

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: P1324128

Luminaire Tested: LDSQA3D17R709030D2WDE010 3LSQCA45R 1MB

Issue Date: 1/29/2026

**Test Information**

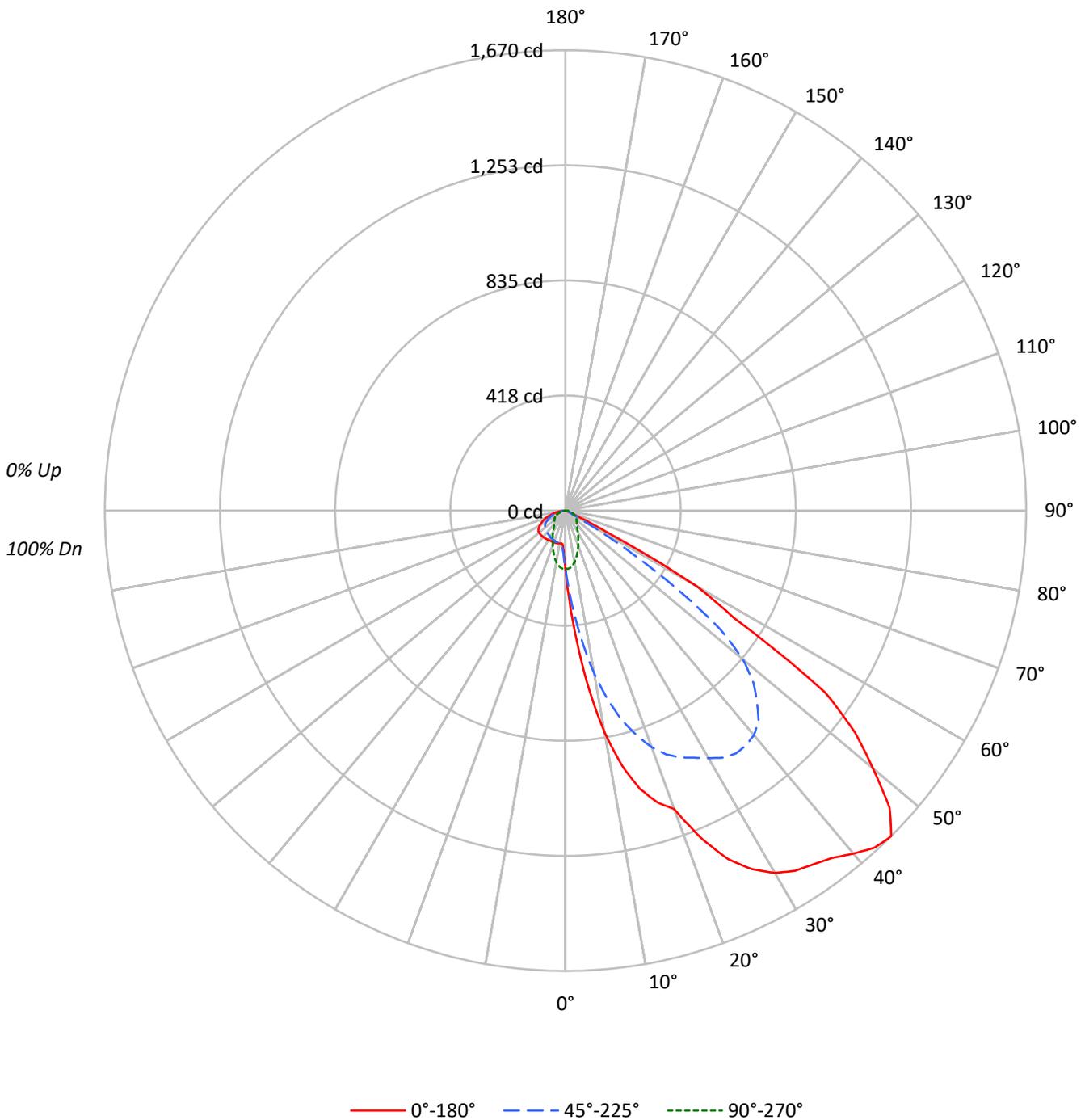
Test Method: LM-79-2019  
Report Number: P1324128  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-83)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R709030D2WDE010 3LSQCA45R 1MB  
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
3LSQCA45R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1443.0 lumens  
Efficiency: N/A  
Efficacy: 52.9 lumens/watt  
Spacing Criteria (0/90/45): 2.92 / 0.77 / 2.03  
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





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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	100			100	
1	110	106	103	99	108	104	101	98	100	97	95	96	94	92	93	91	89	87			87	
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	75			75	
3	93	83	76	70	90	82	75	69	79	73	68	76	71	67	74	69	66	64			64	
4	85	74	66	59	83	72	65	59	70	63	58	68	62	57	66	61	57	54			54	
5	78	66	57	51	76	65	57	51	63	55	50	61	54	49	59	53	49	47			47	
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43	41			41	
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35			35	
8	61	48	40	34	60	47	39	34	46	39	33	45	38	33	44	38	33	31			31	
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28			28	
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	37	31	26	25			25	

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	36201	36201	36201	36201	36201
5°	82378	65954	35838	22647	21161
10°	142754	104735	33227	20653	21143
15°	186357	139893	29009	21057	21824
20°	211078	167294	24797	21370	22690
25°	265106	187670	20789	21606	23259
30°	301759	206144	17759	22054	24620
35°	329328	226097	15432	22391	26028
40°	365109	238872	14231	23314	28170
45°	406745	239151	14029	24551	30518
50°	389598	224874	13879	25855	33170
55°	344970	145687	14262	27234	35881
60°	188928	31241	14398	27762	37200
65°	13489	7621	14100	27589	37532
70°	6546	7251	13042	26084	36255
75°	5723	7652	12443	24887	33537
80°	5752	7141	11406	22811	31440
85°	5730	8497	11461	19958	28455

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 406745 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	27.4	1.9
10°-20°	117.3	8.1
20°-30°	225.0	15.6
30°-40°	318.2	22.0
40°-50°	359.9	24.9
50°-60°	285.1	19.8
60°-70°	76.9	5.3
70°-80°	25.5	1.8
80°-90°	7.8	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°	369.7	25.6
0°-40°	687.9	47.7
0°-60°	1332.8	92.4
0°-90°	1443.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1443.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	210	210	210	210	210	
5°	476	382	207	131	122	56
15°	1045	785	163	118	122	294
25°	1395	988	109	114	122	639
35°	1566	1075	73	106	124	987
45°	1670	982	58	101	125	1249
55°	1149	485	48	91	120	932
65°	33	19	35	68	92	119
75°	9	12	19	37	50	9
85°	3	4	6	10	14	3
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°	210.2	210.2	210.2	210.2	210.2	210.2	210.2	210.2	210.2	210.2	210.2
2.5°	326.8	326.8	325.4	319.6	316.7	309.5	303.8	287.9	249.1	211.6	181.4
5°	476.5	483.7	473.7	472.2	463.6	450.6	442.0	381.5	287.9	207.3	155.5
7.5°	653.6	656.5	653.6	639.2	626.3	604.7	584.5	489.5	326.8	200.1	136.8
10°	816.3	812.0	803.3	793.3	774.5	751.5	717.0	598.9	364.2	190.0	125.3
12.5°	948.8	947.3	937.2	927.2	904.1	873.9	839.3	698.2	395.9	177.1	119.5
15°	1045.2	1045.2	1035.1	1023.6	1002.0	977.5	938.7	784.6	421.8	162.7	113.7
17.5°	1110.0	1107.1	1099.9	1091.3	1074.0	1049.5	1019.3	853.7	439.1	148.3	112.3
20°	1151.7	1150.3	1144.5	1131.6	1117.2	1098.5	1071.1	912.8	446.3	135.3	110.9
22.5°	1285.6	1274.1	1252.5	1225.2	1190.6	1146.0	1108.6	957.4	443.4	120.9	108.0
25°	1395.1	1390.7	1367.7	1334.6	1288.5	1230.9	1169.0	987.6	429.0	109.4	105.1
27.5°	1467.0	1459.8	1438.2	1402.3	1353.3	1297.2	1239.6	1010.7	408.9	99.3	100.8
30°	1517.4	1513.1	1491.5	1451.2	1400.8	1338.9	1279.9	1036.6	381.5	89.3	96.5
32.5°	1549.1	1544.8	1523.2	1487.2	1438.2	1373.5	1305.8	1062.5	348.4	80.6	92.1
35°	1566.4	1562.1	1537.6	1505.9	1459.8	1396.5	1324.5	1075.4	308.1	73.4	87.8
37.5°	1588.0	1579.3	1546.2	1507.3	1461.3	1402.3	1330.3	1074.0	267.8	67.7	84.9
40°	1624.0	1600.9	1553.4	1501.6	1454.1	1395.1	1325.9	1062.5	223.2	63.3	82.1
42.5°	1658.5	1625.4	1554.9	1493.0	1439.7	1382.1	1310.1	1036.6	174.2	60.5	80.6
45°	1670.0	1621.1	1534.7	1472.8	1422.4	1363.4	1288.5	981.9	118.1	57.6	77.7
47.5°	1593.7	1557.7	1485.8	1439.7	1392.2	1334.6	1256.8	924.3	67.7	54.7	74.9
50°	1454.1	1431.0	1390.7	1361.9	1336.0	1295.7	1219.4	839.3	40.3	51.8	72.0
52.5°	1324.5	1317.3	1288.5	1265.5	1251.1	1232.4	1163.3	708.3	33.1	50.4	69.1
55°	1148.9	1125.8	1118.6	1110.0	1140.2	1138.8	1045.2	485.2	31.7	47.5	66.2
57.5°	721.3	731.4	768.8	837.9	920.0	967.5	964.6	259.1	30.2	44.6	61.9
60°	548.5	547.1	558.6	587.4	647.9	715.5	778.9	90.7	28.8	41.8	59.0
62.5°	164.1	168.4	203.0	298.0	357.0	440.5	401.7	21.6	27.4	37.4	53.3
65°	33.1	34.6	34.6	38.9	47.5	72.0	87.8	18.7	25.9	34.6	48.9
67.5°	14.4	14.4	14.4	15.8	15.8	18.7	15.8	17.3	23.0	30.2	43.2
70°	13.0	13.0	13.0	13.0	13.0	13.0	14.4	14.4	20.2	25.9	37.4
72.5°	10.1	10.1	10.1	11.5	11.5	11.5	11.5	13.0	17.3	21.6	31.7
75°	8.6	8.6	8.6	8.6	10.1	10.1	10.1	11.5	14.4	18.7	25.9
77.5°	7.2	7.2	7.2	7.2	7.2	8.6	8.6	8.6	11.5	14.4	21.6
80°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	7.2	8.6	11.5	15.8
82.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	5.8	7.2	8.6	11.5
85°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	4.3	4.3	5.8	7.2
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	2.9	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°	210.2	210.2	210.2
2.5°	159.8	151.2	146.8
5°	131.0	123.8	122.4
7.5°	120.9	119.5	119.5
10°	118.1	119.5	120.9
12.5°	118.1	120.9	122.4
15°	118.1	120.9	122.4
17.5°	118.1	120.9	122.4
20°	116.6	120.9	123.8
22.5°	115.2	120.9	122.4
25°	113.7	120.9	122.4
27.5°	112.3	119.5	122.4
30°	110.9	119.5	123.8
32.5°	108.0	119.5	123.8
35°	106.5	119.5	123.8
37.5°	105.1	119.5	125.3
40°	103.7	119.5	125.3
42.5°	102.2	119.5	125.3
45°	100.8	118.1	125.3
47.5°	97.9	118.1	125.3
50°	96.5	116.6	123.8
52.5°	93.6	115.2	123.8
55°	90.7	112.3	119.5
57.5°	86.4	108.0	113.7
60°	80.6	102.2	108.0
62.5°	73.4	95.0	99.3
65°	67.7	86.4	92.1
67.5°	59.0	76.3	82.1
70°	51.8	66.2	72.0
72.5°	44.6	56.1	61.9
75°	37.4	46.1	50.4
77.5°	28.8	37.4	40.3
80°	23.0	28.8	31.7
82.5°	15.8	20.2	21.6
85°	10.1	13.0	14.4
87.5°	4.3	5.8	5.8
90°	0.0	0.0	0.0

(END OF REPORT)