

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: P1320170

Luminaire Tested: LDSQA3D13R609840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320170
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: LDSQA3D13R609840DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

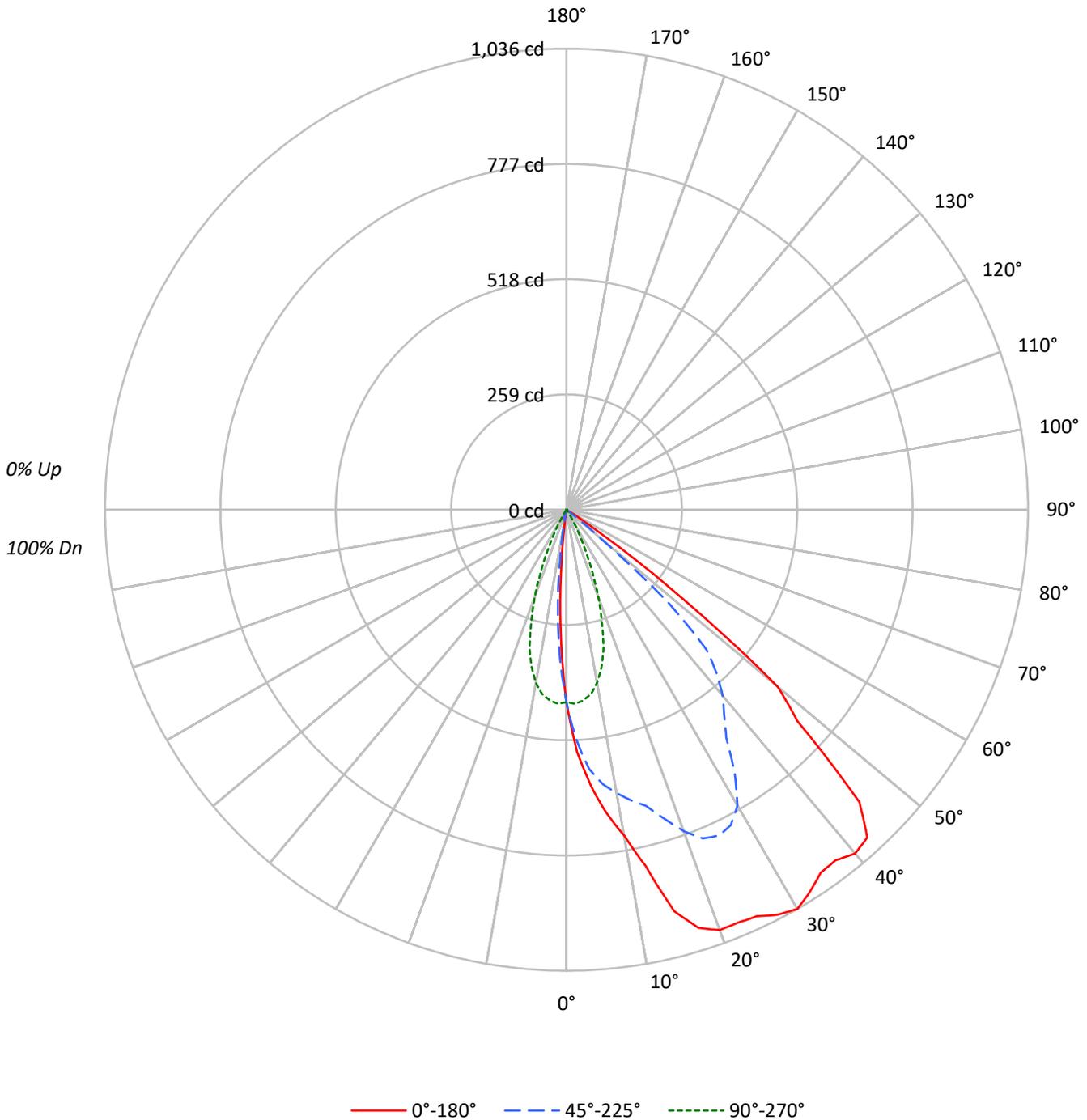
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 703.1 lumens
Efficiency: N/A
Efficacy: 48.5 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): 14.5
Input Voltage (V): NR
Input Current (Ain): 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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	82	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	75	71	68	66
5	86	76	69	63	84	75	68	63	73	67	63	71	66	62	69	65	61	69	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	59	54	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	74486	74486	74486	74486	74486
5°	107376	101118	74373	38328	24618
10°	129883	113060	69042	4582	2693
15°	166459	122812	57216	3013	2478
20°	184210	140774	38360	1686	275
25°	191585	153561	18870	152	0
30°	206005	152590	5210	0	0
35°	209215	131382	0	0	0
40°	226664	122505	0	0	0
45°	226437	108165	0	0	0
50°	165796	26177	0	0	0
55°	32338	0	0	0	0
60°	0	0	0	0	0
65°	0	326	326	0	0
70°	0	403	403	0	0
75°	0	532	532	0	0
80°	0	793	793	793	0
85°	0	1581	1581	1581	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 226803 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.1	5.3
10°-20°	105.8	15.0
20°-30°	168.6	24.0
30°-40°	194.9	27.7
40°-50°	154.8	22.0
50°-60°	40.7	5.8
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.5	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°	311.5	44.3
0°-40°	506.4	72.0
0°-60°	701.8	99.8
0°-90°	703.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	703.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	432	432	432	432	432	
5°	621	585	430	222	142	63
15°	934	689	321	17	14	260
25°	1008	808	99	1	0	470
35°	995	625	0	0	0	632
45°	930	444	0	0	0	662
55°	108	0	0	0	0	162
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°	432.5	432.5	432.5	432.5	432.5	432.5	432.5	432.5	432.5	432.5	432.5
2.5°	544.1	549.5	547.2	544.9	539.5	537.2	537.2	531.0	521.0	519.5	512.6
5°	621.1	622.6	622.6	621.1	617.2	611.1	609.5	603.4	594.2	584.9	575.7
7.5°	688.0	687.3	682.7	679.6	672.7	664.2	656.5	648.0	634.2	621.9	608.8
10°	742.7	745.0	741.2	733.5	724.2	712.7	700.4	685.7	665.0	646.5	629.6
12.5°	819.7	818.9	808.9	795.8	773.5	751.9	732.7	716.5	691.1	668.8	648.0
15°	933.6	932.0	922.8	911.2	878.9	846.6	813.5	768.1	725.8	688.8	659.6
17.5°	985.1	988.2	980.5	974.3	955.9	934.3	905.1	859.7	794.3	727.3	665.7
20°	1005.1	1009.0	1003.6	1002.8	994.4	984.4	960.5	911.2	847.4	768.1	691.9
22.5°	1004.4	1007.4	1005.1	1015.1	1025.1	1019.8	990.5	941.3	875.8	799.6	713.4
25°	1008.2	1005.9	997.4	1012.1	1026.7	1022.1	1007.4	965.1	893.5	808.1	721.1
27.5°	1025.9	1009.0	992.0	1010.5	1017.4	1019.0	1010.5	960.5	890.5	798.9	705.7
30°	1035.9	1017.4	1003.6	1019.0	1019.0	1027.5	1009.8	952.8	864.3	767.3	665.0
32.5°	1017.4	1013.6	1025.9	1041.3	1045.2	1045.2	1005.9	927.4	820.4	702.7	599.5
35°	995.1	1004.4	1039.8	1046.7	1046.7	1029.8	982.0	882.8	755.0	624.9	551.1
37.5°	992.8	1007.4	1046.7	1038.2	1024.4	992.8	923.6	805.0	661.9	581.1	514.9
40°	1008.2	1022.1	1045.2	1014.4	981.3	932.0	848.9	703.4	605.7	544.9	471.0
42.5°	999.0	1012.1	1012.8	967.4	920.5	853.5	743.5	621.1	564.9	498.7	421.0
45°	929.7	931.2	928.2	879.7	831.2	761.9	644.9	580.3	520.3	444.1	309.4
47.5°	702.7	699.6	711.1	697.3	699.6	658.0	585.7	532.6	461.0	311.7	93.9
50°	618.8	614.9	603.4	591.1	578.8	558.7	524.9	467.9	332.5	97.7	3.1
52.5°	331.7	350.2	386.4	441.8	462.5	461.0	435.6	346.3	104.7	0.8	0.0
55°	107.7	106.2	118.5	140.1	192.4	221.7	230.9	117.8	2.3	0.0	0.0
57.5°	0.0	0.0	0.0	2.3	7.7	20.0	26.2	1.5	0.0	0.8	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
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°	432.5	432.5	432.5	432.5	432.5	432.5	432.5	432.5
2.5°	503.3	492.6	480.2	436.4	384.8	334.8	298.6	289.4
5°	561.1	542.6	516.4	430.2	317.9	221.7	158.5	142.4
7.5°	591.1	574.9	547.2	417.9	246.3	109.3	40.8	27.7
10°	609.5	590.3	559.5	394.8	160.9	26.2	14.6	15.4
12.5°	622.6	600.3	565.7	361.7	81.6	13.1	18.5	19.2
15°	628.0	604.2	564.9	320.9	29.2	16.9	16.2	13.9
17.5°	624.9	594.9	554.9	262.4	10.0	16.2	8.5	6.9
20°	621.1	587.2	538.7	209.3	8.5	9.2	3.1	1.5
22.5°	633.4	574.1	516.4	150.1	8.5	3.1	0.0	0.0
25°	634.9	568.8	487.9	99.3	3.8	0.8	0.0	0.0
27.5°	619.5	537.2	444.1	58.5	0.0	0.0	0.0	0.0
30°	570.3	497.9	397.1	26.2	0.0	0.0	0.0	0.0
32.5°	521.8	454.1	344.8	6.2	0.0	0.0	0.0	0.0
35°	483.3	408.7	287.1	0.0	0.0	0.0	0.0	0.0
37.5°	435.6	354.8	214.0	0.0	0.0	0.0	0.0	0.0
40°	385.6	286.3	107.0	0.0	0.0	0.0	0.0	0.0
42.5°	300.9	136.2	10.8	0.0	0.0	0.0	0.0	0.0
45°	115.4	12.3	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	6.2	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°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0
65°	0.8	0.8	0.8	0.8	0.0	0.0	0.0	0.0
67.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
70°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
72.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
75°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
77.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
82.5°	0.8	0.8	0.8	0.8	0.8	0.0	0.0	0.0
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
87.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)