

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: P1308815

Luminaire Tested: LDSQA3D02R609030DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308815
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R609030DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

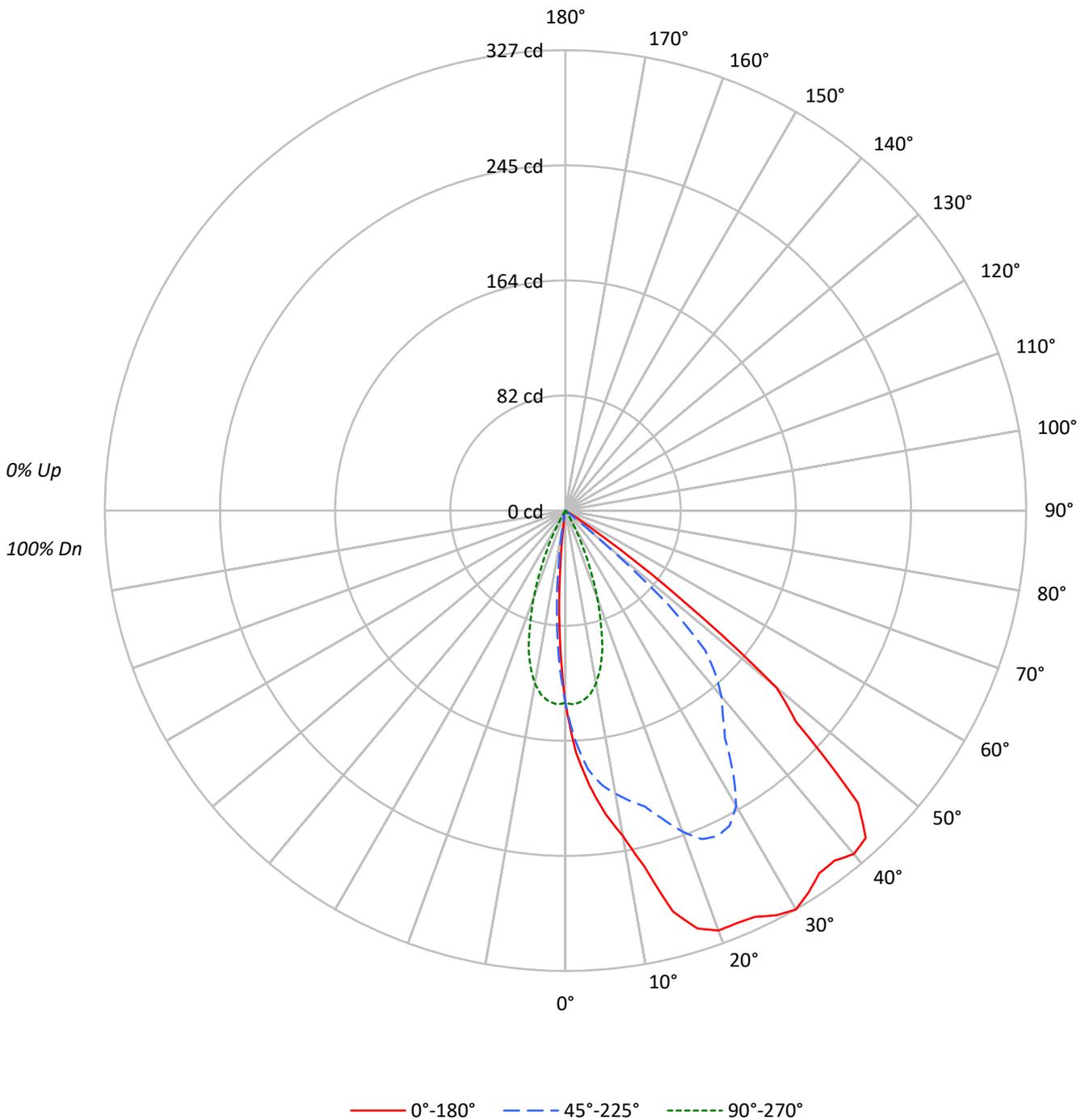
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 221.9 lumens
Efficiency: N/A
Efficacy: 61.6 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
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 (A_{in}): 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				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				100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91				91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82				82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74				74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66				66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60				60
6	80	70	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54				54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49				49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44				44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40				40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37				37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	23526	23526	23526	23526	23526
5°	33902	31931	23494	12102	7780
10°	41009	35710	21807	1451	857
15°	52562	38780	18062	945	785
20°	58172	44463	12115	531	92
25°	60504	48495	5967	38	0
30°	65049	48185	1651	0	0
35°	66080	41481	0	0	0
40°	71583	38692	0	0	0
45°	71509	34147	0	0	0
50°	52354	8279	0	0	0
55°	10209	0	0	0	0
60°	0	0	0	0	0
65°	0	82	82	0	0
70°	0	101	101	0	0
75°	0	133	133	0	0
80°	0	198	198	198	0
85°	0	395	395	395	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 71631 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.7	5.3
10°-20°	33.4	15.1
20°-30°	53.2	24.0
30°-40°	61.5	27.7
40°-50°	48.9	22.0
50°-60°	12.9	5.8
60°-70°	0.1	0.0
70°-80°	0.1	0.1
80°-90°	0.1	0.1
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°	98.4	44.3
0°-40°	159.9	72.0
0°-60°	221.6	99.9
0°-90°	221.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	221.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	137	137	137	137	137	
5°	196	185	136	70	45	20
15°	295	218	101	5	4	82
25°	318	255	31	0	0	148
35°	314	197	0	0	0	200
45°	294	140	0	0	0	209
55°	34	0	0	0	0	51
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	136.6	136.6	136.6	136.6	136.6	136.6	136.6	136.6	136.6	136.6	136.6
2.5°	171.8	173.5	172.8	172.1	170.4	169.6	169.6	167.7	164.5	164.1	161.9
5°	196.1	196.6	196.6	196.1	194.9	193.0	192.5	190.5	187.6	184.7	181.8
7.5°	217.3	217.0	215.6	214.6	212.4	209.7	207.3	204.6	200.3	196.4	192.2
10°	234.5	235.3	234.0	231.6	228.7	225.1	221.2	216.5	210.0	204.2	198.8
12.5°	258.8	258.6	255.4	251.3	244.3	237.5	231.4	226.3	218.3	211.2	204.6
15°	294.8	294.3	291.4	287.8	277.6	267.3	256.9	242.6	229.2	217.5	208.3
17.5°	311.1	312.1	309.6	307.7	301.9	295.1	285.8	271.5	250.8	229.7	210.2
20°	317.4	318.6	316.9	316.7	314.0	310.8	303.3	287.8	267.6	242.6	218.5
22.5°	317.2	318.1	317.4	320.6	323.7	322.0	312.8	297.2	276.6	252.5	225.3
25°	318.4	317.7	315.0	319.6	324.2	322.8	318.1	304.8	282.2	255.2	227.7
27.5°	324.0	318.6	313.3	319.1	321.3	321.8	319.1	303.3	281.2	252.3	222.9
30°	327.1	321.3	316.9	321.8	321.8	324.5	318.9	300.9	272.9	242.3	210.0
32.5°	321.3	320.1	324.0	328.8	330.0	330.0	317.7	292.9	259.1	221.9	189.3
35°	314.3	317.2	328.3	330.5	330.5	325.2	310.1	278.8	238.4	197.3	174.0
37.5°	313.5	318.1	330.5	327.9	323.5	313.5	291.6	254.2	209.0	183.5	162.6
40°	318.4	322.8	330.0	320.3	309.9	294.3	268.1	222.1	191.3	172.1	148.7
42.5°	315.5	319.6	319.8	305.5	290.7	269.5	234.8	196.1	178.4	157.5	132.9
45°	293.6	294.1	293.1	277.8	262.5	240.6	203.7	183.3	164.3	140.2	97.7
47.5°	221.9	220.9	224.6	220.2	220.9	207.8	185.0	168.2	145.6	98.4	29.7
50°	195.4	194.2	190.5	186.7	182.8	176.4	165.8	147.8	105.0	30.9	1.0
52.5°	104.8	110.6	122.0	139.5	146.1	145.6	137.6	109.4	33.1	0.2	0.0
55°	34.0	33.5	37.4	44.2	60.8	70.0	72.9	37.2	0.7	0.0	0.0
57.5°	0.0	0.0	0.0	0.7	2.4	6.3	8.3	0.5	0.0	0.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	136.6	136.6	136.6	136.6	136.6	136.6	136.6	136.6
2.5°	158.9	155.5	151.7	137.8	121.5	105.7	94.3	91.4
5°	177.2	171.3	163.1	135.9	100.4	70.0	50.1	45.0
7.5°	186.7	181.6	172.8	132.0	77.8	34.5	12.9	8.7
10°	192.5	186.4	176.7	124.7	50.8	8.3	4.6	4.9
12.5°	196.6	189.6	178.6	114.2	25.8	4.1	5.8	6.1
15°	198.3	190.8	178.4	101.3	9.2	5.3	5.1	4.4
17.5°	197.3	187.9	175.2	82.9	3.2	5.1	2.7	2.2
20°	196.1	185.4	170.1	66.1	2.7	2.9	1.0	0.5
22.5°	200.0	181.3	163.1	47.4	2.7	1.0	0.0	0.0
25°	200.5	179.6	154.1	31.4	1.2	0.2	0.0	0.0
27.5°	195.6	169.6	140.2	18.5	0.0	0.0	0.0	0.0
30°	180.1	157.2	125.4	8.3	0.0	0.0	0.0	0.0
32.5°	164.8	143.4	108.9	1.9	0.0	0.0	0.0	0.0
35°	152.6	129.1	90.7	0.0	0.0	0.0	0.0	0.0
37.5°	137.6	112.0	67.6	0.0	0.0	0.0	0.0	0.0
40°	121.8	90.4	33.8	0.0	0.0	0.0	0.0	0.0
42.5°	95.0	43.0	3.4	0.0	0.0	0.0	0.0	0.0
45°	36.5	3.9	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
65°	0.2	0.2	0.2	0.2	0.0	0.0	0.0	0.0
67.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
70°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
72.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
75°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
77.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
80°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
82.5°	0.2	0.2	0.2	0.2	0.2	0.0	0.0	0.0
85°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)