

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: P1323683

Luminaire Tested: LDSQA3D05R659030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323683
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R659030D2WDE010 3LSQCA30R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R65 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

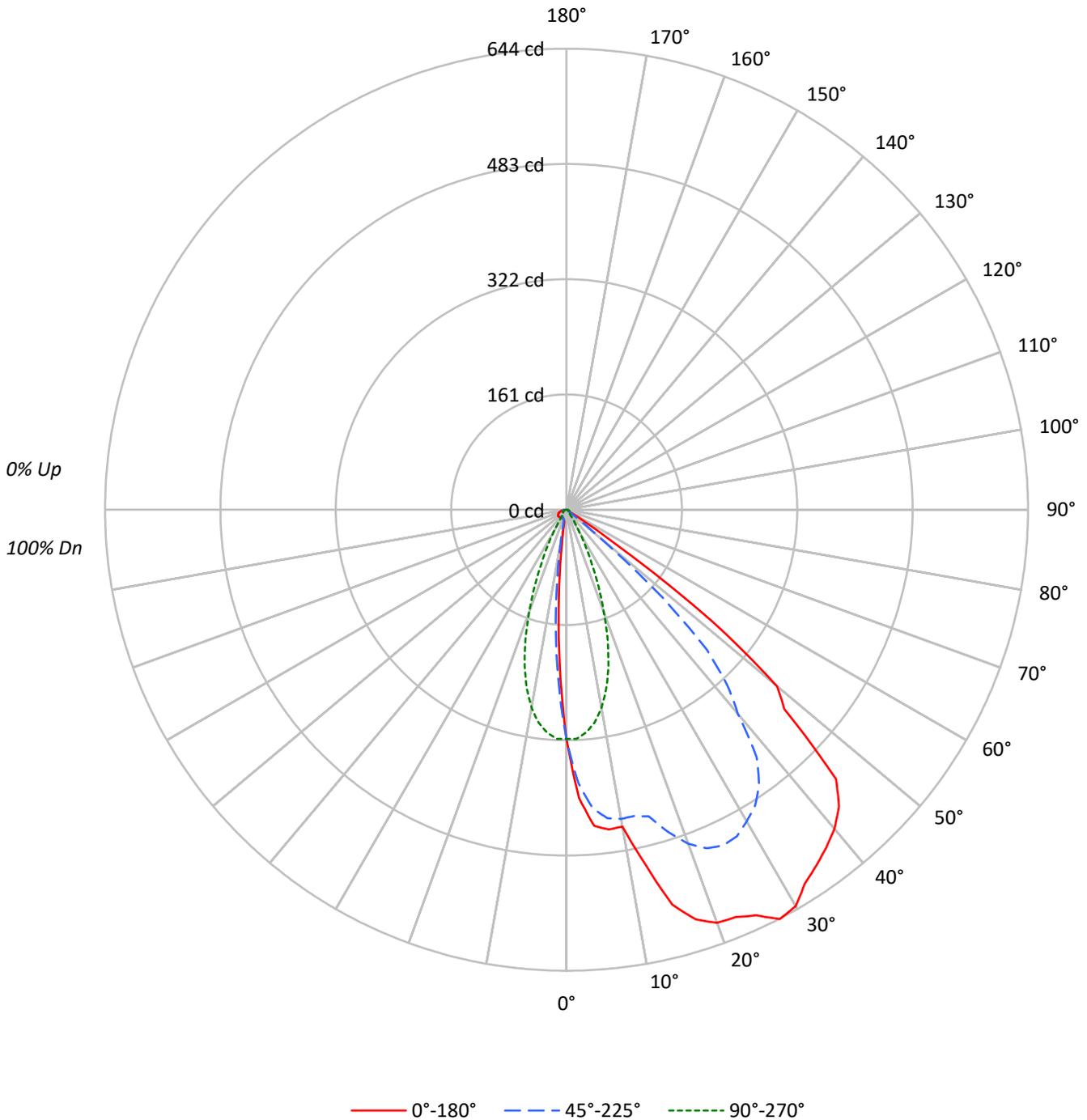
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 480.1 lumens
Efficiency: N/A
Efficacy: 43.2 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	63	58	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	55146	55146	55146	55146	55146
5°	76655	72350	53991	29666	20867
10°	78591	76685	49106	8289	3060
15°	101826	79057	40206	2674	2585
20°	112531	90960	27968	2383	2474
25°	118767	98301	15829	2280	2470
30°	127175	99990	7139	2287	2585
35°	127640	98479	2313	2418	2838
40°	130756	83656	1574	2585	3147
45°	129501	67417	1583	2801	3410
50°	102778	15915	1608	3081	3885
55°	24411	901	1651	3453	4354
60°	861	1033	1894	3617	4650
65°	1019	1019	1834	3871	5094
70°	755	1007	1762	3777	5287
75°	665	998	1664	3993	5323
80°	496	992	1984	3967	5455
85°	988	1976	1976	3952	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 129744 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.7	5.6
10°-20°	70.4	14.7
20°-30°	110.6	23.0
30°-40°	126.5	26.3
40°-50°	101.7	21.2
50°-60°	33.1	6.9
60°-70°	5.9	1.2
70°-80°	3.9	0.8
80°-90°	1.4	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°	207.7	43.3
0°-40°	334.2	69.6
0°-60°	468.9	97.7
0°-90°	480.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	480.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	320	320	320	320	320	
5°	443	418	312	172	121	42
15°	571	443	226	15	14	159
25°	625	517	83	12	13	291
35°	607	468	11	12	14	381
45°	532	277	6	12	14	383
55°	81	3	6	12	14	116
65°	2	2	4	10	12	2
75°	1	2	2	6	8	1
85°	0	1	1	2	2	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°	320.2	320.2	320.2	320.2	320.2	320.2	320.2	320.2	320.2	320.2	320.2
2.5°	403.0	401.5	403.5	400.1	399.6	396.1	394.1	393.1	388.6	382.6	377.1
5°	443.4	437.5	439.0	438.5	436.0	434.5	432.5	430.0	424.0	418.5	411.5
7.5°	450.4	445.4	446.4	446.9	445.4	444.9	444.4	443.4	439.5	434.5	428.5
10°	449.4	444.4	443.9	442.5	441.0	441.5	441.5	441.5	440.5	438.5	436.5
12.5°	507.3	500.3	498.8	488.3	478.9	462.4	451.9	442.0	437.5	438.0	436.5
15°	571.1	570.6	565.7	555.7	539.7	524.8	500.8	482.9	459.9	443.4	436.5
17.5°	600.1	599.6	595.1	586.6	575.1	561.2	543.7	522.8	497.3	471.9	450.9
20°	614.0	617.5	612.5	605.6	594.6	581.6	565.2	546.2	522.3	496.3	471.4
22.5°	616.0	620.5	616.0	611.1	603.1	594.6	580.6	561.2	536.7	511.8	487.3
25°	625.0	626.5	617.0	610.6	603.1	597.1	586.1	569.2	544.2	517.3	493.3
27.5°	644.5	638.0	618.0	609.1	602.1	596.6	586.1	568.7	541.7	514.3	489.3
30°	639.5	637.0	619.5	611.1	605.1	599.6	586.6	564.2	531.7	502.8	476.9
32.5°	619.0	624.0	618.0	615.0	612.0	605.1	586.1	555.7	519.3	489.8	454.9
35°	607.1	613.0	613.5	613.5	610.1	599.6	577.1	543.2	506.8	468.4	421.5
37.5°	595.1	600.1	603.1	605.1	600.1	585.1	556.7	526.3	486.3	436.0	353.7
40°	581.6	585.1	587.6	588.6	581.1	561.7	535.7	501.3	456.4	372.1	315.8
42.5°	562.7	564.7	564.2	563.7	555.7	534.2	509.8	473.9	385.1	331.7	263.4
45°	531.7	529.7	532.7	532.7	522.3	506.3	473.9	404.0	344.7	276.8	169.6
47.5°	412.0	413.5	428.0	451.4	465.9	461.4	417.5	353.7	289.8	181.6	56.4
50°	383.6	382.1	382.6	385.1	386.6	374.1	342.7	298.8	191.5	59.4	4.0
52.5°	257.4	258.9	270.4	296.8	305.3	296.3	266.4	199.5	69.8	4.0	3.5
55°	81.3	86.8	93.3	107.2	131.7	147.2	144.2	70.8	4.5	3.0	3.5
57.5°	3.0	3.0	4.0	7.0	13.5	21.9	22.9	4.5	3.5	3.5	3.5
60°	2.5	2.5	2.5	2.5	2.5	2.5	3.0	3.0	3.0	3.0	3.0
62.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.0	3.0	3.0	3.0
65°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3.0
67.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5	2.5	2.5	2.5
70°	1.5	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5
72.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0
75°	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5
80°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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°	320.2	320.2	320.2	320.2	320.2	320.2	320.2	320.2
2.5°	374.1	368.1	356.2	320.2	282.8	245.4	222.0	216.0
5°	403.5	396.6	379.6	312.3	236.4	171.6	134.7	120.7
7.5°	421.5	413.0	393.1	299.8	184.1	99.8	59.9	47.9
10°	429.5	422.0	399.6	280.8	133.2	47.4	21.0	17.5
12.5°	433.0	427.0	402.0	255.9	86.8	21.0	15.5	15.0
15°	434.5	428.0	401.0	225.5	49.4	15.0	14.5	14.5
17.5°	436.0	428.5	395.1	190.5	27.4	14.0	13.5	14.0
20°	447.9	426.5	384.6	152.6	18.0	13.0	13.0	13.5
22.5°	459.9	426.0	366.1	116.7	14.0	12.5	13.0	13.0
25°	463.9	421.0	342.7	83.3	12.0	12.0	12.5	13.0
27.5°	456.4	406.5	311.3	56.4	10.5	12.0	12.5	13.0
30°	439.0	382.1	273.4	35.9	10.0	11.5	12.5	13.0
32.5°	406.5	333.7	231.0	21.4	9.5	11.5	13.0	13.0
35°	341.7	279.8	183.1	11.0	9.5	11.5	13.0	13.5
37.5°	298.8	233.4	127.7	7.5	9.5	11.5	13.0	13.5
40°	247.9	168.6	53.4	7.0	9.5	11.5	13.0	14.0
42.5°	171.6	73.3	8.5	6.5	9.0	11.5	13.5	14.0
45°	61.9	9.5	4.0	6.5	9.0	11.5	13.5	14.0
47.5°	5.5	3.5	4.0	6.5	9.0	11.5	13.5	14.5
50°	3.5	3.5	3.5	6.0	9.0	11.5	13.5	14.5
52.5°	3.5	3.5	3.5	6.0	8.5	11.5	14.0	14.5
55°	3.5	3.5	3.5	5.5	8.5	11.5	13.5	14.5
57.5°	3.5	3.5	4.0	5.5	8.5	11.0	13.5	14.0
60°	3.5	3.5	3.5	5.5	8.0	10.5	13.0	13.5
62.5°	3.0	3.5	3.5	5.0	7.5	10.0	12.5	13.0
65°	3.0	3.0	3.5	4.5	7.0	9.5	11.5	12.5
67.5°	2.5	3.0	3.0	4.0	6.0	8.5	10.5	11.5
70°	2.5	2.5	2.5	3.5	5.5	7.5	10.0	10.5
72.5°	2.0	2.5	2.5	3.0	4.5	6.5	8.5	9.5
75°	2.0	2.0	2.0	2.5	4.0	6.0	7.5	8.0
77.5°	1.5	1.5	2.0	2.0	3.5	4.5	6.5	7.0
80°	1.5	1.5	1.5	2.0	2.5	4.0	5.0	5.5
82.5°	1.0	1.0	1.0	1.5	2.0	2.5	3.5	4.0
85°	1.0	1.0	1.0	1.0	1.5	2.0	2.5	2.5
87.5°	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)