

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: P1324090

Luminaire Tested: LDSQA3D17R459030D2WDE010 3LSQCA45R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324090
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-84)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R459030D2WDE010 3LSQCA45R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,
3LSQCA45R 1MW TRIM
Light Source: -
Ballast/Driver: -

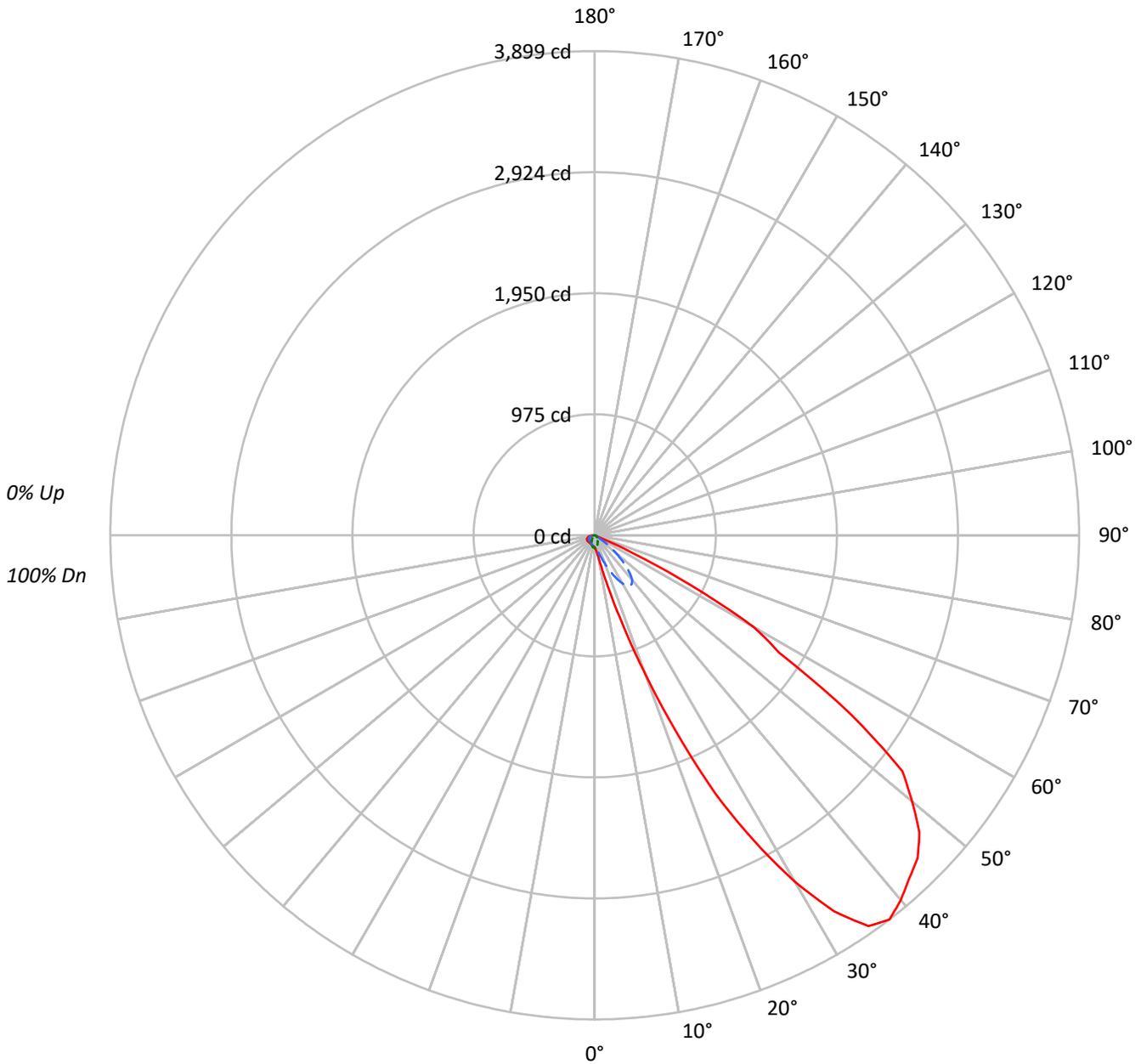
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1742.0 lumens
Efficiency: N/A
Efficacy: 63.8 lumens/watt
Spacing Criteria (0/90/45): 3.81 / 0.82 / 1.83
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.3
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



— 0°-180° - - - 45°-225° ····· 90°-270°



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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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	83	71	62	56	81	70	62	55	67	60	55	65	59	54	63	58	53	51
5	76	63	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	69	55	46	39	67	54	46	39	52	45	39	51	44	39	49	43	38	36
7	63	49	40	34	61	48	40	33	47	39	33	45	38	33	44	37	33	31
8	58	44	35	29	56	43	35	29	42	34	29	40	33	28	39	33	28	26
9	53	39	31	25	52	39	30	25	38	30	25	36	29	25	35	29	24	22
10	49	36	27	22	48	35	27	22	34	27	21	33	26	21	32	26	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	17360	17360	17360	17360	17360
5°	20659	19155	17167	15922	15922
10°	32982	22402	16106	15110	15110
15°	82124	30025	14620	14121	14620
20°	216320	44848	12664	13452	14241
25°	434344	66471	10946	12580	13948
30°	640327	89012	8869	12310	14318
35°	807698	104408	7569	12110	14822
40°	861738	105486	6790	12612	15850
45°	895374	87998	6308	13664	17171
50°	893951	61329	6162	14656	19291
55°	759780	27234	6486	16424	21168
60°	510675	5442	6441	18359	24283
65°	135498	2364	6439	19927	27589
70°	3626	2921	6546	21753	31169
75°	2861	2861	6721	22957	35467
80°	2876	4265	7141	24299	39969
85°	2766	5730	11461	25688	39916

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 47.5°
 Luminance: 918407 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.0	0.6
10°-20°	49.1	2.8
20°-30°	202.7	11.6
30°-40°	427.1	24.5
40°-50°	526.9	30.2
50°-60°	395.0	22.7
60°-70°	101.6	5.8
70°-80°	21.1	1.2
80°-90°	8.6	0.5
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°	261.8	15.0
0°-40°	688.9	39.5
0°-60°	1610.8	92.5
0°-90°	1742.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1742.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	101	101	101	101	101	
5°	120	111	99	92	92	13
15°	461	168	82	79	82	168
25°	2286	350	58	66	73	1065
35°	3842	497	36	58	70	2341
45°	3676	361	26	56	70	2813
55°	2530	91	22	55	70	2185
65°	332	6	16	49	68	479
75°	4	4	10	34	53	5
85°	1	3	6	13	20	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8	100.8
2.5°	106.5	106.5	106.5	106.5	106.5	106.5	106.5	105.1	103.6	100.8	97.9
5°	119.5	118.0	118.0	118.0	116.6	115.1	115.1	110.8	105.1	99.3	95.0
7.5°	141.1	141.1	139.6	136.7	135.3	132.4	129.5	118.0	105.1	96.4	90.7
10°	188.6	185.7	181.4	178.5	171.3	161.2	154.0	128.1	103.6	92.1	87.8
12.5°	282.1	287.9	273.5	259.1	238.9	220.2	197.2	145.4	103.6	87.8	83.5
15°	460.6	470.7	443.3	414.5	365.6	319.5	276.4	168.4	100.8	82.0	77.7
17.5°	752.8	765.7	719.7	652.0	575.7	483.6	404.5	200.1	97.9	76.3	73.4
20°	1180.3	1178.8	1089.6	1004.7	857.9	722.6	574.3	244.7	93.6	69.1	69.1
22.5°	1705.7	1711.4	1602.0	1449.4	1240.7	1023.4	787.3	296.5	87.8	63.3	64.8
25°	2285.7	2236.8	2107.2	1921.6	1655.3	1354.4	1043.5	349.8	82.0	57.6	60.5
27.5°	2769.4	2721.9	2573.6	2353.4	2066.9	1710.0	1304.1	403.0	74.8	51.8	56.1
30°	3219.9	3159.4	2980.9	2731.9	2390.8	2005.0	1548.8	447.6	66.2	44.6	51.8
32.5°	3591.2	3536.5	3333.6	3044.3	2672.9	2258.4	1756.0	482.2	57.6	40.3	48.9
35°	3841.7	3785.5	3598.4	3280.3	2875.9	2442.6	1924.4	496.6	50.4	36.0	47.5
37.5°	3899.3	3869.0	3735.2	3437.2	3015.5	2560.6	2032.4	492.3	41.7	33.1	44.6
40°	3833.0	3840.2	3776.9	3529.3	3090.3	2611.0	2077.0	469.2	34.5	30.2	43.2
42.5°	3748.1	3766.8	3762.5	3566.8	3122.0	2613.9	2058.3	423.2	27.3	27.3	41.7
45°	3676.2	3694.9	3720.8	3550.9	3100.4	2576.5	1999.3	361.3	20.2	25.9	41.7
47.5°	3545.2	3565.3	3602.7	3424.3	2991.0	2480.0	1892.8	293.6	14.4	24.5	40.3
50°	3336.5	3346.5	3336.5	3136.4	2780.9	2324.6	1720.1	228.9	10.1	23.0	40.3
52.5°	3122.0	3101.8	3018.4	2765.0	2446.9	2078.5	1502.7	162.6	7.2	21.6	38.9
55°	2530.4	2498.8	2436.9	2281.4	2100.0	1776.2	1214.8	90.7	7.2	21.6	37.4
57.5°	1763.2	1780.5	1802.1	1770.4	1686.9	1399.1	922.6	40.3	7.2	20.2	37.4
60°	1482.6	1468.2	1469.6	1449.4	1311.3	1020.5	634.8	15.8	7.2	18.7	36.0
62.5°	885.2	895.3	914.0	918.3	781.6	570.0	332.5	7.2	7.2	17.3	34.5
65°	332.5	348.3	305.1	264.8	210.1	154.0	77.7	5.8	8.6	15.8	31.7
67.5°	10.1	11.5	14.4	13.0	13.0	11.5	8.6	5.8	8.6	14.4	30.2
70°	7.2	7.2	7.2	7.2	7.2	5.8	5.8	5.8	7.2	13.0	27.3
72.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	7.2	11.5	24.5
75°	4.3	5.8	4.3	4.3	4.3	4.3	4.3	4.3	7.2	10.1	20.2
77.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.8	8.6	17.3
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.3	5.8	7.2	14.4
82.5°	2.9	2.9	2.9	1.4	2.9	2.9	2.9	2.9	5.8	5.8	11.5
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	4.3	5.8	7.2
87.5°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	2.9	4.3	4.3	4.3
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):

	135°	157.5°	180°
0°	100.8	100.8	100.8
2.5°	95.0	95.0	95.0
5°	92.1	92.1	92.1
7.5°	89.2	89.2	89.2
10°	86.4	86.4	86.4
12.5°	83.5	83.5	84.9
15°	79.2	82.0	82.0
17.5°	76.3	79.2	80.6
20°	73.4	76.3	77.7
22.5°	69.1	73.4	76.3
25°	66.2	72.0	73.4
27.5°	63.3	70.5	73.4
30°	61.9	69.1	72.0
32.5°	59.0	67.7	70.5
35°	57.6	67.7	70.5
37.5°	57.6	66.2	70.5
40°	56.1	66.2	70.5
42.5°	56.1	66.2	70.5
45°	56.1	66.2	70.5
47.5°	54.7	66.2	72.0
50°	54.7	67.7	72.0
52.5°	54.7	67.7	72.0
55°	54.7	67.7	70.5
57.5°	53.3	66.2	70.5
60°	53.3	66.2	70.5
62.5°	50.4	64.8	69.1
65°	48.9	63.3	67.7
67.5°	46.1	61.9	64.8
70°	43.2	57.6	61.9
72.5°	38.9	54.7	59.0
75°	34.5	50.4	53.3
77.5°	30.2	44.6	47.5
80°	24.5	37.4	40.3
82.5°	18.7	28.8	30.2
85°	13.0	18.7	20.2
87.5°	5.8	8.6	10.1
90°	0.0	0.0	0.0

(END OF REPORT)