

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: P1317117

Luminaire Tested: LDSQA3D02R709827DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317117
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R709827DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

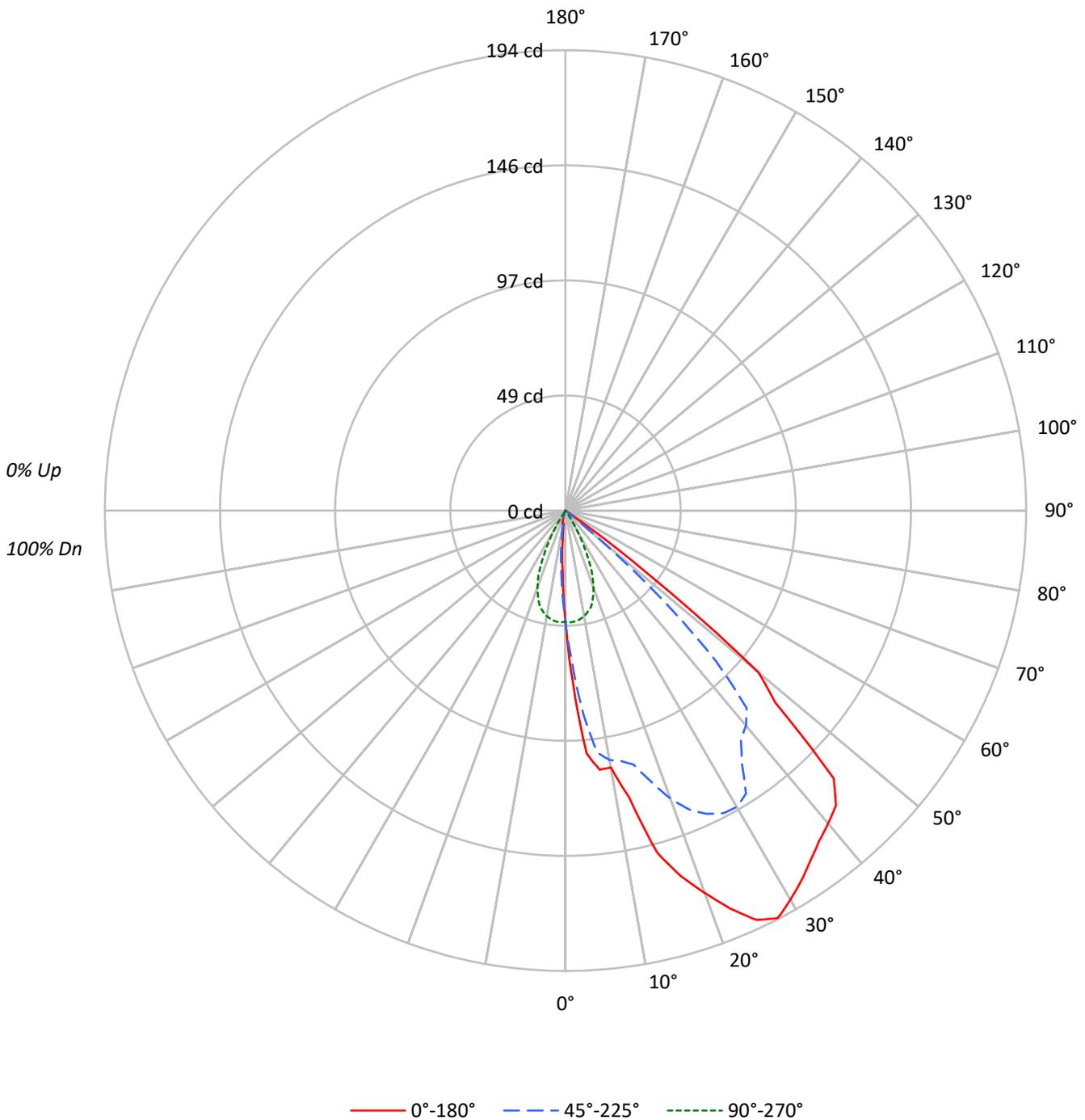
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 126.0 lumens
Efficiency: N/A
Efficacy: 35.0 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
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

TEST NUMBER: P1317117
CATALOG NUMBER: LDSQA3D02R709827DE010 3LSQCA30R 1MB

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	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91			91
2	105	99	94	90	103	98	93	89	94	90	87	91	88	85	88	86	84	82			82
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73			73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66			66
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59			59
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53			53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48			48
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43			43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39			39
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36			36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8060	8060	8060	8060	8060
5°	17772	14902	8108	3682	2420
10°	19219	18660	7905	1032	1049
15°	26602	19755	7453	1052	767
20°	31413	23661	6323	623	220
25°	36162	26794	4466	95	0
30°	37665	28676	2048	0	0
35°	37823	27185	105	0	0
40°	38692	26574	0	0	0
45°	38896	21774	0	0	0
50°	28401	4528	0	0	0
55°	1591	0	0	0	0
60°	0	69	69	0	0
65°	0	0	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: 39627 cd/sqm



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CATALOG NUMBER: LDSQA3D02R709827DE010 3LSQCA30R 1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	4.1
10°-20°	17.1	13.6
20°-30°	30.7	24.4
30°-40°	37.3	29.6
40°-50°	28.8	22.9
50°-60°	6.7	5.3
60°-70°	0.0	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°	52.9	42.0
0°-40°	90.2	71.6
0°-60°	125.8	99.8
0°-90°	126.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	126.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	47	47	47	47	47	
5°	103	86	47	21	14	10
15°	149	111	42	6	4	42
25°	190	141	24	0	0	87
35°	180	129	0	0	0	113
45°	160	89	0	0	0	113
55°	5	0	0	0	0	22
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	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
2.5°	72.9	72.9	73.3	73.1	71.5	70.8	68.5	67.2	66.9	64.0	62.9
5°	102.8	102.9	102.1	101.9	100.1	98.9	96.9	93.9	90.9	86.2	82.1
7.5°	110.1	109.9	109.7	109.7	109.4	108.6	107.8	106.9	105.6	102.8	99.6
10°	109.9	109.9	109.7	109.7	109.5	109.7	109.5	109.0	108.5	106.7	104.9
12.5°	123.8	122.7	121.3	119.1	115.6	112.9	109.9	109.0	108.6	108.1	107.0
15°	149.2	148.3	145.3	141.5	138.0	131.9	127.1	120.6	115.4	110.8	108.5
17.5°	161.4	162.0	158.6	156.3	152.9	148.1	142.4	135.7	128.4	119.7	112.7
20°	171.4	171.9	169.1	166.8	162.9	157.9	152.9	145.6	138.7	129.1	120.0
22.5°	181.5	181.9	179.2	175.9	171.4	166.2	159.8	152.4	144.9	136.4	126.8
25°	190.3	189.9	185.5	180.7	176.4	170.9	164.6	157.4	150.2	141.0	131.9
27.5°	193.6	193.5	188.5	183.9	178.9	171.4	165.9	159.5	152.0	143.8	134.6
30°	189.4	192.2	189.0	185.6	179.6	172.1	166.8	159.1	152.2	144.2	133.7
32.5°	184.9	188.5	187.4	185.8	178.7	172.8	165.9	158.8	150.6	141.4	125.4
35°	179.9	183.7	183.9	182.1	175.7	169.8	163.4	155.9	146.7	129.3	117.5
37.5°	175.5	179.1	180.1	176.4	171.4	163.6	157.7	149.9	133.2	121.4	115.4
40°	172.1	174.8	176.4	170.5	165.5	157.9	151.1	137.4	122.3	118.2	109.7
42.5°	168.6	171.0	171.8	165.4	157.7	150.4	140.6	123.4	119.0	112.9	90.0
45°	159.7	162.7	160.9	154.7	149.0	141.4	126.8	119.3	114.5	89.4	55.3
47.5°	119.8	123.2	128.0	129.8	131.8	126.2	118.2	115.6	94.1	54.2	17.2
50°	106.0	105.4	105.4	106.3	107.9	109.7	112.0	97.4	56.5	16.9	0.0
52.5°	43.2	45.3	55.8	65.3	76.1	86.9	90.3	59.7	22.0	0.4	0.0
55°	5.3	5.3	7.5	12.8	21.2	34.1	38.4	19.2	1.6	0.0	0.0
57.5°	0.0	0.0	0.0	0.2	1.4	3.9	2.7	0.7	0.2	0.2	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.2	0.2	0.2	0.2
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P1317117

CATALOG NUMBER: LDSQA3D02R709827DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
2.5°	61.2	59.0	56.0	47.1	39.5	32.7	28.8	26.8
5°	78.2	73.1	66.1	46.9	32.0	21.3	16.0	14.0
7.5°	94.6	88.7	77.0	46.2	24.5	12.4	6.9	5.5
10°	101.7	97.4	86.9	45.2	17.8	5.9	5.9	6.0
12.5°	104.5	101.3	92.8	43.6	11.7	5.7	6.0	5.7
15°	106.5	103.5	95.7	41.8	6.8	5.9	4.8	4.3
17.5°	107.6	104.0	96.5	38.4	4.4	5.0	3.0	2.5
20°	111.0	105.3	97.3	34.5	4.3	3.4	1.6	1.2
22.5°	116.6	107.8	97.4	29.7	3.4	2.0	0.5	0.0
25°	121.8	111.1	98.0	23.5	1.1	0.5	0.0	0.0
27.5°	124.3	112.2	97.8	16.5	0.0	0.0	0.0	0.0
30°	121.3	109.5	96.2	10.3	0.0	0.0	0.0	0.0
32.5°	114.2	107.6	91.2	4.4	0.0	0.0	0.0	0.0
35°	111.8	103.3	79.8	0.5	0.0	0.0	0.0	0.0
37.5°	106.7	91.0	58.7	0.0	0.0	0.0	0.0	0.0
40°	91.7	65.8	27.9	0.0	0.0	0.0	0.0	0.0
42.5°	60.6	28.1	1.6	0.0	0.0	0.0	0.0	0.0
45°	21.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.4	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	0.2	0.2	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0
67.5°	0.2	0.2	0.2	0.2	0.0	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	0.2	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	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)