

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: P1324098

Luminaire Tested: LDSQA3D17R509030D2WDE010 3LSQCA45R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324098
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-79)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R509030D2WDE010 3LSQCA45R 1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
3LSQCA45R 1MMS TRIM
Light Source: -
Ballast/Driver: -

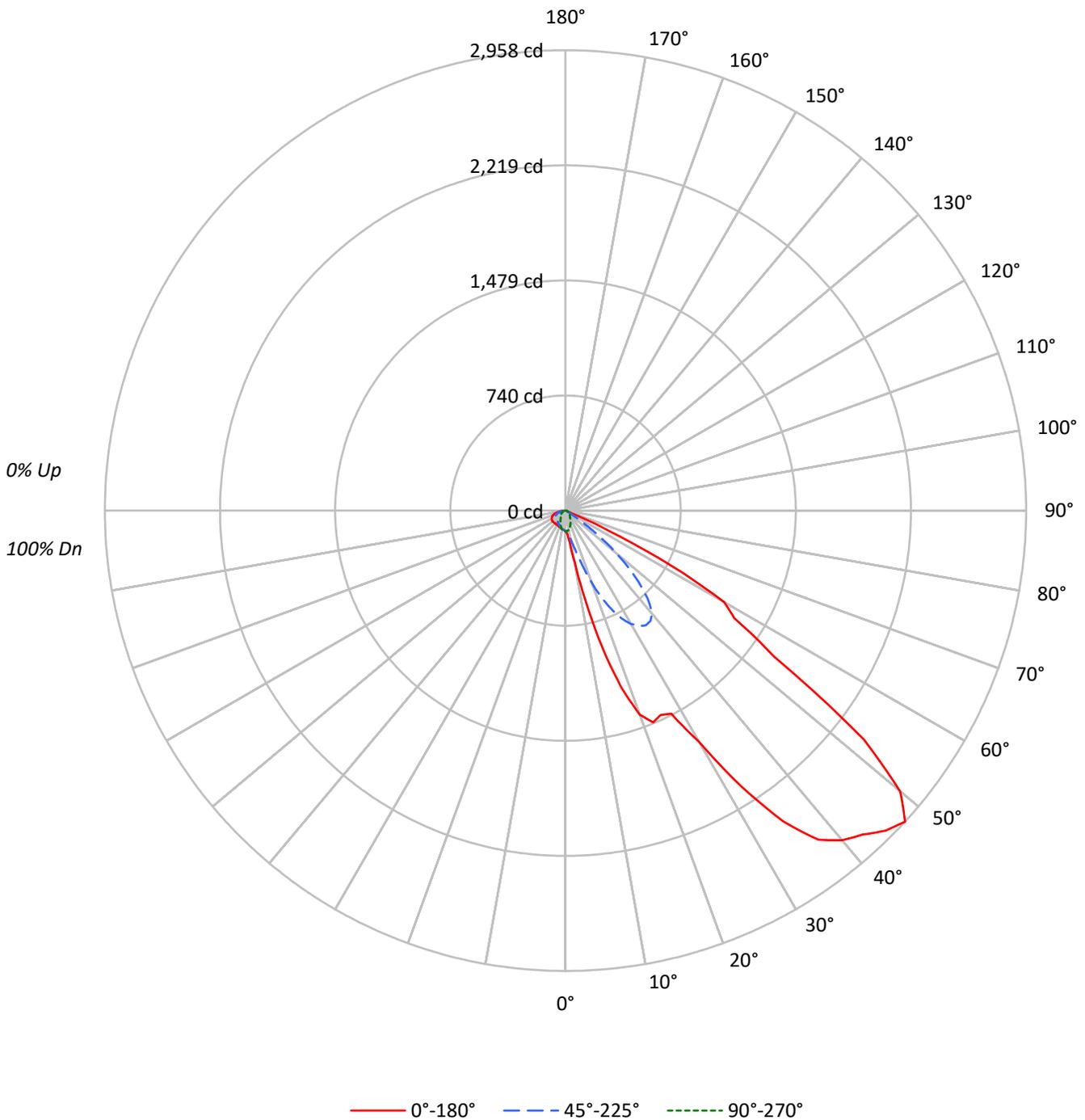
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1668.0 lumens
Efficiency: N/A
Efficacy: 61.1 lumens/watt
Spacing Criteria (0/90/45): 3.58 / 0.83 / 1.91
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

TEST NUMBER: P1324098
CATALOG NUMBER: LDSQA3D17R509030D2WDE010 3LSQCA45R 1MMS

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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	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	63	56	81	70	62	56	67	60	55	65	59	54	63	58	53	51
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	50	43	39	37
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	58	44	36	30	57	44	35	29	42	35	29	41	34	29	40	34	29	27
9	54	40	31	26	53	39	31	26	38	31	25	37	30	25	36	30	25	23
10	50	36	28	23	49	36	28	22	35	27	22	34	27	22	33	27	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	22819	22819	22819	22819	22819
5°	27142	25413	22665	21662	21420
10°	58445	31496	21668	20916	21160
15°	161841	51635	19524	20041	20807
20°	255871	90575	16898	19281	20325
25°	275140	133057	14518	18623	20542
30°	341512	167027	12608	18335	21199
35°	512514	189010	10912	18481	22412
40°	621562	194335	9712	19110	23651
45°	708125	166668	9474	20362	25963
50°	751573	115023	9646	21997	28963
55°	490987	46300	9518	23781	32008
60°	404930	7957	9438	25799	35237
65°	122132	4116	8802	27589	38755
70°	5086	4330	8711	28299	42096
75°	4791	4791	8650	28746	46047
80°	4265	4265	8529	28564	47110
85°	2766	5730	11461	28455	45646

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 47.5°
 Luminance: 754008 cd/sqm



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CATALOG NUMBER: LDSQA3D17R509030D2WDE010 3LSQCA45R 1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.8	0.8
10°-20°	79.0	4.7
20°-30°	203.0	12.2
30°-40°	364.7	21.9
40°-50°	487.2	29.2
50°-60°	371.1	22.2
60°-70°	112.6	6.8
70°-80°	26.9	1.6
80°-90°	9.7	0.6
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°	295.8	17.7
0°-40°	660.5	39.6
0°-60°	1518.8	91.1
0°-90°	1668.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1668.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	132	132	132	132	132	
5°	157	147	131	125	124	20
15°	908	290	110	112	117	267
25°	1448	700	76	98	108	691
35°	2438	899	52	88	107	1497
45°	2907	684	39	84	107	2223
55°	1635	154	32	79	107	1627
65°	300	10	22	68	95	415
75°	7	7	13	43	69	8
85°	1	3	6	14	23	2
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5	132.5
2.5°	141.2	141.2	141.2	141.2	141.2	141.2	139.7	139.7	139.7	136.9	134.0
5°	157.0	158.5	157.0	157.0	154.2	154.2	151.3	151.3	147.0	138.3	131.1
7.5°	206.0	204.6	203.1	197.4	193.1	183.0	178.6	171.4	158.5	138.3	128.2
10°	334.2	325.6	319.8	306.9	279.5	262.2	239.2	216.1	180.1	138.3	123.9
12.5°	580.6	579.2	561.9	518.7	479.8	426.5	370.3	314.1	221.9	135.4	118.1
15°	907.7	894.7	870.2	819.8	750.6	667.1	566.2	466.8	289.6	131.1	109.5
17.5°	1187.2	1171.3	1152.6	1102.1	1022.9	917.7	796.7	659.8	381.8	125.3	100.9
20°	1396.1	1386.0	1370.1	1329.8	1254.9	1159.8	1024.3	858.7	494.2	118.1	92.2
22.5°	1472.4	1471.0	1473.9	1459.4	1422.0	1347.1	1217.4	1044.5	605.1	109.5	83.6
25°	1447.9	1446.5	1465.2	1483.9	1492.6	1462.3	1362.9	1194.4	700.2	102.3	76.4
27.5°	1471.0	1466.6	1458.0	1460.9	1485.4	1502.7	1456.6	1309.6	782.3	92.2	69.2
30°	1717.3	1692.8	1653.9	1587.7	1538.7	1534.4	1514.2	1400.4	839.9	82.1	63.4
32.5°	2102.0	2071.8	2001.2	1878.7	1762.0	1672.7	1609.3	1476.7	880.3	72.0	56.2
35°	2437.7	2416.1	2334.0	2212.9	2045.8	1878.7	1763.4	1589.1	899.0	63.4	51.9
37.5°	2665.3	2656.7	2576.0	2446.3	2276.3	2079.0	1926.2	1704.4	894.7	53.3	47.5
40°	2764.7	2738.8	2671.1	2561.6	2390.1	2212.9	2051.6	1777.8	864.4	43.2	43.2
42.5°	2823.8	2795.0	2721.5	2617.8	2449.2	2260.5	2066.0	1746.1	792.4	34.6	41.8
45°	2907.4	2877.1	2780.6	2669.6	2499.6	2280.7	2009.8	1633.8	684.3	25.9	38.9
47.5°	2957.8	2937.6	2865.6	2754.7	2548.6	2251.8	1880.1	1528.6	564.8	20.2	37.5
50°	2805.1	2784.9	2731.6	2655.2	2516.9	2155.3	1766.3	1358.6	429.3	15.8	36.0
52.5°	2414.6	2431.9	2442.0	2463.6	2362.8	1939.2	1596.3	1223.2	289.6	13.0	33.1
55°	1635.2	1661.1	1690.0	1776.4	1894.5	1726.0	1417.7	1057.5	154.2	13.0	31.7
57.5°	1285.1	1276.5	1267.8	1262.1	1354.3	1423.4	1246.2	845.7	66.3	13.0	28.8
60°	1175.6	1149.7	1132.4	1136.7	1182.8	1155.5	986.9	551.8	23.1	13.0	27.4
62.5°	770.8	791.0	829.9	896.1	864.4	742.0	573.4	219.0	11.5	13.0	24.5
65°	299.7	289.6	299.7	318.4	275.2	204.6	128.2	38.9	10.1	11.5	21.6
67.5°	40.3	36.0	27.4	17.3	15.8	14.4	11.5	10.1	10.1	11.5	20.2
70°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	8.6	8.6	10.1	17.3
72.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	10.1	14.4
75°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	8.6	13.0
77.5°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	7.2	10.1
80°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.8	8.6
82.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.3	4.3	5.8	7.2
85°	1.4	2.9	1.4	2.9	2.9	2.9	2.9	2.9	2.9	4.3	5.8
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	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):

	112.5°	135°	157.5°	180°
0°	132.5	132.5	132.5	132.5
2.5°	131.1	128.2	128.2	128.2
5°	128.2	125.3	125.3	123.9
7.5°	123.9	122.5	122.5	122.5
10°	121.0	119.6	121.0	121.0
12.5°	115.3	116.7	118.1	118.1
15°	109.5	112.4	115.3	116.7
17.5°	103.7	109.5	112.4	113.8
20°	98.0	105.2	109.5	110.9
22.5°	93.6	100.9	106.6	109.5
25°	87.9	98.0	105.2	108.1
27.5°	82.1	93.6	102.3	106.6
30°	77.8	92.2	102.3	106.6
32.5°	73.5	89.3	100.9	105.2
35°	70.6	87.9	100.9	106.6
37.5°	67.7	86.4	100.9	105.2
40°	66.3	85.0	100.9	105.2
42.5°	64.8	85.0	100.9	106.6
45°	62.0	83.6	100.9	106.6
47.5°	60.5	83.6	100.9	106.6
50°	59.1	82.1	100.9	108.1
52.5°	57.6	80.7	100.9	108.1
55°	54.7	79.2	99.4	106.6
57.5°	53.3	77.8	98.0	103.7
60°	50.4	74.9	95.1	102.3
62.5°	47.5	72.0	92.2	98.0
65°	43.2	67.7	87.9	95.1
67.5°	38.9	62.0	83.6	90.8
70°	34.6	56.2	77.8	83.6
72.5°	30.3	50.4	72.0	76.4
75°	25.9	43.2	63.4	69.2
77.5°	21.6	37.5	53.3	57.6
80°	15.8	28.8	43.2	47.5
82.5°	13.0	21.6	31.7	34.6
85°	8.6	14.4	20.2	23.1
87.5°	4.3	7.2	10.1	11.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)