

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: P1323541

Luminaire Tested: LDSQA3D02R709030D2WDE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323541
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: LDSQA3D02R709030D2WDE010 3LSQCA30R 1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

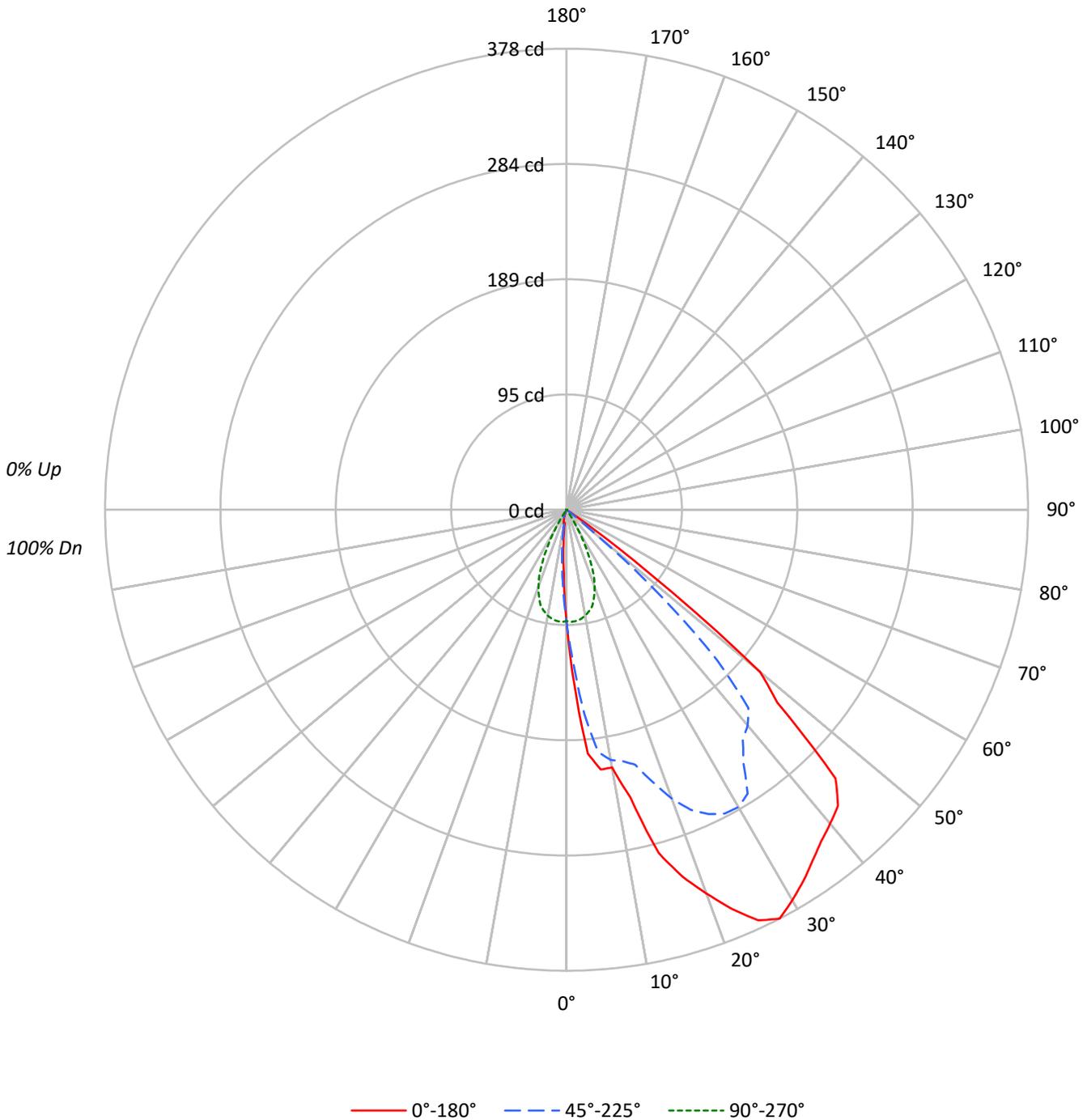
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 245.9 lumens
Efficiency: N/A
Efficacy: 34.2 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): 7.2
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: P1323541
CATALOG NUMBER: LDSQA3D02R709030D2WDE010 3LSQCA30R 1MB

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	15724	15724	15724	15724	15724
5°	34680	29113	15836	7209	4737
10°	37512	36427	15424	2011	2064
15°	51938	38566	14549	2050	1480
20°	61324	46185	12334	1210	440
25°	70576	52314	8703	190	0
30°	73521	55981	3997	0	0
35°	73859	53066	210	0	0
40°	75540	51911	0	0	0
45°	75918	42526	0	0	0
50°	55435	8842	0	0	0
55°	3123	0	0	0	0
60°	0	103	103	0	0
65°	0	0	122	0	0
70°	0	151	151	0	0
75°	0	200	200	0	0
80°	0	298	298	298	0
85°	0	593	593	593	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 77355 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.0	4.1
10°-20°	33.4	13.6
20°-30°	59.9	24.4
30°-40°	72.9	29.6
40°-50°	56.3	22.9
50°-60°	13.1	5.3
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.2	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°	103.3	42.0
0°-40°	176.2	71.6
0°-60°	245.5	99.8
0°-90°	245.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	245.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	91	91	91	91	91	
5°	201	168	92	42	27	19
15°	291	216	82	12	8	81
25°	371	275	46	1	0	169
35°	351	252	1	0	0	221
45°	312	175	0	0	0	220
55°	10	0	0	0	0	43
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°	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
2.5°	142.3	142.3	143.0	142.7	139.6	138.2	133.7	131.2	130.5	125.0	122.9
5°	200.6	201.0	199.3	198.9	195.4	193.0	189.2	183.3	177.4	168.4	160.4
7.5°	214.9	214.5	214.2	214.2	213.5	212.1	210.4	208.6	206.2	200.6	194.4
10°	214.5	214.5	214.2	214.2	213.8	214.2	213.8	212.8	211.8	208.3	204.8
12.5°	241.6	239.5	236.8	232.6	225.6	220.4	214.5	212.8	212.1	211.1	209.0
15°	291.3	289.5	283.6	276.3	269.4	257.6	248.2	235.4	225.3	216.3	211.8
17.5°	315.2	316.2	309.7	305.1	298.5	289.2	278.1	264.9	250.6	233.6	220.1
20°	334.6	335.7	330.1	325.6	318.0	308.3	298.5	284.3	270.8	252.0	234.3
22.5°	354.4	355.1	349.9	343.3	334.6	324.6	312.1	297.5	282.9	266.3	247.5
25°	371.4	370.8	362.1	352.7	344.4	333.6	321.5	307.2	293.3	275.3	257.6
27.5°	378.0	377.7	368.0	358.9	349.2	334.6	323.9	311.4	296.8	280.8	262.8
30°	369.7	375.3	369.0	362.4	350.6	336.0	325.6	310.7	297.2	281.5	261.1
32.5°	361.0	368.0	365.9	362.8	348.9	337.4	323.9	310.0	294.0	276.0	244.7
35°	351.3	358.6	358.9	355.5	343.0	331.5	319.0	304.4	286.4	252.4	229.5
37.5°	342.6	349.6	351.7	344.4	334.6	319.4	307.9	292.6	260.0	237.1	225.3
40°	336.0	341.2	344.4	332.9	323.2	308.3	295.1	268.3	238.8	230.9	214.2
42.5°	329.1	334.0	335.3	322.8	307.9	293.7	274.6	240.9	232.2	220.4	175.7
45°	311.7	317.6	314.2	302.0	290.9	276.0	247.5	232.9	223.6	174.6	108.0
47.5°	234.0	240.6	249.9	253.4	257.2	246.5	230.9	225.6	183.6	105.9	33.7
50°	206.9	205.9	205.9	207.6	210.7	214.2	218.7	190.2	110.4	33.0	0.0
52.5°	84.4	88.5	109.0	127.4	148.6	169.8	176.3	116.6	43.0	0.7	0.0
55°	10.4	10.4	14.6	25.0	41.3	66.7	75.0	37.5	3.1	0.0	0.0
57.5°	0.0	0.0	0.0	0.3	2.8	7.6	5.2	1.4	0.3	0.3	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
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	0.3	0.3
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
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°	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
2.5°	119.4	115.3	109.4	92.0	77.1	63.9	56.2	52.4
5°	152.7	142.7	129.1	91.6	62.5	41.7	31.2	27.4
7.5°	184.7	173.2	150.3	90.3	47.9	24.3	13.5	10.8
10°	198.6	190.2	169.8	88.2	34.7	11.5	11.5	11.8
12.5°	204.1	197.9	181.2	85.1	22.9	11.1	11.8	11.1
15°	207.9	202.0	186.8	81.6	13.2	11.5	9.4	8.3
17.5°	210.0	203.1	188.5	75.0	8.7	9.7	5.9	4.9
20°	216.6	205.5	189.9	67.3	8.3	6.6	3.1	2.4
22.5°	227.7	210.4	190.2	58.0	6.6	3.8	1.0	0.0
25°	237.8	217.0	191.3	45.8	2.1	1.0	0.0	0.0
27.5°	242.7	219.0	190.9	32.3	0.0	0.0	0.0	0.0
30°	236.8	213.8	187.8	20.1	0.0	0.0	0.0	0.0
32.5°	222.9	210.0	178.1	8.7	0.0	0.0	0.0	0.0
35°	218.4	201.7	155.9	1.0	0.0	0.0	0.0	0.0
37.5°	208.3	177.7	114.6	0.0	0.0	0.0	0.0	0.0
40°	179.1	128.4	54.5	0.0	0.0	0.0	0.0	0.0
42.5°	118.4	54.8	3.1	0.0	0.0	0.0	0.0	0.0
45°	41.7	3.5	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.7	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°	0.3	0.3	0.3	0.3	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	0.3	0.3	0.0	0.0	0.0	0.0
67.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
70°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
72.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
75°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
77.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
80°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
85°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
87.5°	0.3	0.3	0.3	0.3	0.3	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)