

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: P1309317

Luminaire Tested: LDSQA3D13R659030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309317
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R659030DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

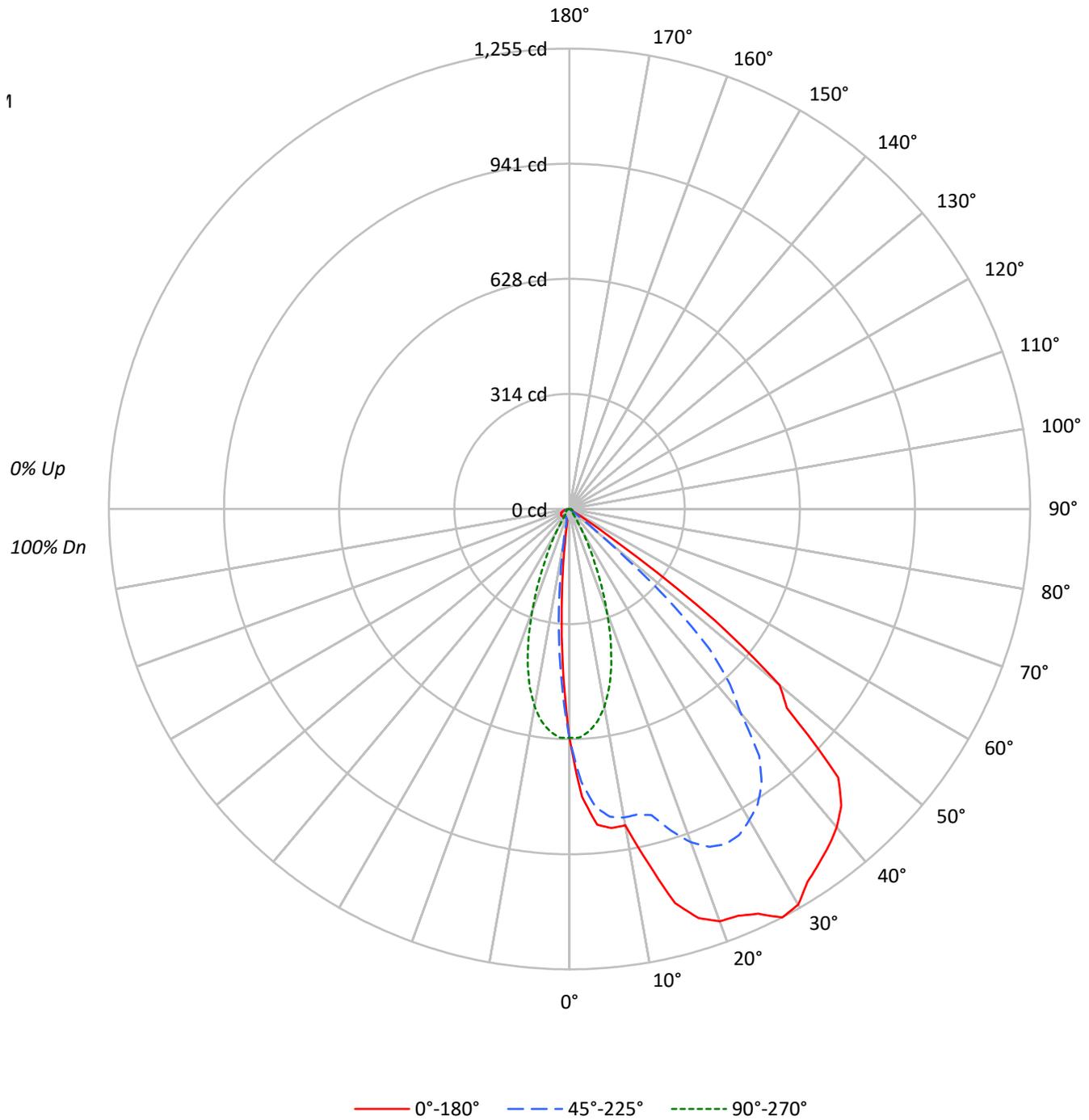
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 935.0 lumens
Efficiency: N/A
Efficacy: 64.0 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
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	110	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	81	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	68	61	56	66	60	55	64	59	55	63	58	54	63	58	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	107432	107432	107432	107432	107432
5°	149334	140932	105163	57777	40644
10°	153107	149365	95659	16141	5946
15°	198357	154014	78308	5188	5028
20°	219216	177191	54488	4637	4802
25°	231357	191471	30841	4428	4808
30°	247727	194769	13921	4435	5031
35°	248615	191828	4499	4688	5508
40°	254699	162973	3058	5014	6115
45°	252279	131352	3069	5431	6625
50°	200198	30973	3135	5975	7556
55°	47561	1742	3213	6696	8467
60°	1688	1998	3686	7027	9024
65°	1997	1997	3545	7539	9903
70°	1460	1964	3424	7352	10272
75°	1264	1930	3261	7785	10314
80°	992	1884	3868	7736	10612
85°	1976	3754	3754	7707	9683

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 252742 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	5.6
10°-20°	137.1	14.7
20°-30°	215.4	23.0
30°-40°	246.4	26.3
40°-50°	198.0	21.2
50°-60°	64.4	6.9
60°-70°	11.4	1.2
70°-80°	7.6	0.8
80°-90°	2.7	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°	404.5	43.3
0°-40°	650.9	69.6
0°-60°	913.3	97.7
0°-90°	935.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	935.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	624	624	624	624	624	
5°	864	815	608	334	235	82
15°	1112	864	439	29	28	310
25°	1218	1008	162	23	25	567
35°	1182	912	21	22	26	743
45°	1036	539	13	22	27	745
55°	158	6	11	22	28	226
65°	5	5	9	18	24	4
75°	2	3	5	12	16	2
85°	1	2	2	4	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°	623.8	623.8	623.8	623.8	623.8	623.8	623.8	623.8	623.8	623.8	623.8
2.5°	785.1	782.2	786.1	779.3	778.3	771.5	767.6	765.7	756.9	745.3	734.6
5°	863.8	852.1	855.1	854.1	849.2	846.3	842.4	837.6	825.9	815.2	801.6
7.5°	877.4	867.7	869.6	870.6	867.7	866.7	865.7	863.8	856.0	846.3	834.7
10°	875.5	865.7	864.8	861.9	858.9	859.9	859.9	859.9	858.0	854.1	850.2
12.5°	988.2	974.6	971.7	951.3	932.8	900.7	880.3	860.9	852.1	853.1	850.2
15°	1112.5	1111.6	1101.9	1082.4	1051.3	1022.2	975.5	940.6	895.9	863.8	850.2
17.5°	1168.9	1167.9	1159.2	1142.7	1120.3	1093.1	1059.1	1018.3	968.7	919.2	878.4
20°	1196.1	1202.9	1193.2	1179.6	1158.2	1132.9	1100.9	1064.0	1017.3	966.8	918.2
22.5°	1200.0	1208.7	1200.0	1190.3	1174.7	1158.2	1131.0	1093.1	1045.5	996.9	949.3
25°	1217.5	1220.4	1201.9	1189.3	1174.7	1163.1	1141.7	1108.7	1060.1	1007.6	961.0
27.5°	1255.4	1242.7	1203.9	1186.4	1172.8	1162.1	1141.7	1107.7	1055.2	1001.8	953.2
30°	1245.7	1240.8	1206.8	1190.3	1178.6	1167.9	1142.7	1098.9	1035.8	979.4	928.9
32.5°	1205.8	1215.5	1203.9	1198.1	1192.2	1178.6	1141.7	1082.4	1011.5	954.2	886.1
35°	1182.5	1194.2	1195.1	1195.1	1188.3	1167.9	1124.2	1058.1	987.2	912.4	821.0
37.5°	1159.2	1168.9	1174.7	1178.6	1168.9	1139.8	1084.4	1025.1	947.4	849.2	688.9
40°	1132.9	1139.8	1144.6	1146.6	1132.0	1094.1	1043.6	976.5	889.1	724.9	615.1
42.5°	1096.0	1099.9	1098.9	1098.0	1082.4	1040.6	993.0	923.1	750.1	646.2	513.0
45°	1035.8	1031.9	1037.7	1037.7	1017.3	986.2	923.1	787.0	671.4	539.3	330.4
47.5°	802.6	805.5	833.7	879.3	907.5	898.8	813.3	688.9	564.5	353.7	109.8
50°	747.2	744.3	745.3	750.1	753.0	728.7	667.5	582.0	373.1	115.6	7.8
52.5°	501.4	504.3	526.6	578.1	594.7	577.2	518.9	388.7	136.0	7.8	6.8
55°	158.4	169.1	181.7	208.9	256.5	286.6	280.8	138.0	8.7	5.8	6.8
57.5°	5.8	5.8	7.8	13.6	26.2	42.8	44.7	8.7	6.8	6.8	6.8
60°	4.9	4.9	4.9	4.9	4.9	4.9	5.8	5.8	5.8	5.8	5.8
62.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.8	5.8	5.8	5.8
65°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.8
67.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.9	4.9	4.9	4.9
70°	2.9	2.9	2.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.9
72.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9
75°	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.9	2.9	2.9
80°	1.0	1.0	1.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.9
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9	1.9
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9
87.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	623.8	623.8	623.8	623.8	623.8	623.8	623.8	623.8
2.5°	728.7	717.1	693.8	623.8	550.9	478.1	432.4	420.7
5°	786.1	772.5	739.4	608.3	460.6	334.2	262.3	235.1
7.5°	821.0	804.5	765.7	584.0	358.5	194.3	116.6	93.3
10°	836.6	822.0	778.3	547.0	259.4	92.3	40.8	34.0
12.5°	843.4	831.7	783.2	498.5	169.1	40.8	30.1	29.1
15°	846.3	833.7	781.2	439.2	96.2	29.1	28.2	28.2
17.5°	849.2	834.7	769.6	371.2	53.4	27.2	26.2	27.2
20°	872.5	830.8	749.1	297.3	35.0	25.3	25.3	26.2
22.5°	895.9	829.8	713.2	227.4	27.2	24.3	25.3	25.3
25°	903.6	820.1	667.5	162.3	23.3	23.3	24.3	25.3
27.5°	889.1	791.9	606.3	109.8	20.4	23.3	24.3	25.3
30°	855.1	744.3	532.5	70.0	19.4	22.3	24.3	25.3
32.5°	791.9	650.0	449.9	41.8	18.5	22.3	25.3	25.3
35°	665.6	545.1	356.6	21.4	18.5	22.3	25.3	26.2
37.5°	582.0	454.7	248.7	14.6	18.5	22.3	25.3	26.2
40°	482.9	328.4	104.0	13.6	18.5	22.3	25.3	27.2
42.5°	334.2	142.8	16.5	12.6	17.5	22.3	26.2	27.2
45°	120.5	18.5	7.8	12.6	17.5	22.3	26.2	27.2
47.5°	10.7	6.8	7.8	12.6	17.5	22.3	26.2	28.2
50°	6.8	6.8	6.8	11.7	17.5	22.3	26.2	28.2
52.5°	6.8	6.8	6.8	11.7	16.5	22.3	27.2	28.2
55°	6.8	6.8	6.8	10.7	16.5	22.3	26.2	28.2
57.5°	6.8	6.8	7.8	10.7	16.5	21.4	26.2	27.2
60°	6.8	6.8	6.8	10.7	15.5	20.4	25.3	26.2
62.5°	5.8	6.8	6.8	9.7	14.6	19.4	24.3	25.3
65°	5.8	5.8	6.8	8.7	13.6	18.5	22.3	24.3
67.5°	4.9	5.8	5.8	7.8	11.7	16.5	20.4	22.3
70°	4.9	4.9	4.9	6.8	10.7	14.6	19.4	20.4
72.5°	3.9	4.9	4.9	5.8	8.7	12.6	16.5	18.5
75°	3.9	3.9	3.9	4.9	7.8	11.7	14.6	15.5
77.5°	2.9	2.9	3.9	3.9	6.8	8.7	12.6	13.6
80°	2.9	2.9	2.9	3.9	4.9	7.8	9.7	10.7
82.5°	1.9	1.9	1.9	2.9	3.9	4.9	6.8	7.8
85°	1.9	1.9	1.9	1.9	2.9	3.9	4.9	4.9
87.5°	1.0	1.0	1.0	1.9	1.9	1.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)