

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: P1316487

Luminaire Tested: LDSQA3D09R609740DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316487
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R609740DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

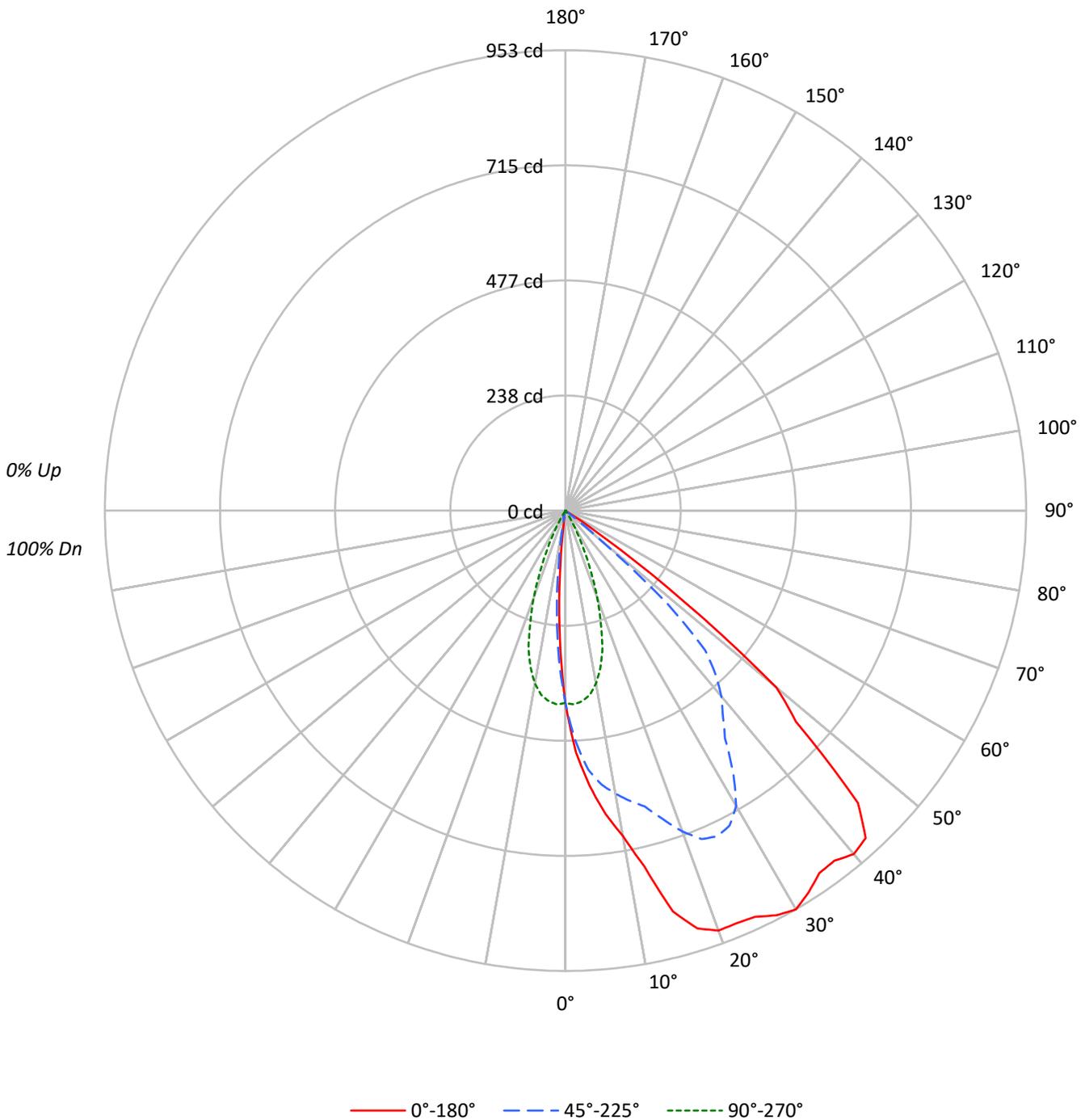
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 647.0 lumens
Efficiency: N/A
Efficacy: 58.3 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	68562	68562	68562	68562	68562
5°	98818	93062	68461	35268	22647
10°	119530	104053	63551	4215	2483
15°	153194	113023	52669	2781	2264
20°	169548	129557	35317	1558	257
25°	176326	141323	17368	133	0
30°	189598	140439	4793	0	0
35°	192563	120933	0	0	0
40°	208611	112748	0	0	0
45°	208414	99543	0	0	0
50°	152587	24114	0	0	0
55°	29786	0	0	0	0
60°	0	0	0	0	0
65°	0	285	285	0	0
70°	0	352	352	0	0
75°	0	466	466	0	0
80°	0	694	694	694	0
85°	0	1383	1383	1383	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 208755 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.2	5.3
10°-20°	97.4	15.0
20°-30°	155.1	24.0
30°-40°	179.3	27.7
40°-50°	142.4	22.0
50°-60°	37.5	5.8
60°-70°	0.3	0.0
70°-80°	0.4	0.1
80°-90°	0.4	0.1
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°	286.7	44.3
0°-40°	466.0	72.0
0°-60°	645.9	99.8
0°-90°	647.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	647.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	398	398	398	398	398	
5°	572	538	396	204	131	58
15°	859	634	295	16	13	239
25°	928	744	91	1	0	433
35°	916	575	0	0	0	582
45°	856	409	0	0	0	609
55°	99	0	0	0	0	150
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	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°	398.1	398.1	398.1	398.1	398.1	398.1	398.1	398.1	398.1	398.1	398.1
2.5°	500.8	505.7	503.6	501.5	496.5	494.4	494.4	488.7	479.5	478.1	471.7
5°	571.6	573.0	573.0	571.6	568.1	562.4	561.0	555.3	546.8	538.3	529.8
7.5°	633.2	632.5	628.3	625.4	619.1	611.3	604.2	596.4	583.7	572.3	560.3
10°	683.5	685.7	682.1	675.0	666.5	655.9	644.6	631.1	612.0	595.0	579.4
12.5°	754.4	753.7	744.4	732.4	711.9	692.0	674.3	659.4	636.1	615.5	596.4
15°	859.2	857.8	849.3	838.7	808.9	779.2	748.7	706.9	667.9	633.9	607.0
17.5°	906.6	909.5	902.4	896.7	879.7	859.9	833.0	791.2	731.0	669.4	612.7
20°	925.1	928.6	923.6	922.9	915.1	905.9	884.0	838.7	779.9	706.9	636.8
22.5°	924.4	927.2	925.1	934.3	943.5	938.5	911.6	866.3	806.1	735.9	656.6
25°	927.9	925.8	918.0	931.4	944.9	940.6	927.2	888.2	822.4	743.7	663.7
27.5°	944.2	928.6	913.0	930.0	936.4	937.8	930.0	884.0	819.5	735.2	649.5
30°	953.4	936.4	923.6	937.8	937.8	945.6	929.3	876.9	795.4	706.2	612.0
32.5°	936.4	932.9	944.2	958.4	961.9	961.9	925.8	853.5	755.1	646.7	551.8
35°	915.9	924.4	956.9	963.3	963.3	947.7	903.8	812.4	694.9	575.2	507.2
37.5°	913.7	927.2	963.3	955.5	942.8	913.7	850.0	740.9	609.2	534.8	473.9
40°	927.9	940.6	961.9	933.6	903.1	857.8	781.3	647.4	557.4	501.5	433.5
42.5°	919.4	931.4	932.1	890.4	847.2	785.5	684.2	571.6	519.9	459.0	387.5
45°	855.7	857.1	854.2	809.6	765.0	701.2	593.6	534.1	478.8	408.7	284.7
47.5°	646.7	643.9	654.5	641.7	643.9	605.6	539.0	490.2	424.3	286.9	86.4
50°	569.5	565.9	555.3	544.0	532.7	514.2	483.1	430.7	306.0	90.0	2.8
52.5°	305.3	322.3	355.6	406.6	425.7	424.3	400.9	318.7	96.3	0.7	0.0
55°	99.2	97.7	109.1	128.9	177.1	204.0	212.5	108.4	2.1	0.0	0.0
57.5°	0.0	0.0	0.0	2.1	7.1	18.4	24.1	1.4	0.0	0.7	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	398.1	398.1	398.1	398.1	398.1	398.1	398.1	398.1
2.5°	463.2	453.3	442.0	401.6	354.2	308.1	274.8	266.3
5°	516.4	499.4	475.3	396.0	292.5	204.0	145.9	131.0
7.5°	544.0	529.1	503.6	384.6	226.7	100.6	37.5	25.5
10°	561.0	543.3	514.9	363.4	148.0	24.1	13.5	14.2
12.5°	573.0	552.5	520.6	332.9	75.1	12.0	17.0	17.7
15°	578.0	556.0	519.9	295.4	26.9	15.6	14.9	12.7
17.5°	575.2	547.5	510.7	241.5	9.2	14.9	7.8	6.4
20°	571.6	540.4	495.8	192.7	7.8	8.5	2.8	1.4
22.5°	582.9	528.4	475.3	138.1	7.8	2.8	0.0	0.0
25°	584.4	523.4	449.1	91.4	3.5	0.7	0.0	0.0
27.5°	570.2	494.4	408.7	53.8	0.0	0.0	0.0	0.0
30°	524.9	458.3	365.5	24.1	0.0	0.0	0.0	0.0
32.5°	480.2	417.9	317.3	5.7	0.0	0.0	0.0	0.0
35°	444.8	376.1	264.2	0.0	0.0	0.0	0.0	0.0
37.5°	400.9	326.5	196.9	0.0	0.0	0.0	0.0	0.0
40°	354.9	263.5	98.5	0.0	0.0	0.0	0.0	0.0
42.5°	277.0	125.4	9.9	0.0	0.0	0.0	0.0	0.0
45°	106.2	11.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
65°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
67.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
70°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
72.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
75°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
77.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
82.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)