	470.5	459.6
10°	584.5	580.5	574.2	570.3	556.0	546.9	533.8	525.2	509.2	495.0	478.4
12.5°	680.3	678.0	666.1	658.1	637.5	619.3	590.8	568.0	539.5	516.1	493.8
15°	742.5	739.6	733.3	725.9	712.8	692.3	666.6	634.7	594.8	552.6	514.9
17.5°	753.3	753.9	749.9	748.2	739.6	726.5	706.0	682.0	642.1	595.3	544.0
20°	740.2	744.7	743.6	747.0	748.7	743.6	729.9	706.5	671.8	626.1	568.5
22.5°	724.2	728.2	727.1	733.3	743.0	748.2	743.6	724.8	689.4	638.7	582.2
25°	725.4	728.2	719.7	723.6	736.2	748.7	749.3	732.8	694.6	639.3	581.1
27.5°	750.5	741.9	722.5	720.8	736.2	752.2	753.3	732.8	687.2	627.3	569.7
30°	769.3	763.0	741.3	738.5	753.3	764.1	758.4	726.5	669.5	606.7	553.1
32.5°	760.1	761.3	752.2	761.3	780.7	785.2	761.3	711.7	645.0	586.8	533.8
35°	759.0	763.6	768.7	783.0	796.1	785.2	747.0	683.7	618.7	561.1	503.5
37.5°	765.8	773.3	780.7	793.2	793.2	765.3	709.4	648.4	587.4	524.6	440.8
40°	776.7	781.2	783.5	782.4	767.0	725.9	666.6	605.6	547.4	460.2	399.2
42.5°	762.4	761.9	759.6	749.9	721.4	667.8	612.4	562.8	471.0	415.1	345.6
45°	701.4	701.4	695.1	679.7	653.5	609.0	560.0	487.6	429.4	361.0	256.6
47.5°	530.9	526.9	533.8	542.9	542.9	538.9	494.4	431.7	372.4	260.6	82.1
50°	459.6	453.3	444.8	446.5	445.4	449.9	421.4	374.1	275.4	81.0	5.7
52.5°	260.0	271.4	299.4	338.7	356.4	362.7	345.0	284.6	93.0	5.1	4.6
55°	78.7	81.0	91.8	112.9	153.4	196.2	199.0	92.4	6.3	4.6	4.6
57.5°	3.4	3.4	4.6	6.8	16.0	24.0	25.7	5.7	4.0	4.6	4.6
60°	3.4	3.4	3.4	3.4	3.4	3.4	4.0	4.0	4.0	4.0	4.6
62.5°	2.9	2.9	3.4	3.4	3.4	3.4	3.4	3.4	4.0	4.0	4.0
65°	2.9	2.9	2.9	2.9	2.9	2.9	3.4	3.4	3.4	3.4	4.0
67.5°	2.3	2.3	2.3	2.9	2.9	2.9	2.9	2.9	3.4	3.4	3.4
70°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9	2.9	2.9	2.9
72.5°	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3	2.3	2.3	2.9
75°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3	2.3
77.5°	1.1	1.1	1.1	1.1	1.1	1.7	1.7	1.7	1.7	1.7	1.7
80°	0.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7	1.7
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	1.1	1.1	1.1	1.1	1.1
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.1
87.5°	0.0	0.0	0.0	0.0	0.6	0.6	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°	371.8	371.8	371.8	371.8	371.8	371.8	371.8	371.8
2.5°	403.7	399.2	394.0	372.4	351.3	322.8	303.4	297.7
5°	428.3	420.8	409.4	368.4	318.8	262.3	216.7	200.2
7.5°	448.8	437.4	421.4	362.7	280.0	177.9	114.6	96.9
10°	463.6	449.4	428.8	352.4	228.7	98.1	38.8	29.1
12.5°	476.2	457.3	432.8	337.0	166.5	39.9	20.0	20.0
15°	484.7	461.9	434.5	315.3	107.8	21.1	18.8	18.8
17.5°	496.7	467.0	434.5	285.1	58.7	18.2	18.2	18.2
20°	516.1	472.2	428.3	246.9	32.5	17.1	17.7	17.7
22.5°	526.3	479.6	420.3	202.4	20.5	16.5	17.1	17.1
25°	528.6	478.4	403.2	159.7	16.5	16.0	16.5	17.1
27.5°	520.6	470.5	380.4	116.3	14.8	15.4	16.5	17.1
30°	506.4	451.1	343.9	78.7	13.7	15.4	16.5	17.1
32.5°	479.6	404.3	301.1	47.3	13.1	15.4	16.5	17.7
35°	419.7	355.3	252.1	20.5	12.5	15.4	17.1	17.7
37.5°	376.4	306.2	195.0	10.3	12.5	15.4	17.1	18.2
40°	328.5	246.3	90.1	9.1	12.5	15.4	17.1	18.2
42.5°	250.3	114.1	10.8	9.1	12.0	15.4	17.7	18.2
45°	91.2	12.0	5.7	8.6	12.0	15.4	17.7	18.8
47.5°	6.8	4.6	5.1	8.6	12.0	15.4	17.7	18.8
50°	4.6	4.6	5.1	8.6	12.0	15.4	17.7	18.8
52.5°	4.6	5.1	5.1	8.0	11.4	15.4	17.7	18.8
55°	4.6	5.1	5.1	8.0	11.4	14.8	17.7	18.8
57.5°	4.6	4.6	5.1	7.4	10.8	14.3	17.7	18.2
60°	4.6	4.6	5.1	6.8	10.3	13.7	16.5	17.7
62.5°	4.6	4.6	4.6	6.3	9.7	13.1	16.0	17.1
65°	4.0	4.0	4.6	5.7	8.6	12.0	14.8	16.0
67.5°	3.4	4.0	4.0	5.1	8.0	10.8	13.7	14.8
70°	3.4	3.4	3.4	4.6	6.8	9.7	12.5	13.1
72.5°	2.9	2.9	3.4	4.0	6.3	8.6	11.4	12.0
75°	2.3	2.9	2.9	3.4	5.1	7.4	9.7	10.3
77.5°	2.3	2.3	2.3	2.9	4.6	6.3	8.0	8.6
80°	1.7	1.7	1.7	2.3	3.4	5.1	6.3	6.8
82.5°	1.1	1.7	1.7	1.7	2.9	3.4	4.6	5.1
85°	1.1	1.1	1.1	1.1	1.7	2.3	2.9	3.4
87.5°	0.6	0.6	1.1	1.1	1.1	1.1	1.1	1.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)