

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: P1319734

Luminaire Tested: LDSQA3D02R609840DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319734
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: LDSQA3D02R609840DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

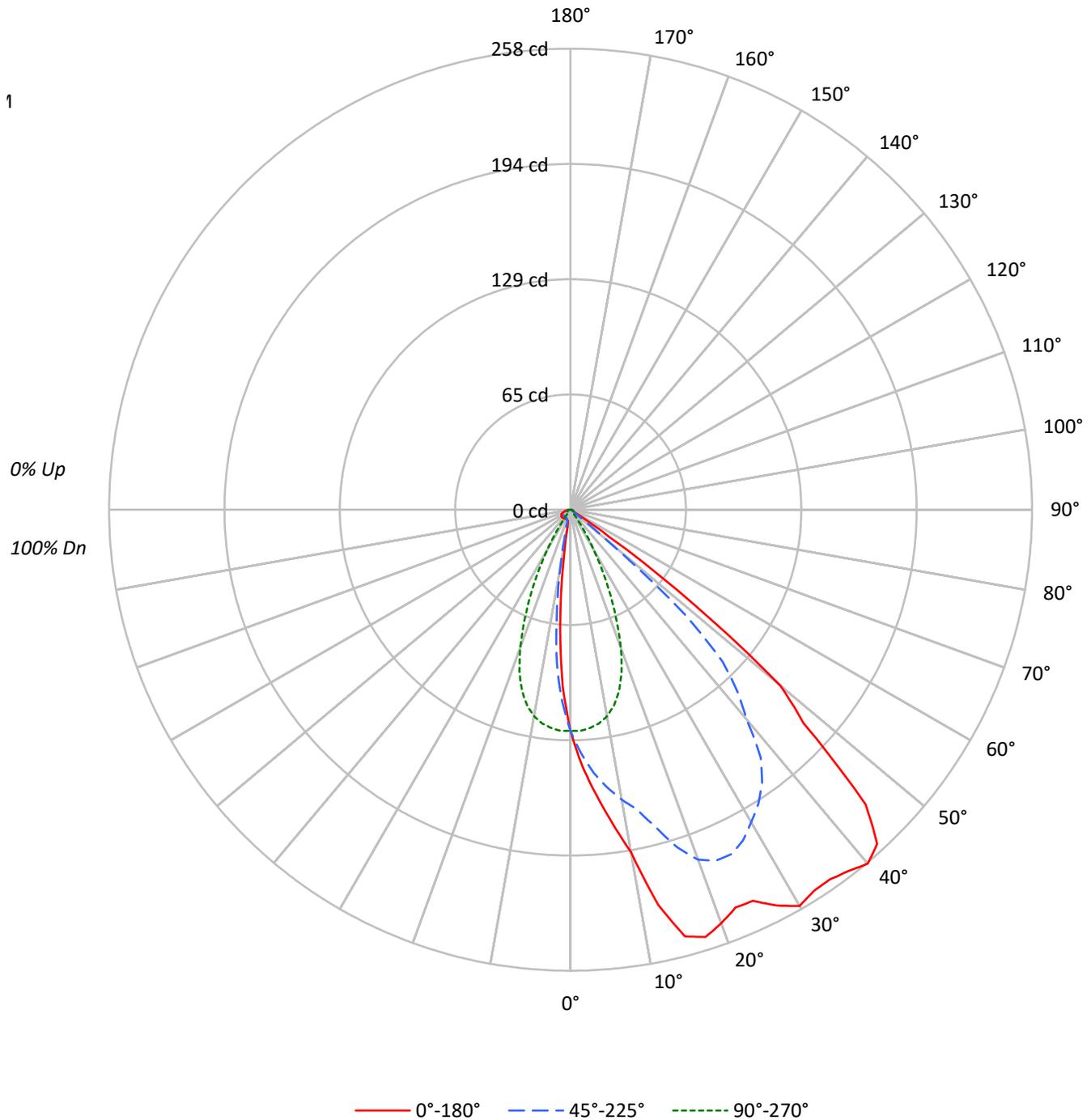
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 201.0 lumens
Efficiency: N/A
Efficacy: 55.8 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): 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: P1319734
CATALOG NUMBER: LDSQA3D02R609840DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





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CATALOG NUMBER: LDSQA3D02R609840DE010 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	21304	21304	21304	21304	21304
5°	27523	25552	21195	15092	11514
10°	34014	28803	20513	5701	1696
15°	44057	32789	18703	1248	1123
20°	45141	38195	15065	1045	1081
25°	45872	40419	10090	1007	1083
30°	50910	40151	5210	1014	1134
35°	53108	39253	1430	1072	1240
40°	58116	34420	674	1147	1371
45°	56847	29252	682	1242	1534
50°	40993	7207	750	1366	1688
55°	7867	450	811	1471	1892
60°	379	448	792	1584	2032
65°	367	448	774	1630	2160
70°	403	453	755	1611	2216
75°	399	532	732	1664	2262
80°	198	595	793	1686	2281
85°	395	395	790	1581	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 56847 cd/sqm



TEST NUMBER: P1319734

CATALOG NUMBER: LDSQA3D02R609840DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.8	5.4
10°-20°	29.7	14.8
20°-30°	45.7	22.7
30°-40°	53.6	26.7
40°-50°	43.0	21.4
50°-60°	13.4	6.6
60°-70°	2.5	1.3
70°-80°	1.7	0.8
80°-90°	0.6	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°	86.2	42.9
0°-40°	139.8	69.6
0°-60°	196.2	97.6
0°-90°	201.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	201.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	124	124	124	124	124	
5°	159	148	123	87	67	16
15°	247	184	105	7	6	68
25°	241	213	53	5	6	114
35°	253	187	7	5	6	160
45°	233	120	3	5	6	167
55°	26	2	3	5	6	41
65°	1	1	2	4	5	1
75°	1	1	1	2	3	1
85°	0	0	0	1	1	0
90°	0	0	0	0	0	



TEST NUMBER: P1319734

CATALOG NUMBER: LDSQA3D02R609840DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7
2.5°	142.7	141.2	141.2	140.6	140.0	140.2	138.7	139.3	137.8	136.6	135.7
5°	159.2	157.3	157.1	156.2	155.2	154.5	152.6	151.4	149.2	147.8	145.0
7.5°	176.3	174.8	173.8	172.7	171.0	169.1	165.9	163.8	160.2	156.6	153.0
10°	194.5	193.2	191.1	189.8	185.0	182.0	177.6	174.8	169.5	164.7	159.2
12.5°	226.4	225.6	221.7	219.0	212.2	206.1	196.6	189.0	179.5	171.7	164.3
15°	247.1	246.1	244.0	241.6	237.2	230.4	221.8	211.2	197.9	183.9	171.4
17.5°	250.7	250.9	249.5	249.0	246.1	241.8	234.9	227.0	213.7	198.1	181.0
20°	246.3	247.8	247.5	248.6	249.2	247.5	242.9	235.1	223.5	208.4	189.2
22.5°	241.0	242.3	242.0	244.0	247.3	249.0	247.5	241.2	229.4	212.5	193.8
25°	241.4	242.3	239.5	240.8	245.0	249.2	249.4	243.9	231.1	212.7	193.4
27.5°	249.7	246.9	240.4	239.9	245.0	250.3	250.7	243.9	228.7	208.7	189.6
30°	256.0	253.9	246.7	245.8	250.7	254.3	252.4	241.8	222.8	201.9	184.1
32.5°	253.0	253.3	250.3	253.3	259.8	261.3	253.3	236.8	214.6	195.3	177.6
35°	252.6	254.1	255.8	260.6	264.9	261.3	248.6	227.5	205.9	186.7	167.6
37.5°	254.9	257.3	259.8	264.0	264.0	254.7	236.1	215.8	195.5	174.6	146.7
40°	258.5	260.0	260.7	260.4	255.2	241.6	221.8	201.5	182.2	153.1	132.8
42.5°	253.7	253.5	252.8	249.5	240.1	222.2	203.8	187.3	156.7	138.2	115.0
45°	233.4	233.4	231.3	226.2	217.5	202.7	186.4	162.3	142.9	120.1	85.4
47.5°	176.7	175.3	177.6	180.7	180.7	179.3	164.5	143.7	123.9	86.7	27.3
50°	153.0	150.9	148.0	148.6	148.2	149.7	140.2	124.5	91.7	26.9	1.9
52.5°	86.5	90.3	99.6	112.7	118.6	120.7	114.8	94.7	30.9	1.7	1.5
55°	26.2	26.9	30.6	37.6	51.0	65.3	66.2	30.7	2.1	1.5	1.5
57.5°	1.1	1.1	1.5	2.3	5.3	8.0	8.5	1.9	1.3	1.5	1.5
60°	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.3	1.3	1.5
62.5°	0.9	0.9	1.1	1.1	1.1	1.1	1.1	1.1	1.3	1.3	1.3
65°	0.9	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1	1.1	1.3
67.5°	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.1	1.1	1.1
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9
72.5°	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.9
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.8	0.8	0.8	0.8
77.5°	0.4	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6
80°	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.6
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4
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: P1319734

CATALOG NUMBER: LDSQA3D02R609840DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	123.7	123.7	123.7	123.7	123.7	123.7	123.7	123.7
2.5°	134.4	132.8	131.1	123.9	116.9	107.4	101.0	99.1
5°	142.5	140.0	136.3	122.6	106.1	87.3	72.1	66.6
7.5°	149.3	145.6	140.2	120.7	93.2	59.2	38.1	32.3
10°	154.3	149.5	142.7	117.3	76.1	32.6	12.9	9.7
12.5°	158.5	152.2	144.0	112.2	55.4	13.3	6.6	6.6
15°	161.3	153.7	144.6	104.9	35.9	7.0	6.3	6.3
17.5°	165.3	155.4	144.6	94.9	19.5	6.1	6.1	6.1
20°	171.7	157.1	142.5	82.2	10.8	5.7	5.9	5.9
22.5°	175.2	159.6	139.9	67.4	6.8	5.5	5.7	5.7
25°	175.9	159.2	134.2	53.1	5.5	5.3	5.5	5.7
27.5°	173.3	156.6	126.6	38.7	4.9	5.1	5.5	5.7
30°	168.5	150.1	114.4	26.2	4.6	5.1	5.5	5.7
32.5°	159.6	134.5	100.2	15.8	4.4	5.1	5.5	5.9
35°	139.7	118.2	83.9	6.8	4.2	5.1	5.7	5.9
37.5°	125.2	101.9	64.9	3.4	4.2	5.1	5.7	6.1
40°	109.3	82.0	30.0	3.0	4.2	5.1	5.7	6.1
42.5°	83.3	38.0	3.6	3.0	4.0	5.1	5.9	6.1
45°	30.4	4.0	1.9	2.8	4.0	5.1	5.9	6.3
47.5°	2.3	1.5	1.7	2.8	4.0	5.1	5.9	6.3
50°	1.5	1.5	1.7	2.8	4.0	5.1	5.9	6.3
52.5°	1.5	1.7	1.7	2.7	3.8	5.1	5.9	6.3
55°	1.5	1.7	1.7	2.7	3.8	4.9	5.9	6.3
57.5°	1.5	1.5	1.7	2.5	3.6	4.7	5.9	6.1
60°	1.5	1.5	1.7	2.3	3.4	4.6	5.5	5.9
62.5°	1.5	1.5	1.5	2.1	3.2	4.4	5.3	5.7
65°	1.3	1.3	1.5	1.9	2.8	4.0	4.9	5.3
67.5°	1.1	1.3	1.3	1.7	2.7	3.6	4.6	4.9
70°	1.1	1.1	1.1	1.5	2.3	3.2	4.2	4.4
72.5°	0.9	0.9	1.1	1.3	2.1	2.8	3.8	4.0
75°	0.8	0.9	0.9	1.1	1.7	2.5	3.2	3.4
77.5°	0.8	0.8	0.8	0.9	1.5	2.1	2.7	2.8
80°	0.6	0.6	0.6	0.8	1.1	1.7	2.1	2.3
82.5°	0.4	0.6	0.6	0.6	0.9	1.1	1.5	1.7
85°	0.4	0.4	0.4	0.4	0.6	0.8	0.9	1.1
87.5°	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)