

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: P1313741

Luminaire Tested: LDSQA3D13R609727DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313741
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: LDSQA3D13R609727DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

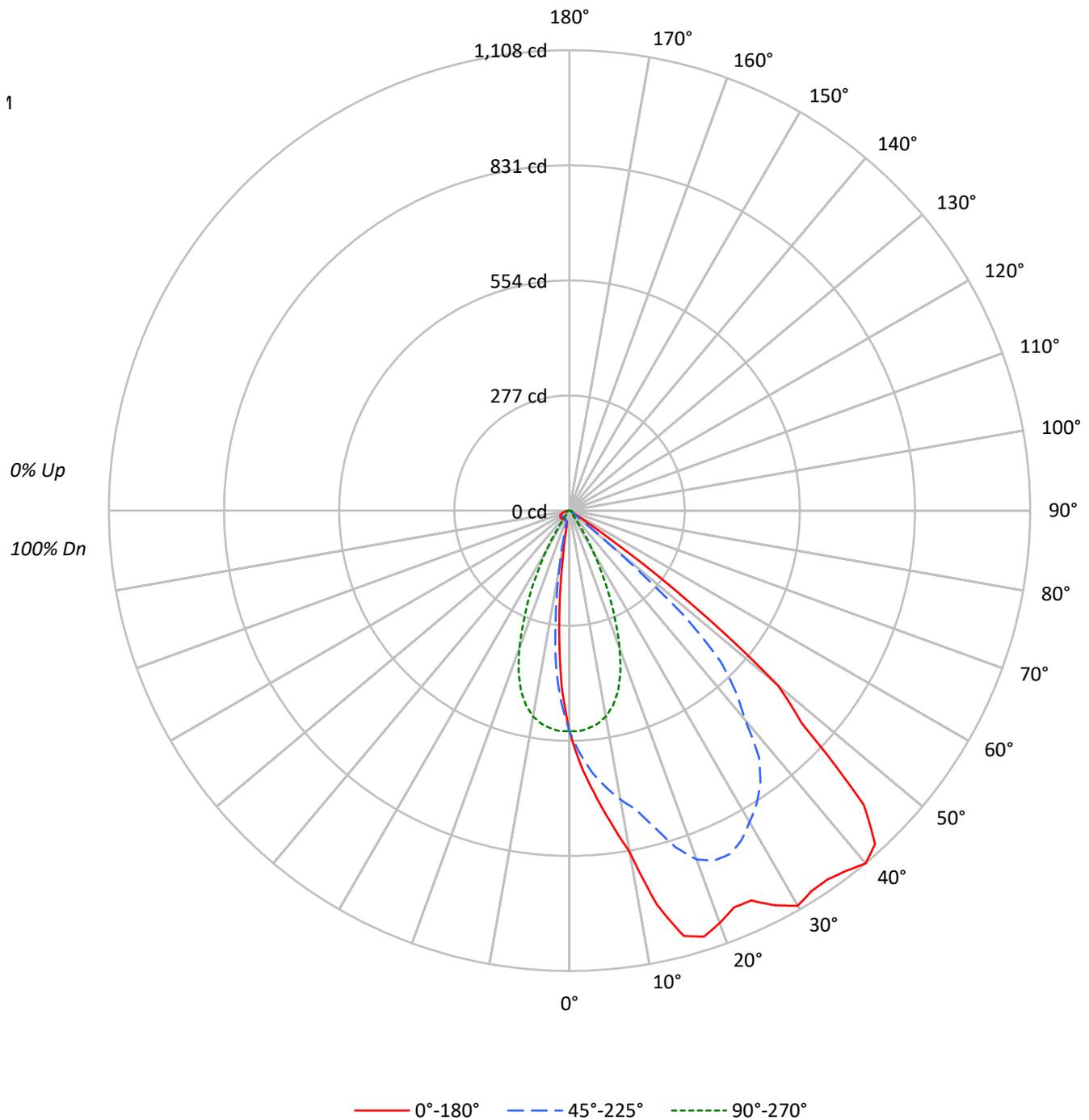
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 862.0 lumens
Efficiency: N/A
Efficacy: 59.0 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): 14.6
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	90	
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	81	
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	72	
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	65	
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	58	
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	52	
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	47	
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	43	
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	39	
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	36	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	91381	91381	91381	91381	91381
5°	118043	109606	90883	64726	49392
10°	145884	123535	87964	24483	7257
15°	188925	140606	80252	5367	4796
20°	193612	163775	64586	4472	4619
25°	196716	173361	43307	4333	4637
30°	218335	172198	22333	4375	4852
35°	227737	168364	6160	4625	5298
40°	249191	147662	2923	4946	5845
45°	243803	125482	2971	5358	6552
50°	175763	30973	3269	5894	7207
55°	33719	1952	3423	6366	8077
60°	1688	1963	3376	6717	8680
65°	1671	1997	3301	6968	9291
70°	1662	2065	3273	6949	9416
75°	1597	2196	3261	7053	9715
80°	793	2380	3273	7240	9720
85°	1581	1581	3162	6521	9683

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 243803 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.1	5.4
10°-20°	127.4	14.8
20°-30°	196.1	22.7
30°-40°	230.1	26.7
40°-50°	184.5	21.4
50°-60°	57.3	6.6
60°-70°	10.8	1.3
70°-80°	7.2	0.8
80°-90°	2.5	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°	369.6	42.9
0°-40°	599.7	69.6
0°-60°	841.5	97.6
0°-90°	862.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	862.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	531	531	531	531	531	
5°	683	634	526	374	286	70
15°	1060	789	450	30	27	290
25°	1035	912	228	23	24	489
35°	1083	801	29	22	25	686
45°	1001	515	12	22	27	716
55°	112	6	11	21	27	178
65°	4	5	8	17	23	4
75°	2	3	5	11	15	2
85°	1	1	2	3	5	1
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°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	612.0	605.5	605.5	603.1	600.6	601.4	594.9	597.4	590.8	586.0	581.9
5°	682.8	674.7	673.9	669.8	665.7	662.5	654.3	649.4	639.7	634.0	621.8
7.5°	756.1	749.5	745.5	740.6	733.3	725.1	711.3	702.3	686.9	671.4	656.0
10°	834.2	828.5	819.5	813.8	793.5	780.5	761.7	749.5	726.8	706.4	682.8
12.5°	970.9	967.7	950.6	939.2	909.9	883.8	843.1	810.6	769.9	736.5	704.8
15°	1059.6	1055.5	1046.6	1036.0	1017.3	988.0	951.4	905.8	848.8	788.6	734.9
17.5°	1075.1	1075.9	1070.2	1067.8	1055.5	1036.8	1007.5	973.3	916.4	849.6	776.4
20°	1056.4	1062.9	1061.2	1066.1	1068.6	1061.2	1041.7	1008.3	958.7	893.6	811.4
22.5°	1033.6	1039.3	1037.6	1046.6	1060.4	1067.8	1061.2	1034.4	983.9	911.5	830.9
25°	1035.2	1039.3	1027.1	1032.8	1050.7	1068.6	1069.4	1045.8	991.3	912.3	829.3
27.5°	1071.0	1058.8	1031.1	1028.7	1050.7	1073.4	1075.1	1045.8	980.7	895.2	813.0
30°	1097.9	1088.9	1058.0	1053.9	1075.1	1090.5	1082.4	1036.8	955.4	865.9	789.4
32.5°	1084.8	1086.5	1073.4	1086.5	1114.1	1120.7	1086.5	1015.7	920.4	837.4	761.7
35°	1083.2	1089.7	1097.0	1117.4	1136.1	1120.7	1066.1	975.8	883.0	800.8	718.6
37.5°	1093.0	1103.6	1114.1	1132.0	1132.0	1092.2	1012.4	925.3	838.3	748.7	629.1
40°	1108.4	1115.0	1118.2	1116.6	1094.6	1036.0	951.4	864.3	781.3	656.8	569.7
42.5°	1088.1	1087.3	1084.0	1070.2	1029.5	953.0	874.1	803.3	672.2	592.5	493.2
45°	1001.0	1001.0	992.1	970.1	932.7	869.2	799.2	695.8	612.8	515.2	366.2
47.5°	757.7	752.0	761.7	774.8	774.8	769.1	705.6	616.1	531.4	371.9	117.2
50°	656.0	647.0	634.8	637.2	635.6	642.1	601.4	533.9	393.1	115.6	8.1
52.5°	371.1	387.4	427.3	483.4	508.6	517.6	492.4	406.1	132.7	7.3	6.5
55°	112.3	115.6	131.0	161.1	218.9	280.0	284.0	131.8	9.0	6.5	6.5
57.5°	4.9	4.9	6.5	9.8	22.8	34.2	36.6	8.1	5.7	6.5	6.5
60°	4.9	4.9	4.9	4.9	4.9	4.9	5.7	5.7	5.7	5.7	6.5
62.5°	4.1	4.1	4.9	4.9	4.9	4.9	4.9	4.9	5.7	5.7	5.7
65°	4.1	4.1	4.1	4.1	4.1	4.1	4.9	4.9	4.9	4.9	5.7
67.5°	3.3	3.3	3.3	4.1	4.1	4.1	4.1	4.1	4.9	4.9	4.9
70°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	4.1	4.1	4.1	4.1
72.5°	2.4	2.4	2.4	2.4	2.4	3.3	3.3	3.3	3.3	3.3	4.1
75°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.3	3.3	3.3	3.3
77.5°	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4	2.4	2.4	2.4
80°	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.4	2.4
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6	1.6	1.6
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
87.5°	0.0	0.0	0.0	0.0	0.8	0.8	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°	530.6	530.6	530.6	530.6	530.6	530.6	530.6	530.6
2.5°	576.2	569.7	562.4	531.4	501.3	460.6	433.0	424.8
5°	611.2	600.6	584.3	525.7	454.9	374.4	309.3	285.7
7.5°	640.5	624.2	601.4	517.6	399.6	253.9	163.6	138.4
10°	661.6	641.3	612.0	503.0	326.3	140.0	55.3	41.5
12.5°	679.6	652.7	617.7	481.0	237.6	57.0	28.5	28.5
15°	691.8	659.2	620.1	450.1	153.8	30.1	26.9	26.9
17.5°	708.9	666.5	620.1	406.9	83.8	26.0	26.0	26.0
20°	736.5	673.9	611.2	352.4	46.4	24.4	25.2	25.2
22.5°	751.2	684.4	599.8	288.9	29.3	23.6	24.4	24.4
25°	754.4	682.8	575.4	227.9	23.6	22.8	23.6	24.4
27.5°	743.0	671.4	542.8	166.0	21.2	22.0	23.6	24.4
30°	722.7	643.7	490.7	112.3	19.5	22.0	23.6	24.4
32.5°	684.4	577.0	429.7	67.5	18.7	22.0	23.6	25.2
35°	599.0	507.0	359.7	29.3	17.9	22.0	24.4	25.2
37.5°	537.1	437.0	278.3	14.6	17.9	22.0	24.4	26.0
40°	468.8	351.6	128.6	13.0	17.9	22.0	24.4	26.0
42.5°	357.3	162.8	15.5	13.0	17.1	22.0	25.2	26.0
45°	130.2	17.1	8.1	12.2	17.1	22.0	25.2	26.9
47.5°	9.8	6.5	7.3	12.2	17.1	22.0	25.2	26.9
50°	6.5	6.5	7.3	12.2	17.1	22.0	25.2	26.9
52.5°	6.5	7.3	7.3	11.4	16.3	22.0	25.2	26.9
55°	6.5	7.3	7.3	11.4	16.3	21.2	25.2	26.9
57.5°	6.5	6.5	7.3	10.6	15.5	20.3	25.2	26.0
60°	6.5	6.5	7.3	9.8	14.6	19.5	23.6	25.2
62.5°	6.5	6.5	6.5	9.0	13.8	18.7	22.8	24.4
65°	5.7	5.7	6.5	8.1	12.2	17.1	21.2	22.8
67.5°	4.9	5.7	5.7	7.3	11.4	15.5	19.5	21.2
70°	4.9	4.9	4.9	6.5	9.8	13.8	17.9	18.7
72.5°	4.1	4.1	4.9	5.7	9.0	12.2	16.3	17.1
75°	3.3	4.1	4.1	4.9	7.3	10.6	13.8	14.6
77.5°	3.3	3.3	3.3	4.1	6.5	9.0	11.4	12.2
80°	2.4	2.4	2.4	3.3	4.9	7.3	9.0	9.8
82.5°	1.6	2.4	2.4	2.4	4.1	4.9	6.5	7.3
85°	1.6	1.6	1.6	1.6	2.4	3.3	4.1	4.9
87.5°	0.8	0.8	1.6	1.6	1.6	1.6	1.6	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)