

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: P1313239

Luminaire Tested: LDSQA3D02R559727DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313239
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R559727DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

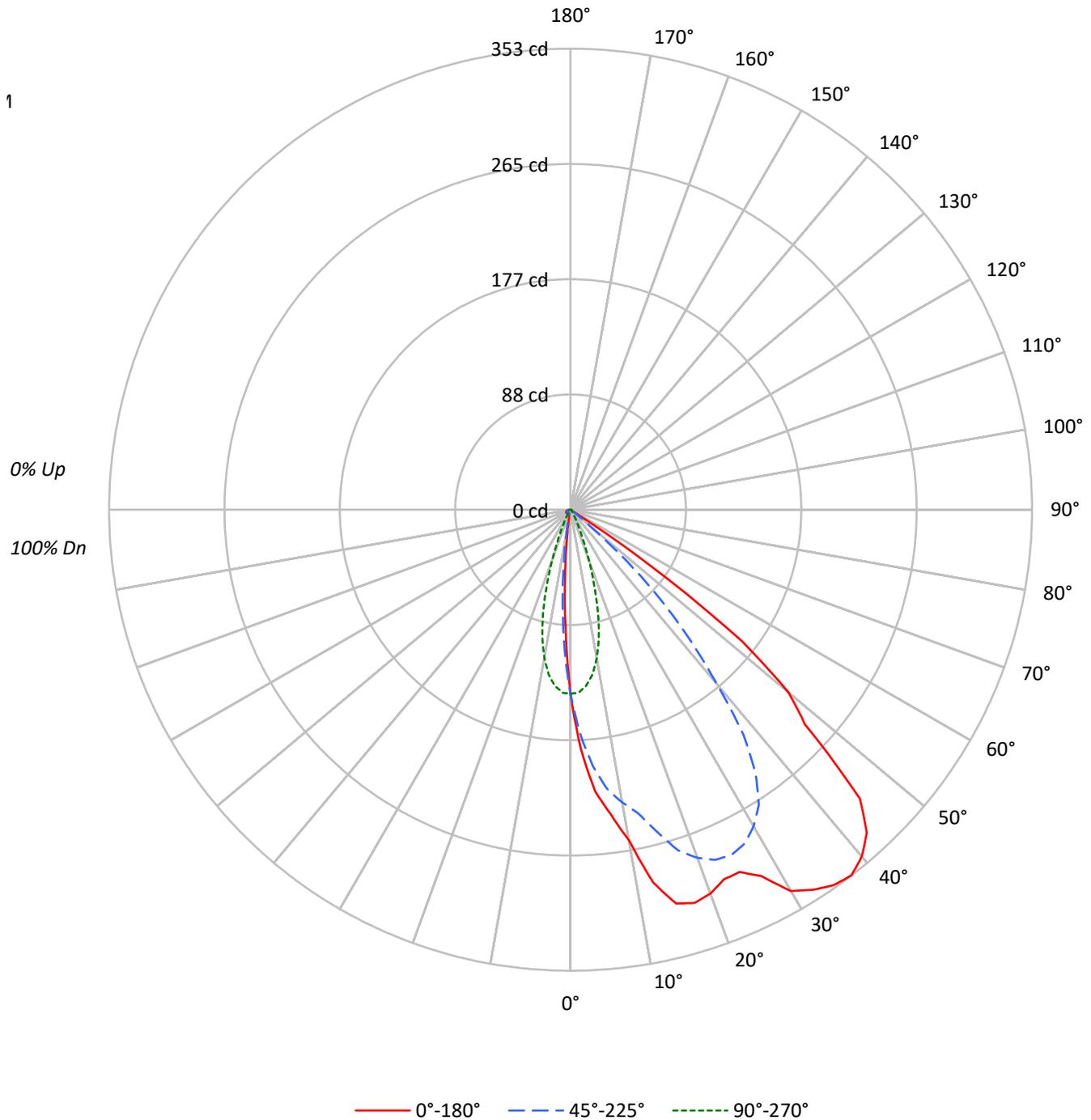
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 235.0 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
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: P1313239
CATALOG NUMBER: LDSQA3D02R559727DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1313239

CATALOG NUMBER: LDSQA3D02R559727DE010 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	102	102	102	100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	88	86	83	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	81	78	75	73
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	75	71	67	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	63	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	50	45	41	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	24266	24266	24266	24266	24266
5°	37411	34057	23425	12032	7901
10°	44944	39803	20164	3043	1207
15°	55647	45466	14406	838	660
20°	57310	51995	7441	568	568
25°	58148	55393	2983	513	589
30°	67018	55662	1293	537	616
35°	73775	51888	568	568	694
40°	77923	39051	315	652	742
45°	76210	23869	292	706	901
50°	58302	5091	322	831	1045
55°	21379	180	360	931	1171
60°	207	207	413	1068	1343
65°	245	245	489	1100	1426
70°	201	302	504	1209	1662
75°	133	266	532	1331	1930
80°	198	397	595	1389	1984
85°	0	395	790	1581	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 76210 cd/sqm



TEST NUMBER: P1313239

CATALOG NUMBER: LDSQA3D02R559727DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	5.3
10°-20°	35.5	15.1
20°-30°	54.5	23.2
30°-40°	63.5	27.0
40°-50°	50.7	21.6
50°-60°	15.0	6.4
60°-70°	1.6	0.7
70°-80°	1.2	0.5
80°-90°	0.5	0.2
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°	102.4	43.6
0°-40°	165.9	70.6
0°-60°	231.6	98.6
0°-90°	235.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	235.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	141	141	141	141	141	
5°	216	197	136	70	46	22
15°	312	255	81	5	4	86
25°	306	292	16	3	3	145
35°	351	247	3	3	3	219
45°	313	98	1	3	4	226
55°	71	1	1	3	4	75
65°	1	1	1	3	4	1
75°	0	0	1	2	3	0
85°	0	0	0	1	1	0
90°	0	0	0	0	0	



TEST NUMBER: P1313239

CATALOG NUMBER: LDSQA3D02R559727DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.9
2.5°	183.7	183.7	183.1	183.3	182.9	180.7	180.2	177.4	174.9	172.3	170.0
5°	216.4	216.8	216.2	215.0	213.3	211.7	208.2	205.6	202.1	197.0	192.3
7.5°	235.0	234.5	233.5	233.1	232.1	230.3	227.8	225.0	220.9	215.8	210.3
10°	257.0	253.5	252.5	250.9	247.6	243.9	239.7	235.8	232.3	227.6	221.7
12.5°	292.5	291.9	287.8	284.8	280.3	272.1	264.8	256.2	246.0	237.8	230.1
15°	312.1	312.5	310.7	308.2	305.4	298.6	291.3	281.3	269.2	255.0	242.3
17.5°	315.6	316.2	315.2	314.2	313.3	309.5	305.0	297.8	286.8	273.5	254.8
20°	312.7	314.0	314.2	315.4	317.0	315.4	311.7	306.8	297.6	283.7	265.8
22.5°	306.4	308.6	310.3	314.6	318.9	318.9	316.6	312.7	303.7	290.1	271.7
25°	306.0	306.4	307.0	314.0	320.7	322.1	320.1	316.0	306.2	291.5	271.5
27.5°	316.2	313.5	309.5	316.4	324.4	325.6	322.7	317.2	305.6	288.2	264.6
30°	337.0	331.1	322.5	327.6	333.1	331.7	326.0	317.2	301.5	279.9	251.5
32.5°	345.0	341.7	338.7	344.2	345.2	339.3	329.1	316.0	295.0	268.0	230.1
35°	350.9	351.1	349.9	350.9	346.0	337.6	326.4	309.3	282.7	246.8	201.7
37.5°	352.9	353.4	350.7	347.0	339.7	330.1	316.6	297.0	262.3	217.6	158.8
40°	346.6	345.4	341.1	336.0	328.0	318.2	303.5	274.4	231.9	173.7	123.9
42.5°	335.4	333.3	328.2	322.1	313.8	301.3	277.8	242.5	188.4	135.5	86.8
45°	312.9	311.5	305.2	300.7	290.7	274.6	244.3	199.8	145.8	98.0	50.2
47.5°	243.1	243.3	248.2	250.5	247.0	234.1	198.6	151.9	106.4	58.4	16.9
50°	217.6	216.6	211.7	204.9	193.7	174.5	145.8	107.4	62.9	19.0	2.4
52.5°	165.1	165.1	162.7	159.2	147.4	128.8	98.6	59.4	22.0	3.3	0.6
55°	71.2	67.6	69.6	73.5	70.4	61.2	46.1	17.8	3.9	0.6	0.6
57.5°	1.0	2.4	3.7	5.9	8.0	9.6	5.1	1.8	0.6	0.6	0.6
60°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
62.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
65°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
67.5°	0.4	0.4	0.4	0.6	0.4	0.6	0.6	0.6	0.6	0.6	0.6
70°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.6
72.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
75°	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
77.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	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: P1313239

CATALOG NUMBER: LDSQA3D02R559727DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	140.9	140.9	140.9	140.9	140.9	140.9	140.9	140.9
2.5°	166.8	163.3	157.6	140.2	122.3	105.7	93.9	89.4
5°	187.0	180.7	171.1	135.5	99.8	69.6	52.5	45.7
7.5°	202.9	194.7	180.9	127.4	73.3	37.2	22.3	17.6
10°	213.5	204.5	186.4	115.3	48.6	17.4	8.4	6.9
12.5°	221.3	210.1	188.4	99.8	28.6	8.0	4.5	4.1
15°	227.0	212.5	186.0	80.8	15.7	4.7	3.7	3.7
17.5°	235.0	213.7	180.0	59.6	9.0	3.5	3.5	3.5
20°	241.1	213.7	168.8	40.6	5.5	3.1	3.1	3.1
22.5°	244.1	210.5	155.1	25.7	3.9	2.9	3.1	3.1
25°	241.1	202.5	137.6	15.7	3.1	2.7	2.9	3.1
27.5°	229.9	186.6	114.1	10.0	2.4	2.7	2.9	3.1
30°	211.1	163.5	87.6	6.5	2.2	2.7	2.9	3.1
32.5°	184.5	129.2	56.7	4.3	2.0	2.7	2.9	3.1
35°	144.1	91.5	34.3	2.7	2.0	2.7	3.1	3.3
37.5°	108.0	61.0	18.6	1.6	2.0	2.7	3.1	3.3
40°	74.9	35.5	8.0	1.4	2.0	2.9	3.3	3.3
42.5°	43.5	14.1	2.0	1.2	2.0	2.9	3.3	3.5
45°	15.9	2.9	0.6	1.2	2.2	2.9	3.3	3.7
47.5°	2.2	0.6	0.6	1.2	2.2	2.9	3.5	3.7
50°	0.6	0.6	0.6	1.2	2.2	3.1	3.7	3.9
52.5°	0.6	0.6	0.6	1.2	2.2	3.1	3.7	3.9
55°	0.6	0.6	0.6	1.2	2.2	3.1	3.7	3.9
57.5°	0.6	0.6	0.6	1.2	2.2	3.1	3.7	3.9
60°	0.6	0.6	0.6	1.2	2.0	3.1	3.7	3.9
62.5°	0.6	0.6	0.6	1.2	2.0	2.9	3.5	3.7
65°	0.6	0.6	0.6	1.2	1.8	2.7	3.5	3.5
67.5°	0.6	0.6	0.6	1.0	1.8	2.7	3.3	3.5
70°	0.6	0.6	0.6	1.0	1.6	2.4	3.1	3.3
72.5°	0.6	0.6	0.6	0.8	1.4	2.2	2.9	3.1
75°	0.4	0.6	0.6	0.8	1.4	2.0	2.7	2.9
77.5°	0.4	0.6	0.6	0.6	1.2	1.6	2.2	2.4
80°	0.4	0.4	0.6	0.6	1.0	1.4	1.8	2.0
82.5°	0.4	0.4	0.4	0.6	0.8	1.0	1.4	1.4
85°	0.4	0.4	0.4	0.4	0.6	0.8	1.0	1.0
87.5°	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)