

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: P1315517

Luminaire Tested: LDSQA3D09R609735DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315517
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: LDSQA3D09R609735DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

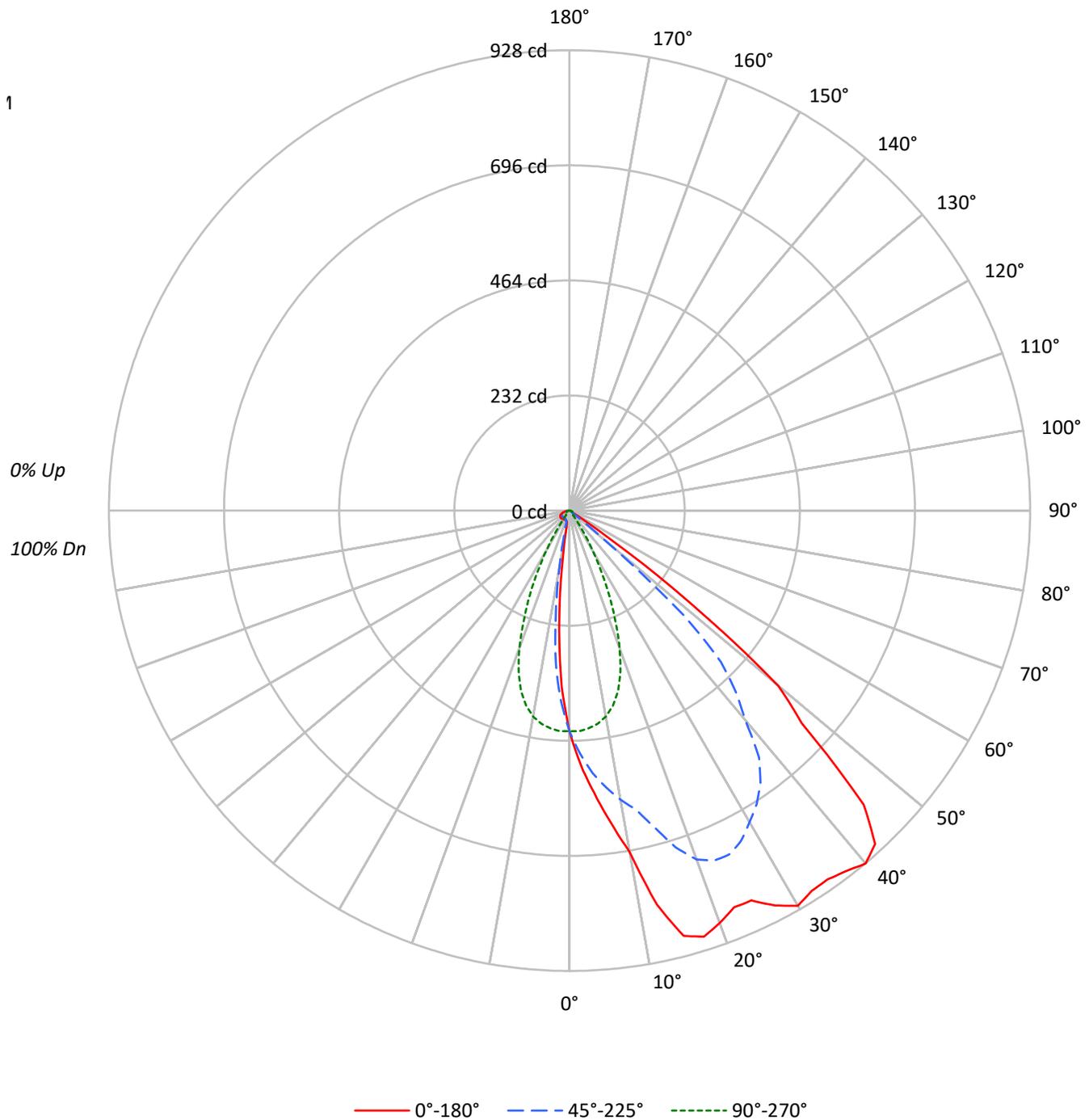
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 722.0 lumens
Efficiency: N/A
Efficacy: 65.0 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): 11.1
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	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°	76536	76536	76536	76536	76536
5°	98870	91800	76137	54215	41370
10°	122188	103476	73677	20496	6086
15°	158239	117766	67218	4493	4012
20°	162162	137182	54103	3739	3867
25°	164772	145199	36276	3630	3877
30°	182877	144237	18713	3659	4057
35°	190755	141032	5151	3869	4436
40°	208724	123674	2451	4137	4901
45°	204200	105096	2484	4481	5480
50°	147201	25936	2733	4930	6028
55°	28255	1651	2852	5315	6756
60°	1412	1653	2824	5649	7268
65°	1386	1671	2771	5827	7784
70°	1360	1712	2769	5841	7906
75°	1331	1797	2728	5922	8185
80°	694	1984	2678	6050	8133
85°	1383	1383	2766	5335	8102

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 204200 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.6	5.4
10°-20°	106.7	14.8
20°-30°	164.2	22.7
30°-40°	192.7	26.7
40°-50°	154.5	21.4
50°-60°	48.0	6.6
60°-70°	9.1	1.3
70°-80°	6.0	0.8
80°-90°	2.1	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°	309.6	42.9
0°-40°	502.3	69.6
0°-60°	704.8	97.6
0°-90°	722.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	722.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	444	444	444	444	444	
5°	572	531	440	314	239	58
15°	888	660	377	25	22	243
25°	867	764	191	19	20	409
35°	907	671	24	18	21	574
45°	838	432	10	18	22	600
55°	94	6	10	18	22	149
65°	3	4	7	14	19	3
75°	2	3	4	9	12	2
85°	1	1	1	3	4	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°	444.4	444.4	444.4	444.4	444.4	444.4	444.4	444.4	444.4	444.4	444.4
2.5°	512.6	507.2	507.2	505.1	503.1	503.7	498.3	500.3	494.9	490.8	487.4
5°	571.9	565.1	564.4	561.0	557.6	554.9	548.1	544.0	535.8	531.0	520.8
7.5°	633.3	627.8	624.4	620.3	614.2	607.4	595.8	588.3	575.3	562.4	549.4
10°	698.7	693.9	686.4	681.7	664.6	653.7	638.0	627.8	608.7	591.7	571.9
12.5°	813.2	810.5	796.2	786.6	762.1	740.3	706.2	678.9	644.8	616.9	590.3
15°	887.5	884.1	876.6	867.8	852.1	827.5	796.9	758.7	711.0	660.5	615.5
17.5°	900.5	901.2	896.4	894.3	884.1	868.4	843.9	815.3	767.5	711.7	650.3
20°	884.8	890.2	888.9	893.0	895.0	888.9	872.5	844.6	803.0	748.5	679.6
22.5°	865.7	870.5	869.1	876.6	888.2	894.3	888.9	866.4	824.1	763.5	696.0
25°	867.1	870.5	860.3	865.0	880.0	895.0	895.7	875.9	830.3	764.1	694.6
27.5°	897.1	886.8	863.7	861.6	880.0	899.1	900.5	875.9	821.4	749.8	681.0
30°	919.6	912.1	886.2	882.7	900.5	913.4	906.6	868.4	800.3	725.3	661.2
32.5°	908.6	910.0	899.1	910.0	933.2	938.6	910.0	850.7	771.0	701.4	638.0
35°	907.3	912.7	918.9	935.9	951.6	938.6	893.0	817.3	739.6	670.8	601.9
37.5°	915.5	924.3	933.2	948.2	948.2	914.8	848.0	775.0	702.1	627.1	526.9
40°	928.4	933.9	936.6	935.2	916.8	867.8	796.9	723.9	654.4	550.1	477.2
42.5°	911.4	910.7	908.0	896.4	862.3	798.2	732.1	672.8	563.0	496.2	413.1
45°	838.4	838.4	830.9	812.5	781.2	728.0	669.4	582.8	513.3	431.5	306.7
47.5°	634.6	629.9	638.0	648.9	648.9	644.2	591.0	516.0	445.1	311.5	98.2
50°	549.4	541.9	531.7	533.7	532.4	537.8	503.7	447.2	329.2	96.8	6.8
52.5°	310.8	324.5	357.9	404.9	426.0	433.5	412.4	340.1	111.1	6.1	5.5
55°	94.1	96.8	109.7	135.0	183.4	234.5	237.9	110.4	7.5	5.5	5.5
57.5°	4.1	4.1	5.5	8.2	19.1	28.6	30.7	6.8	4.8	5.5	5.5
60°	4.1	4.1	4.1	4.1	4.1	4.1	4.8	4.8	4.8	4.8	5.5
62.5°	3.4	3.4	4.1	4.1	4.1	4.1	4.1	4.1	4.8	4.8	4.8
65°	3.4	3.4	3.4	3.4	3.4	3.4	4.1	4.1	4.1	4.1	4.8
67.5°	2.7	2.7	2.7	3.4	3.4	3.4	3.4	3.4	4.1	4.1	4.1
70°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.4	3.4	3.4	3.4
72.5°	2.0	2.0	2.0	2.0	2.0	2.7	2.7	2.7	2.7	2.7	3.4
75°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.7	2.7	2.7	2.7
77.5°	1.4	1.4	1.4	1.4	1.4	2.0	2.0	2.0	2.0	2.0	2.0
80°	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.0	2.0
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
87.5°	0.0	0.0	0.0	0.0	0.7	0.7	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°	444.4	444.4	444.4	444.4	444.4	444.4	444.4	444.4
2.5°	482.6	477.2	471.0	445.1	419.9	385.8	362.6	355.8
5°	511.9	503.1	489.4	440.4	381.0	313.6	259.0	239.3
7.5°	536.5	522.8	503.7	433.5	334.7	212.7	137.0	115.9
10°	554.2	537.1	512.6	421.3	273.3	117.2	46.4	34.8
12.5°	569.2	546.7	517.4	402.9	199.0	47.7	23.9	23.9
15°	579.4	552.1	519.4	377.0	128.8	25.2	22.5	22.5
17.5°	593.7	558.3	519.4	340.8	70.2	21.8	21.8	21.8
20°	616.9	564.4	511.9	295.2	38.9	20.4	21.1	21.1
22.5°	629.2	573.3	502.4	242.0	24.5	19.8	20.4	20.4
25°	631.9	571.9	481.9	190.9	19.8	19.1	19.8	20.4
27.5°	622.4	562.4	454.7	139.1	17.7	18.4	19.8	20.4
30°	605.3	539.2	411.0	94.1	16.4	18.4	19.8	20.4
32.5°	573.3	483.3	359.9	56.6	15.7	18.4	19.8	21.1
35°	501.7	424.7	301.3	24.5	15.0	18.4	20.4	21.1
37.5°	449.9	366.1	233.1	12.3	15.0	18.4	20.4	21.8
40°	392.6	294.5	107.7	10.9	15.0	18.4	20.4	21.8
42.5°	299.2	136.3	13.0	10.9	14.3	18.4	21.1	21.8
45°	109.1	14.3	6.8	10.2	14.3	18.4	21.1	22.5
47.5°	8.2	5.5	6.1	10.2	14.3	18.4	21.1	22.5
50°	5.5	5.5	6.1	10.2	14.3	18.4	21.1	22.5
52.5°	5.5	6.1	6.1	9.5	13.6	18.4	21.1	22.5
55°	5.5	6.1	6.1	9.5	13.6	17.7	21.1	22.5
57.5°	5.5	5.5	6.1	8.9	13.0	17.0	21.1	21.8
60°	5.5	5.5	6.1	8.2	12.3	16.4	19.8	21.1
62.5°	5.5	5.5	5.5	7.5	11.6	15.7	19.1	20.4
65°	4.8	4.8	5.5	6.8	10.2	14.3	17.7	19.1
67.5°	4.1	4.8	4.8	6.1	9.5	13.0	16.4	17.7
70°	4.1	4.1	4.1	5.5	8.2	11.6	15.0	15.7
72.5°	3.4	3.4	4.1	4.8	7.5	10.2	13.6	14.3
75°	2.7	3.4	3.4	4.1	6.1	8.9	11.6	12.3
77.5°	2.7	2.7	2.7	3.4	5.5	7.5	9.5	10.2
80°	2.0	2.0	2.0	2.7	4.1	6.1	7.5	8.2
82.5°	1.4	2.0	2.0	2.0	3.4	4.1	5.5	6.1
85°	1.4	1.4	1.4	1.4	2.0	2.7	3.4	4.1
87.5°	0.7	0.7	1.4	1.4	1.4	1.4	1.4	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)