

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: P1307220

Luminaire Tested: LDSQA3D13R609024DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307220
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: LDSQA3D13R609024DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 2400K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

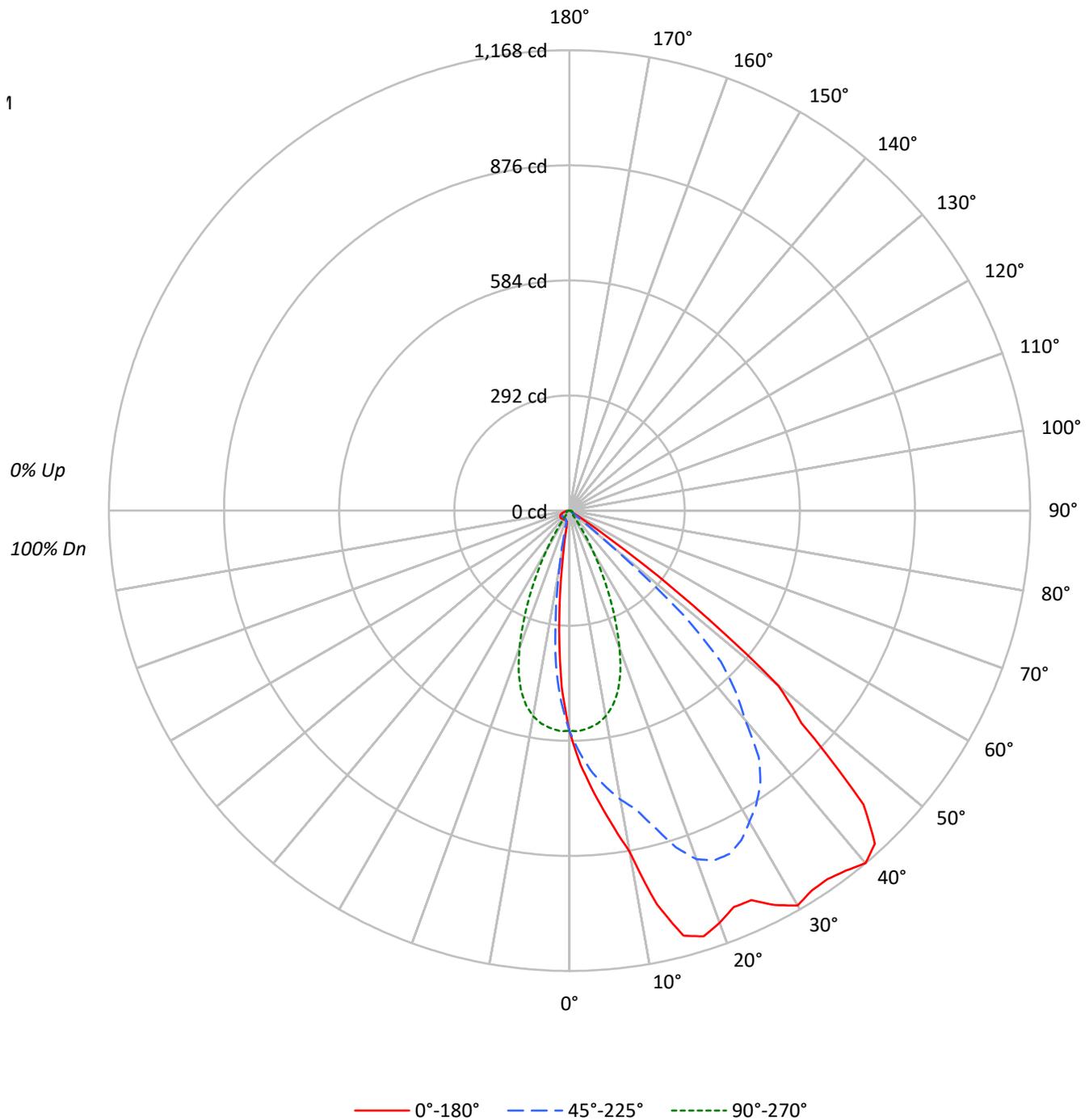
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 908.0 lumens
Efficiency: N/A
Efficacy: 62.2 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 (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	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°	96255	96255	96255	96255	96255
5°	124336	115450	95741	68167	52020
10°	153667	130128	92651	25777	7642
15°	199016	148112	84531	5652	5046
20°	203931	172517	68032	4710	4875
25°	207205	182616	45606	4561	4884
30°	229988	181385	23526	4594	5111
35°	239890	177342	6497	4857	5593
40°	262501	155531	3080	5193	6160
45°	256809	132155	3142	5626	6893
50°	185140	32607	3456	6189	7582
55°	35521	2072	3603	6696	8497
60°	1757	2067	3548	7096	9162
65°	1752	2078	3505	7335	9780
70°	1712	2165	3474	7352	9920
75°	1730	2262	3394	7386	10247
80°	893	2579	3372	7637	10215
85°	1778	1778	3359	6719	10078

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 256809 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.6	5.4
10°-20°	134.2	14.8
20°-30°	206.6	22.7
30°-40°	242.3	26.7
40°-50°	194.3	21.4
50°-60°	60.3	6.6
60°-70°	11.4	1.3
70°-80°	7.6	0.8
80°-90°	2.6	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°	389.3	42.9
0°-40°	631.7	69.6
0°-60°	886.4	97.6
0°-90°	908.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	908.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	559	559	559	559	559	
5°	719	668	554	394	301	73
15°	1116	831	474	32	28	306
25°	1090	961	240	24	26	515
35°	1141	844	31	23	27	722
45°	1054	543	13	23	28	755
55°	118	7	12	22	28	187
65°	4	5	9	18	24	4
75°	3	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°	558.9	558.9	558.9	558.9	558.9	558.9	558.9	558.9	558.9	558.9	558.9
2.5°	644.7	637.8	637.8	635.2	632.7	633.5	626.7	629.2	622.4	617.2	612.9
5°	719.2	710.7	709.8	705.5	701.2	697.8	689.2	684.1	673.8	667.8	655.0
7.5°	796.4	789.5	785.3	780.1	772.4	763.8	749.2	739.8	723.5	707.2	691.0
10°	878.7	872.7	863.3	857.3	835.8	822.1	802.4	789.5	765.5	744.1	719.2
12.5°	1022.7	1019.3	1001.3	989.3	958.4	931.0	888.1	853.8	811.0	775.8	742.4
15°	1116.2	1111.9	1102.4	1091.3	1071.6	1040.7	1002.1	954.1	894.1	830.7	774.1
17.5°	1132.4	1133.3	1127.3	1124.7	1111.9	1092.2	1061.3	1025.3	965.3	895.0	817.8
20°	1112.7	1119.6	1117.9	1123.0	1125.6	1117.9	1097.3	1062.2	1009.9	941.3	854.7
22.5°	1088.7	1094.7	1093.0	1102.4	1117.0	1124.7	1117.9	1089.6	1036.4	960.1	875.3
25°	1090.4	1094.7	1081.9	1087.9	1106.7	1125.6	1126.4	1101.6	1044.1	961.0	873.6
27.5°	1128.2	1115.3	1086.2	1083.6	1106.7	1130.7	1132.4	1101.6	1033.0	943.0	856.4
30°	1156.5	1147.0	1114.4	1110.2	1132.4	1148.7	1140.2	1092.2	1006.4	912.1	831.5
32.5°	1142.7	1144.4	1130.7	1144.4	1173.6	1180.5	1144.4	1069.9	969.6	882.1	802.4
35°	1141.0	1147.9	1155.6	1177.0	1196.7	1180.5	1123.0	1027.9	930.1	843.5	757.0
37.5°	1151.3	1162.5	1173.6	1192.5	1192.5	1150.4	1066.4	974.7	883.0	788.7	662.7
40°	1167.6	1174.5	1177.9	1176.2	1153.0	1091.3	1002.1	910.4	823.0	691.8	600.1
42.5°	1146.2	1145.3	1141.9	1127.3	1084.4	1003.9	920.7	846.1	708.1	624.1	519.5
45°	1054.4	1054.4	1045.0	1021.9	982.4	915.6	841.8	733.0	645.5	542.6	385.8
47.5°	798.1	792.1	802.4	816.1	816.1	810.1	743.2	648.9	559.8	391.8	123.4
50°	691.0	681.5	668.7	671.2	669.5	676.4	633.5	562.4	414.1	121.7	8.6
52.5°	390.9	408.1	450.1	509.2	535.8	545.2	518.6	427.8	139.7	7.7	6.9
55°	118.3	121.7	138.0	169.7	230.6	294.9	299.2	138.9	9.4	6.9	6.9
57.5°	5.1	5.1	6.9	10.3	24.0	36.0	38.6	8.6	6.0	6.9	6.9
60°	5.1	5.1	5.1	5.1	5.1	5.1	6.0	6.0	6.0	6.0	6.9
62.5°	4.3	4.3	5.1	5.1	5.1	5.1	5.1	5.1	6.0	6.0	6.0
65°	4.3	4.3	4.3	4.3	4.3	4.3	5.1	5.1	5.1	5.1	6.0
67.5°	3.4	3.4	3.4	4.3	4.3	4.3	4.3	4.3	5.1	5.1	5.1
70°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.3	4.3	4.3	4.3
72.5°	2.6	2.6	2.6	2.6	2.6	3.4	3.4	3.4	3.4	3.4	4.3
75°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.4	3.4	3.4	3.4
77.5°	1.7	1.7	1.7	1.7	1.7	2.6	2.6	2.6	2.6	2.6	2.6
80°	0.9	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.6	2.6
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.7	1.7	1.7	1.7	1.7
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.7
87.5°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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°	558.9	558.9	558.9	558.9	558.9	558.9	558.9	558.9
2.5°	606.9	600.1	592.4	559.8	528.1	485.2	456.1	447.5
5°	643.8	632.7	615.5	553.8	479.2	394.3	325.8	300.9
7.5°	674.7	657.5	633.5	545.2	420.9	267.5	172.3	145.7
10°	697.0	675.5	644.7	529.8	343.8	147.4	58.3	43.7
12.5°	715.8	687.5	650.7	506.6	250.3	60.0	30.0	30.0
15°	728.7	694.4	653.2	474.1	162.0	31.7	28.3	28.3
17.5°	746.7	702.1	653.2	428.6	88.3	27.4	27.4	27.4
20°	775.8	709.8	643.8	371.2	48.9	25.7	26.6	26.6
22.5°	791.3	721.0	631.8	304.3	30.9	24.9	25.7	25.7
25°	794.7	719.2	606.1	240.0	24.9	24.0	24.9	25.7
27.5°	782.7	707.2	571.8	174.9	22.3	23.1	24.9	25.7
30°	761.3	678.1	516.9	118.3	20.6	23.1	24.9	25.7
32.5°	721.0	607.8	452.6	71.2	19.7	23.1	24.9	26.6
35°	630.9	534.1	378.9	30.9	18.9	23.1	25.7	26.6
37.5°	565.8	460.4	293.2	15.4	18.9	23.1	25.7	27.4
40°	493.8	370.3	135.4	13.7	18.9	23.1	25.7	27.4
42.5°	376.3	171.5	16.3	13.7	18.0	23.1	26.6	27.4
45°	137.2	18.0	8.6	12.9	18.0	23.1	26.6	28.3
47.5°	10.3	6.9	7.7	12.9	18.0	23.1	26.6	28.3
50°	6.9	6.9	7.7	12.9	18.0	23.1	26.6	28.3
52.5°	6.9	7.7	7.7	12.0	17.1	23.1	26.6	28.3
55°	6.9	7.7	7.7	12.0	17.1	22.3	26.6	28.3
57.5°	6.9	6.9	7.7	11.1	16.3	21.4	26.6	27.4
60°	6.9	6.9	7.7	10.3	15.4	20.6	24.9	26.6
62.5°	6.9	6.9	6.9	9.4	14.6	19.7	24.0	25.7
65°	6.0	6.0	6.9	8.6	12.9	18.0	22.3	24.0
67.5°	5.1	6.0	6.0	7.7	12.0	16.3	20.6	22.3
70°	5.1	5.1	5.1	6.9	10.3	14.6	18.9	19.7
72.5°	4.3	4.3	5.1	6.0	9.4	12.9	17.1	18.0
75°	3.4	4.3	4.3	5.1	7.7	11.1	14.6	15.4
77.5°	3.4	3.4	3.4	4.3	6.9	9.4	12.0	12.9
80°	2.6	2.6	2.6	3.4	5.1	7.7	9.4	10.3
82.5°	1.7	2.6	2.6	2.6	4.3	5.1	6.9	7.7
85°	1.7	1.7	1.7	1.7	2.6	3.4	4.3	5.1
87.5°	0.9	0.9	1.7	1.7	1.7	1.7	1.7	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)