

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: P1315524

Luminaire Tested: LDSQA3D09R659735DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315524
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: LDSQA3D09R659735DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

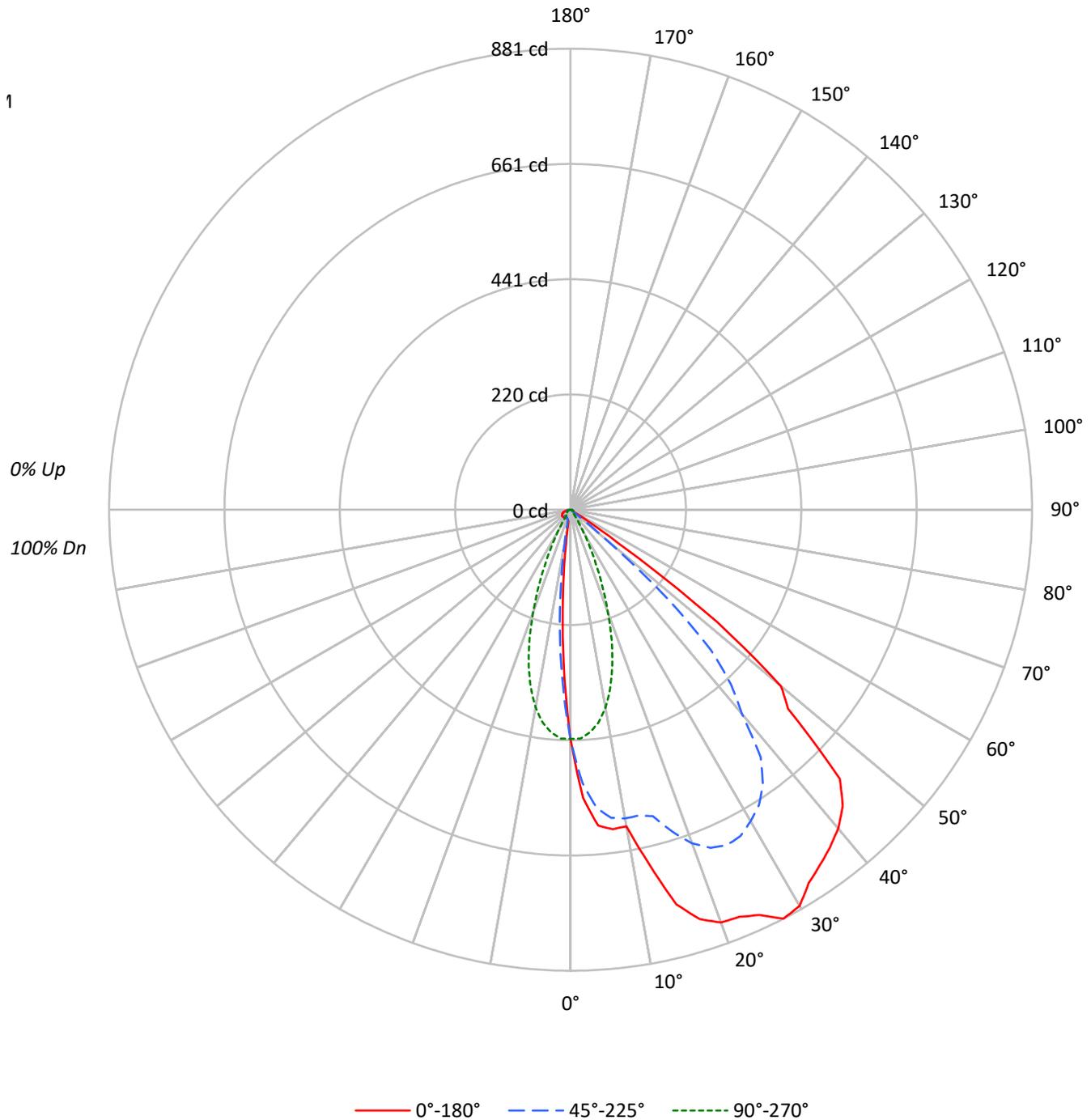
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 656.0 lumens
Efficiency: N/A
Efficacy: 59.1 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): 11.1
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

TEST NUMBER: P1315524
CATALOG NUMBER: LDSQA3D09R659735DE010 3LSQCA30R 1MW

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	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°	75382	75382	75382	75382	75382
5°	104766	98888	73785	40540	28525
10°	107411	104788	67119	11332	4180
15°	139179	108049	54934	3655	3530
20°	153805	124316	38231	3244	3372
25°	162321	134330	21625	3116	3363
30°	173809	136660	9764	3122	3520
35°	174419	134578	3154	3301	3869
40°	178710	114344	2136	3530	4294
45°	176995	92163	2168	3824	4652
50°	140449	21729	2197	4207	5305
55°	33359	1231	2252	4714	5945
60°	1171	1412	2583	4926	6338
65°	1386	1386	2486	5298	6928
70°	1007	1360	2417	5136	7201
75°	932	1331	2262	5456	7253
80°	694	1389	2678	5455	7438
85°	1383	2766	2766	5335	6719

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 177336 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.5	5.6
10°-20°	96.2	14.7
20°-30°	151.1	23.0
30°-40°	172.8	26.3
40°-50°	138.9	21.2
50°-60°	45.2	6.9
60°-70°	8.0	1.2
70°-80°	5.3	0.8
80°-90°	1.9	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°	283.8	43.3
0°-40°	456.6	69.6
0°-60°	640.8	97.7
0°-90°	656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	656.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	438	438	438	438	438	
5°	606	572	427	234	165	57
15°	781	606	308	20	20	217
25°	854	707	114	16	18	398
35°	830	640	15	16	18	521
45°	727	378	9	16	19	523
55°	111	4	8	16	20	159
65°	3	3	6	13	17	3
75°	1	2	3	8	11	2
85°	1	1	1	3	3	0
90°	0	0	0	0	0	



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CATALOG NUMBER: LDSQA3D09R659735DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	437.7	437.7	437.7	437.7	437.7	437.7	437.7	437.7	437.7	437.7	437.7
2.5°	550.8	548.8	551.5	546.7	546.1	541.3	538.6	537.2	531.1	522.9	515.4
5°	606.0	597.9	599.9	599.2	595.8	593.8	591.0	587.6	579.5	572.0	562.4
7.5°	615.6	608.8	610.1	610.8	608.8	608.1	607.4	606.0	600.6	593.8	585.6
10°	614.2	607.4	606.7	604.7	602.6	603.3	603.3	603.3	602.0	599.2	596.5
12.5°	693.3	683.8	681.7	667.4	654.4	632.0	617.6	604.0	597.9	598.5	596.5
15°	780.6	779.9	773.1	759.4	737.6	717.2	684.4	659.9	628.5	606.0	596.5
17.5°	820.1	819.4	813.3	801.7	786.0	766.9	743.1	714.4	679.7	644.9	616.3
20°	839.2	844.0	837.1	827.6	812.6	794.9	772.4	746.5	713.8	678.3	644.2
22.5°	841.9	848.1	841.9	835.1	824.2	812.6	793.5	766.9	733.5	699.4	666.0
25°	854.2	856.2	843.3	834.4	824.2	816.0	801.0	777.8	743.8	706.9	674.2
27.5°	880.8	871.9	844.6	832.4	822.8	815.3	801.0	777.2	740.3	702.9	668.8
30°	874.0	870.6	846.7	835.1	826.9	819.4	801.7	771.0	726.7	687.2	651.7
32.5°	846.0	852.8	844.6	840.6	836.5	826.9	801.0	759.4	709.7	669.4	621.7
35°	829.6	837.8	838.5	838.5	833.7	819.4	788.7	742.4	692.6	640.1	576.1
37.5°	813.3	820.1	824.2	826.9	820.1	799.7	760.8	719.2	664.7	595.8	483.3
40°	794.9	799.7	803.1	804.4	794.2	767.6	732.2	685.1	623.8	508.6	431.5
42.5°	769.0	771.7	771.0	770.3	759.4	730.1	696.7	647.6	526.3	453.3	359.9
45°	726.7	724.0	728.1	728.1	713.8	691.9	647.6	552.2	471.1	378.4	231.8
47.5°	563.1	565.1	584.9	617.0	636.7	630.6	570.6	483.3	396.1	248.1	77.0
50°	524.2	522.2	522.9	526.3	528.3	511.3	468.3	408.3	261.8	81.1	5.5
52.5°	351.8	353.8	369.5	405.6	417.2	404.9	364.0	272.7	95.4	5.5	4.8
55°	111.1	118.6	127.5	146.6	180.0	201.1	197.0	96.8	6.1	4.1	4.8
57.5°	4.1	4.1	5.5	9.5	18.4	30.0	31.4	6.1	4.8	4.8	4.8
60°	3.4	3.4	3.4	3.4	3.4	3.4	4.1	4.1	4.1	4.1	4.1
62.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.1	4.1	4.1	4.1
65°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	4.1
67.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.4	3.4	3.4	3.4
70°	2.0	2.0	2.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.4
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.7	2.7	2.7
75°	1.4	1.4	1.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
77.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.0	2.0	2.0
80°	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.0
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	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	1.4	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



TEST NUMBER: P1315524

CATALOG NUMBER: LDSQA3D09R659735DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	437.7	437.7	437.7	437.7	437.7	437.7	437.7	437.7
2.5°	511.3	503.1	486.7	437.7	386.5	335.4	303.4	295.2
5°	551.5	542.0	518.8	426.8	323.1	234.5	184.1	165.0
7.5°	576.1	564.5	537.2	409.7	251.6	136.3	81.8	65.4
10°	587.0	576.7	546.1	383.8	182.0	64.8	28.6	23.9
12.5°	591.7	583.6	549.5	349.7	118.6	28.6	21.1	20.5
15°	593.8	584.9	548.1	308.1	67.5	20.5	19.8	19.8
17.5°	595.8	585.6	539.9	260.4	37.5	19.1	18.4	19.1
20°	612.2	582.9	525.6	208.6	24.5	17.7	17.7	18.4
22.5°	628.5	582.2	500.4	159.5	19.1	17.0	17.7	17.7
25°	634.0	575.4	468.3	113.8	16.4	16.4	17.0	17.7
27.5°	623.8	555.6	425.4	77.0	14.3	16.4	17.0	17.7
30°	599.9	522.2	373.6	49.1	13.6	15.7	17.0	17.7
32.5°	555.6	456.1	315.6	29.3	13.0	15.7	17.7	17.7
35°	467.0	382.4	250.2	15.0	13.0	15.7	17.7	18.4
37.5°	408.3	319.0	174.5	10.2	13.0	15.7	17.7	18.4
40°	338.8	230.4	72.9	9.5	13.0	15.7	17.7	19.1
42.5°	234.5	100.2	11.6	8.9	12.3	15.7	18.4	19.1
45°	84.5	13.0	5.5	8.9	12.3	15.7	18.4	19.1
47.5°	7.5	4.8	5.5	8.9	12.3	15.7	18.4	19.8
50°	4.8	4.8	4.8	8.2	12.3	15.7	18.4	19.8
52.5°	4.8	4.8	4.8	8.2	11.6	15.7	19.1	19.8
55°	4.8	4.8	4.8	7.5	11.6	15.7	18.4	19.8
57.5°	4.8	4.8	5.5	7.5	11.6	15.0	18.4	19.1
60°	4.8	4.8	4.8	7.5	10.9	14.3	17.7	18.4
62.5°	4.1	4.8	4.8	6.8	10.2	13.6	17.0	17.7
65°	4.1	4.1	4.8	6.1	9.5	13.0	15.7	17.0
67.5°	3.4	4.1	4.1	5.5	8.2	11.6	14.3	15.7
70°	3.4	3.4	3.4	4.8	7.5	10.2	13.6	14.3
72.5°	2.7	3.4	3.4	4.1	6.1	8.9	11.6	13.0
75°	2.7	2.7	2.7	3.4	5.5	8.2	10.2	10.9
77.5°	2.0	2.0	2.7	2.7	4.8	6.1	8.9	9.5
80°	2.0	2.0	2.0	2.7	3.4	5.5	6.8	7.5
82.5°	1.4	1.4	1.4	2.0	2.7	3.4	4.8	5.5
85°	1.4	1.4	1.4	1.4	2.0	2.7	3.4	3.4
87.5°	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)