

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: P1307712

Luminaire Tested: LDSQA3D02R709027DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307712
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R709027DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

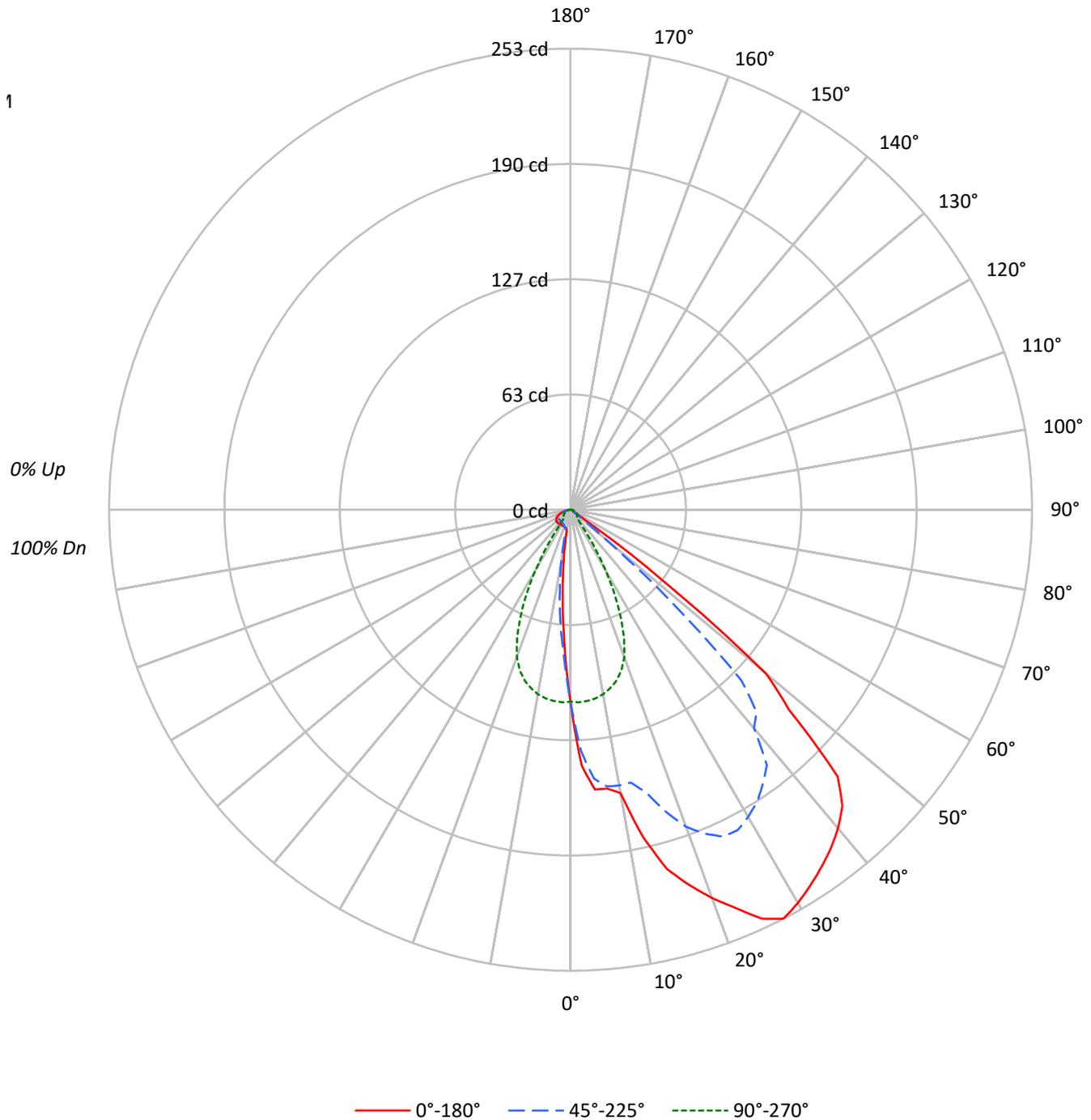
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 200.0 lumens
Efficiency: N/A
Efficacy: 55.6 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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

TEST NUMBER: P1307712
CATALOG NUMBER: LDSQA3D02R709027DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1307712

CATALOG NUMBER: LDSQA3D02R709027DE010 3LSQCA30R 1MW

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	100				
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90				
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80				
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	71				
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64				
5	84	74	66	61	82	73	66	60	71	65	60	69	64	59	67	62	59	57				
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51				
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46				
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42				
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	38				
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	18135	18135	18135	18135	18135
5°	26641	25621	18204	10874	8506
10°	27613	26861	17978	5194	2099
15°	36373	28652	17313	1854	1819
20°	41549	33943	15762	1796	1833
25°	47051	37606	12371	1729	1805
30°	49557	38719	7676	1710	1949
35°	50375	38643	2523	1766	2060
40°	51282	35162	1214	1888	2248
45°	50466	32272	1267	1997	2436
50°	37510	5948	1286	2197	2679
55°	3003	811	1351	2312	2852
60°	620	861	1343	2342	2962
65°	652	815	1304	2323	3056
70°	554	806	1259	2165	2971
75°	466	732	1065	2129	2861
80°	496	694	1091	1984	2678
85°	395	988	1383	1778	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 51074 cd/sqm



TEST NUMBER: P1307712

CATALOG NUMBER: LDSQA3D02R709027DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	4.8
10°-20°	27.0	13.5
20°-30°	45.2	22.6
30°-40°	54.4	27.2
40°-50°	43.1	21.6
50°-60°	13.8	6.9
60°-70°	3.9	1.9
70°-80°	2.3	1.2
80°-90°	0.7	0.4
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°	81.8	40.9
0°-40°	136.2	68.1
0°-60°	193.1	96.6
0°-90°	200.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	200.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	105	105	105	105	105	
5°	154	148	105	63	49	14
15°	204	161	97	10	10	57
25°	248	198	65	9	10	113
35°	240	184	12	8	10	150
45°	207	132	5	8	10	149
55°	10	3	4	8	10	31
65°	2	2	3	6	8	2
75°	1	1	2	3	4	1
85°	0	0	1	1	1	0
90°	0	0	0	0	0	



TEST NUMBER: P1307712

CATALOG NUMBER: LDSQA3D02R709027DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3
2.5°	140.5	141.4	141.4	140.2	140.7	138.9	137.5	135.5	135.0	132.5	129.4
5°	154.1	153.6	153.6	152.7	153.2	152.5	151.8	151.4	150.0	148.2	146.4
7.5°	154.3	154.8	155.0	154.8	155.7	155.0	155.0	155.0	154.1	153.2	151.4
10°	157.9	157.3	156.6	155.0	154.1	153.4	153.4	153.6	154.1	153.6	152.5
12.5°	184.0	181.6	180.4	176.6	173.6	168.6	162.9	158.6	154.8	153.4	152.5
15°	204.0	203.6	201.3	197.7	194.0	188.1	181.6	175.0	167.9	160.7	155.5
17.5°	215.8	214.9	212.6	208.8	204.5	199.0	193.8	188.8	182.0	173.8	165.4
20°	226.7	224.7	221.7	217.2	212.9	207.6	202.0	197.2	191.5	185.2	175.4
22.5°	236.5	234.7	229.9	223.8	219.4	214.5	209.5	204.9	199.7	192.4	183.6
25°	247.6	243.5	235.8	227.8	222.6	218.5	214.9	211.3	205.8	197.9	187.5
27.5°	253.0	247.4	239.0	231.0	226.0	221.7	217.9	214.2	208.1	198.3	186.3
30°	249.2	246.0	240.1	234.0	229.9	225.8	221.3	215.8	206.1	194.7	183.6
32.5°	244.6	243.1	240.3	236.7	234.2	230.1	223.8	214.9	201.3	190.2	178.1
35°	239.6	239.0	238.1	236.5	234.9	231.0	223.1	210.1	196.5	183.8	172.2
37.5°	234.4	233.7	234.4	234.2	232.8	227.8	215.8	203.8	189.7	176.8	154.3
40°	228.1	227.6	228.8	229.9	228.3	221.7	208.8	194.3	181.8	156.4	148.6
42.5°	220.6	220.4	222.4	223.3	221.0	211.3	196.1	185.4	159.1	150.9	132.8
45°	207.2	207.6	208.6	209.7	208.3	197.7	183.8	164.3	152.7	132.5	75.6
47.5°	162.3	162.7	167.3	176.8	183.4	179.7	167.9	153.4	136.6	75.8	23.8
50°	140.0	139.6	139.8	142.1	147.3	152.3	148.6	140.7	81.5	22.2	3.0
52.5°	61.5	68.3	75.6	96.0	109.2	123.0	125.7	88.1	26.6	3.0	3.0
55°	10.0	10.4	13.2	19.3	34.7	52.4	63.5	29.5	2.7	2.7	2.7
57.5°	2.0	2.0	2.0	2.3	3.4	7.3	8.4	2.5	2.5	2.5	2.7
60°	1.8	1.8	1.8	1.8	2.0	2.0	2.0	2.3	2.3	2.5	2.5
62.5°	1.8	1.8	1.8	1.8	1.8	1.8	2.0	2.0	2.3	2.3	2.5
65°	1.6	1.6	1.6	1.6	1.8	1.8	1.8	1.8	2.0	2.0	2.3
67.5°	1.4	1.4	1.4	1.4	1.6	1.6	1.6	1.8	1.8	1.8	2.0
70°	1.1	1.1	1.1	1.1	1.4	1.4	1.4	1.4	1.6	1.6	1.6
72.5°	0.9	0.9	0.9	0.9	1.1	1.1	1.1	1.1	1.4	1.4	1.4
75°	0.7	0.7	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1
77.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.9	0.9	0.9
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7	0.7
82.5°	0.2	0.2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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: P1307712

CATALOG NUMBER: LDSQA3D02R709027DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	105.3	105.3	105.3	105.3	105.3	105.3	105.3	105.3
2.5°	127.3	124.1	119.8	105.8	92.8	81.0	75.1	74.4
5°	143.4	140.5	133.2	105.3	80.6	62.9	52.2	49.2
7.5°	149.6	147.1	140.7	104.4	69.0	45.2	33.1	28.6
10°	151.1	149.6	144.1	102.8	57.0	29.7	15.7	12.0
12.5°	151.8	150.7	145.5	100.3	44.9	15.4	10.7	10.7
15°	153.0	151.8	146.8	97.1	33.1	10.4	10.2	10.2
17.5°	157.9	154.3	148.6	92.4	21.8	10.0	10.0	10.0
20°	166.1	158.2	149.6	86.0	13.6	9.8	9.8	10.0
22.5°	172.9	162.3	149.3	76.5	10.0	9.3	9.5	9.8
25°	175.9	164.1	147.3	65.1	8.6	9.1	9.5	9.5
27.5°	175.4	164.8	145.5	52.2	8.2	8.9	9.3	9.8
30°	172.9	162.9	141.4	38.6	7.7	8.6	9.3	9.8
32.5°	168.6	155.9	133.2	25.0	7.5	8.6	9.3	9.8
35°	154.5	144.6	121.4	12.0	7.3	8.4	9.5	9.8
37.5°	146.4	132.5	92.6	5.9	7.0	8.4	9.5	9.8
40°	133.2	98.9	41.8	5.4	7.0	8.4	9.5	10.0
42.5°	83.7	40.6	6.8	5.2	6.8	8.4	9.5	10.0
45°	30.6	5.4	3.6	5.2	6.8	8.2	9.5	10.0
47.5°	3.2	3.2	3.4	5.0	6.6	8.2	9.5	10.0
50°	3.0	3.2	3.4	4.8	6.4	8.2	9.3	10.0
52.5°	3.0	3.2	3.4	4.8	6.1	7.9	9.3	10.0
55°	3.0	3.2	3.2	4.5	5.9	7.7	9.1	9.5
57.5°	2.7	3.0	3.2	4.3	5.7	7.3	8.9	9.3
60°	2.7	3.0	3.2	3.9	5.4	6.8	8.4	8.6
62.5°	2.5	2.7	3.0	3.6	5.0	6.4	7.7	8.2
65°	2.5	2.5	2.7	3.2	4.5	5.7	7.0	7.5
67.5°	2.0	2.3	2.3	2.7	3.9	5.0	6.4	6.8
70°	1.8	1.8	2.0	2.5	3.4	4.3	5.4	5.9
72.5°	1.6	1.6	1.6	2.0	3.0	3.9	4.8	5.2
75°	1.4	1.4	1.4	1.6	2.5	3.2	4.1	4.3
77.5°	1.1	1.1	1.1	1.4	2.0	2.7	3.2	3.6
80°	0.9	0.9	0.9	1.1	1.6	2.0	2.5	2.7
82.5°	0.7	0.7	0.7	0.9	1.1	1.4	1.8	1.8
85°	0.5	0.5	0.5	0.7	0.7	0.9	1.1	1.1
87.5°	0.2	0.2	0.2	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)