

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: P1323821

Luminaire Tested: LDSQA3D09R609030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323821
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: LDSQA3D09R609030D2WDE010 3LSQCA30R 1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R60 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

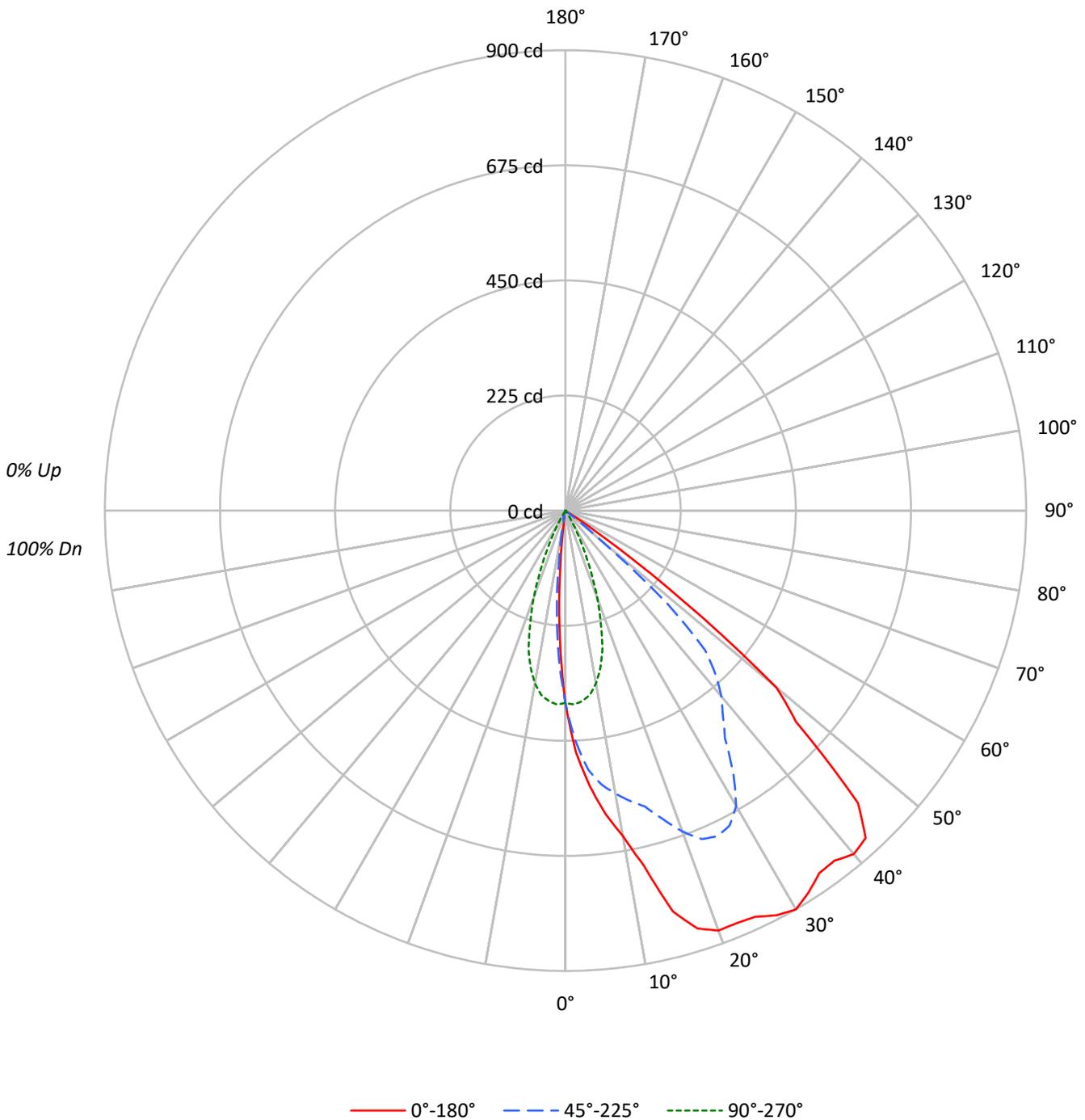
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 611.0 lumens
Efficiency: N/A
Efficacy: 41.6 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): 14.7
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

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Luminous Intensity Polar Plot





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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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66
5	86	76	69	63	84	75	68	63	73	67	63	71	66	62	69	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	64738	64738	64738	64738	64738
5°	93321	87892	64640	33297	21385
10°	112885	98265	60001	3970	2343
15°	144671	106747	49727	2621	2140
20°	160109	122355	33338	1466	238
25°	166520	133475	16399	133	0
30°	179039	132623	4514	0	0
35°	181841	114205	0	0	0
40°	197010	106475	0	0	0
45°	196796	94014	0	0	0
50°	144093	22774	0	0	0
55°	28104	0	0	0	0
60°	0	0	0	0	0
65°	0	285	285	0	0
70°	0	352	352	0	0
75°	0	466	466	0	0
80°	0	694	694	694	0
85°	0	1383	1383	1383	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 197137 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.3	5.3
10°-20°	91.9	15.0
20°-30°	146.5	24.0
30°-40°	169.4	27.7
40°-50°	134.5	22.0
50°-60°	35.4	5.8
60°-70°	0.3	0.0
70°-80°	0.4	0.1
80°-90°	0.4	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°	270.7	44.3
0°-40°	440.1	72.0
0°-60°	610.0	99.8
0°-90°	611.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	611.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	376	376	376	376	376	
5°	540	508	374	193	124	55
15°	811	599	279	15	12	226
25°	876	702	86	1	0	409
35°	865	543	0	0	0	549
45°	808	386	0	0	0	575
55°	94	0	0	0	0	141
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	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°	375.9	375.9	375.9	375.9	375.9	375.9	375.9	375.9	375.9	375.9	375.9
2.5°	472.9	477.6	475.6	473.6	468.9	466.9	466.9	461.5	452.9	451.5	445.5
5°	539.8	541.1	541.1	539.8	536.5	531.1	529.8	524.4	516.4	508.4	500.3
7.5°	598.0	597.3	593.3	590.6	584.6	577.3	570.6	563.2	551.2	540.5	529.1
10°	645.5	647.5	644.2	637.5	629.4	619.4	608.7	596.0	577.9	561.9	547.2
12.5°	712.4	711.7	703.0	691.7	672.3	653.5	636.8	622.8	600.7	581.3	563.2
15°	811.4	810.0	802.0	792.0	763.9	735.8	707.0	667.6	630.8	598.7	573.3
17.5°	856.2	858.9	852.2	846.8	830.8	812.1	786.6	747.2	690.3	632.1	578.6
20°	873.6	876.9	872.3	871.6	864.2	855.5	834.8	792.0	736.5	667.6	601.3
22.5°	872.9	875.6	873.6	882.3	891.0	886.3	860.9	818.1	761.2	695.0	620.1
25°	876.3	874.3	866.9	879.6	892.3	888.3	875.6	838.8	776.6	702.4	626.8
27.5°	891.7	876.9	862.2	878.3	884.3	885.6	878.3	834.8	773.9	694.3	613.4
30°	900.3	884.3	872.3	885.6	885.6	893.0	877.6	828.1	751.2	666.9	577.9
32.5°	884.3	881.0	891.7	905.0	908.4	908.4	874.3	806.0	713.1	610.7	521.1
35°	864.9	872.9	903.7	909.7	909.7	895.0	853.5	767.2	656.2	543.2	478.9
37.5°	862.9	875.6	909.7	902.4	890.3	862.9	802.7	699.7	575.3	505.0	447.5
40°	876.3	888.3	908.4	881.6	852.9	810.0	737.8	611.4	526.4	473.6	409.4
42.5°	868.2	879.6	880.3	840.8	800.0	741.8	646.2	539.8	491.0	433.5	365.9
45°	808.0	809.4	806.7	764.6	722.4	662.2	560.5	504.4	452.2	386.0	268.9
47.5°	610.7	608.0	618.1	606.0	608.0	571.9	509.0	462.9	400.7	270.9	81.6
50°	537.8	534.5	524.4	513.7	503.0	485.6	456.2	406.7	289.0	85.0	2.7
52.5°	288.3	304.4	335.8	384.0	402.0	400.7	378.6	301.0	91.0	0.7	0.0
55°	93.6	92.3	103.0	121.7	167.2	192.6	200.7	102.3	2.0	0.0	0.0
57.5°	0.0	0.0	0.0	2.0	6.7	17.4	22.7	1.3	0.0	0.7	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
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°	375.9	375.9	375.9	375.9	375.9	375.9	375.9	375.9
2.5°	437.5	428.1	417.4	379.3	334.5	291.0	259.5	251.5
5°	487.6	471.6	448.8	373.9	276.3	192.6	137.8	123.7
7.5°	513.7	499.7	475.6	363.2	214.1	95.0	35.5	24.1
10°	529.8	513.1	486.3	343.1	139.8	22.7	12.7	13.4
12.5°	541.1	521.7	491.6	314.4	70.9	11.4	16.1	16.7
15°	545.8	525.1	491.0	278.9	25.4	14.7	14.0	12.0
17.5°	543.2	517.1	482.3	228.1	8.7	14.0	7.4	6.0
20°	539.8	510.4	468.2	181.9	7.4	8.0	2.7	1.3
22.5°	550.5	499.0	448.8	130.4	7.4	2.7	0.0	0.0
25°	551.8	494.3	424.1	86.3	3.3	0.7	0.0	0.0
27.5°	538.5	466.9	386.0	50.8	0.0	0.0	0.0	0.0
30°	495.7	432.8	345.2	22.7	0.0	0.0	0.0	0.0
32.5°	453.5	394.7	299.7	5.4	0.0	0.0	0.0	0.0
35°	420.1	355.2	249.5	0.0	0.0	0.0	0.0	0.0
37.5°	378.6	308.4	186.0	0.0	0.0	0.0	0.0	0.0
40°	335.1	248.8	93.0	0.0	0.0	0.0	0.0	0.0
42.5°	261.5	118.4	9.4	0.0	0.0	0.0	0.0	0.0
45°	100.3	10.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	5.4	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°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
65°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
67.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
70°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
72.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
75°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
77.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
82.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)