

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: P1323538

Luminaire Tested: LDSQA3D02R659030D2WDE010 3LSQCA45R 1MB

Issue Date: 1/29/2026

**Test Information**

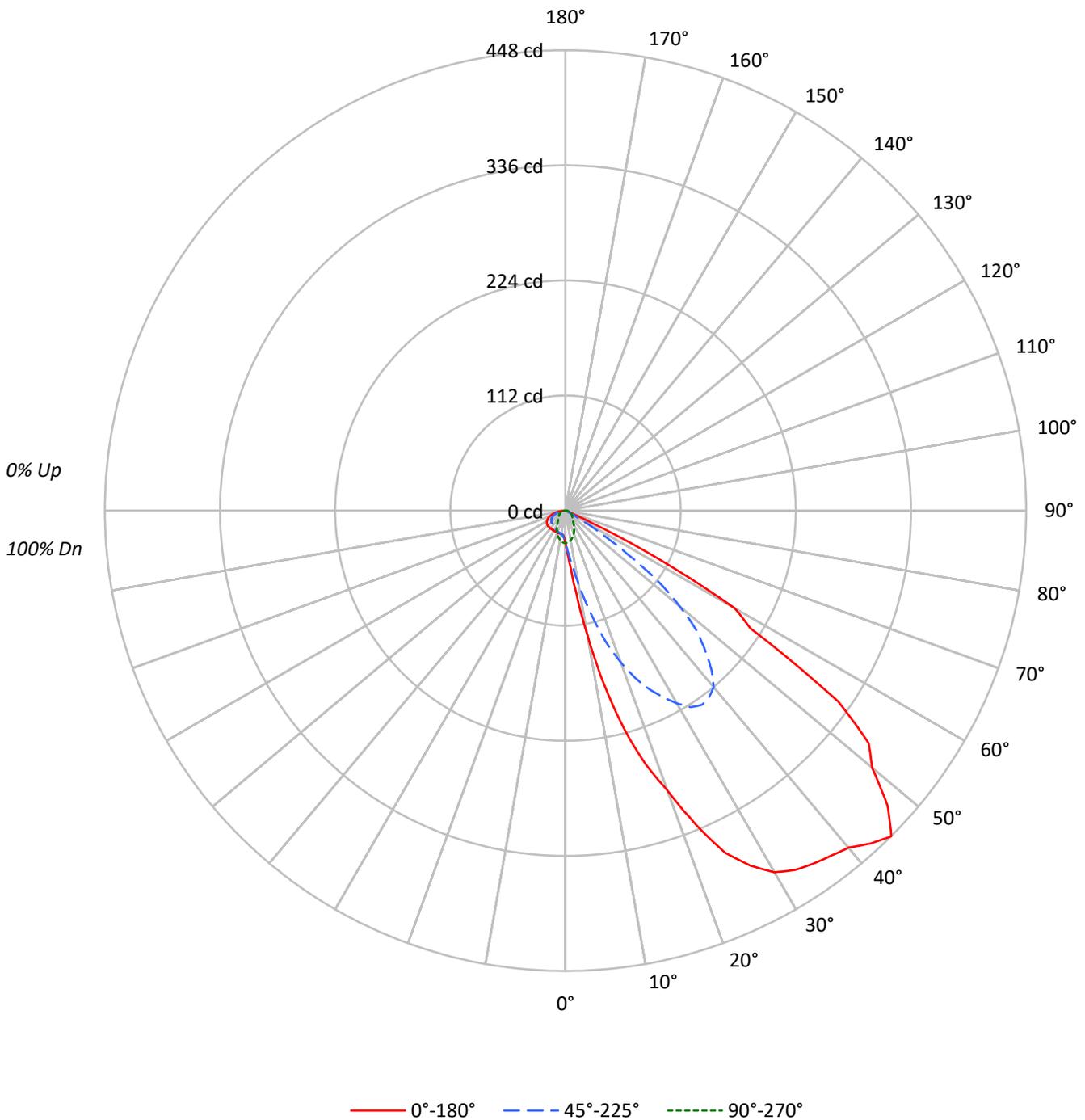
Test Method: LM-79-2019  
Report Number: P1323538  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-82)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R659030D2WDE010 3LSQCA45R 1MB  
Description: 3in Adjustable Dim to Warm LED luminaire with, R65 optic, 3000K CCT AND, 90CRI ,  
3LSQCA45R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 325.0 lumens  
Efficiency: N/A  
Efficacy: 45.1 lumens/watt  
Spacing Criteria (0/90/45): 3.28 / 0.89 / 2.04  
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

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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	110	106	102	99	108	104	100	97	100	97	94	96	94	91	92	90	89	89	89	89	87
2	101	93	87	82	98	92	86	81	88	83	79	85	81	77	82	79	76	76	76	76	74
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	64	64	64	62
4	84	73	64	58	82	71	63	57	69	62	57	67	61	56	64	59	55	55	55	55	53
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	47	45
6	71	57	49	42	69	57	48	42	55	47	42	53	46	41	51	46	41	41	41	41	39
7	65	52	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	36	36	36	34
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	31	31	31	29
9	56	42	34	28	54	41	33	28	40	33	28	39	33	28	38	32	28	28	28	28	26
10	52	38	30	25	50	38	30	25	37	30	25	36	29	25	35	29	24	24	24	24	23

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

	0°	45°	90°	135°	180°
0°	5442	5442	5442	5442	5442
5°	9526	7780	5359	4339	4166
10°	21545	12539	5124	3987	4040
15°	39154	20166	4761	4012	4119
20°	53095	28793	4307	3995	4179
25°	69797	36352	3782	3896	4276
30°	80819	43094	3242	3898	4474
35°	88240	48567	2733	3974	4731
40°	96268	50405	2428	4182	5058
45°	109139	46739	2314	4433	5480
50°	104252	39038	2277	4716	6028
55°	97164	21919	2342	5074	6666
60°	65445	4719	2342	5373	7199
65°	10106	1182	2241	5583	7824
70°	1158	1158	2115	5740	8359
75°	1065	1065	1930	5656	8451
80°	992	1289	1984	5157	8430
85°	593	1383	1976	5138	7707

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 109139 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.8	1.2
10°-20°	20.7	6.4
20°-30°	48.6	14.9
30°-40°	73.4	22.6
40°-50°	84.3	25.9
50°-60°	66.9	20.6
60°-70°	20.1	6.2
70°-80°	5.5	1.7
80°-90°	1.8	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°	73.0	22.5
0°-40°	146.4	45.0
0°-60°	297.7	91.6
0°-90°	325.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	325.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	32	32	32	32	32	
5°	55	45	31	25	24	7
15°	220	113	27	22	23	63
25°	367	191	20	20	22	168
35°	420	231	13	19	22	263
45°	448	192	10	18	22	333
55°	324	73	8	17	22	267
65°	25	3	6	14	19	56
75°	2	2	3	8	13	2
85°	0	1	1	3	4	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	45°	67.5°	90°	112.5°	135°
0°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
2.5°	40.1	40.4	40.1	40.1	39.8	39.4	37.1	34.5	31.6	29.3	27.7
5°	55.1	55.4	54.4	54.4	53.8	52.8	45.0	37.5	31.0	27.4	25.1
7.5°	81.5	82.8	81.1	79.2	75.6	74.9	56.0	40.4	30.3	25.4	23.5
10°	123.2	122.2	120.6	116.7	110.5	107.5	71.7	43.3	29.3	24.1	22.8
12.5°	173.7	171.1	169.1	162.0	153.5	148.6	91.2	45.9	28.0	22.8	22.5
15°	219.6	217.7	213.1	206.3	195.8	191.9	113.1	47.6	26.7	21.8	22.5
17.5°	258.4	256.5	253.8	247.0	236.3	230.4	137.5	48.6	25.1	21.2	22.2
20°	289.7	288.4	284.8	279.3	268.5	263.0	157.1	48.6	23.5	20.5	21.8
22.5°	330.1	327.2	322.6	314.5	301.1	292.6	175.6	47.6	21.8	19.9	21.2
25°	367.3	365.3	359.4	349.7	335.3	326.8	191.3	45.6	19.9	18.9	20.5
27.5°	389.4	388.1	382.6	372.5	356.5	350.0	204.3	42.7	17.9	17.9	20.2
30°	406.4	403.7	398.2	388.4	372.1	364.3	216.7	39.1	16.3	16.9	19.6
32.5°	414.8	413.8	409.0	400.5	384.5	375.7	226.8	34.5	14.3	16.3	19.2
35°	419.7	418.7	414.8	406.7	391.7	383.2	231.0	30.3	13.0	15.6	18.9
37.5°	423.6	422.6	417.8	409.6	394.6	385.8	229.1	25.7	11.7	15.0	18.6
40°	428.2	424.6	417.1	409.0	395.3	386.8	224.2	21.5	10.8	14.7	18.6
42.5°	439.3	426.9	415.2	407.7	394.6	384.8	210.2	16.9	9.8	14.0	18.2
45°	448.1	426.2	411.2	405.4	392.0	380.9	191.9	12.4	9.5	13.7	18.2
47.5°	424.9	411.6	404.7	401.5	387.1	375.1	173.0	8.5	9.1	13.4	17.9
50°	389.1	387.5	384.8	385.2	372.1	362.4	145.7	5.9	8.5	13.0	17.6
52.5°	371.8	369.9	365.3	362.0	349.0	340.5	115.4	4.6	8.1	12.7	17.3
55°	323.6	324.9	320.0	322.0	318.0	313.8	73.0	4.2	7.8	12.1	16.9
57.5°	213.1	219.6	231.0	244.7	257.1	265.6	39.4	4.2	7.2	11.7	16.3
60°	190.0	188.4	188.0	190.6	196.2	200.7	13.7	3.9	6.8	10.8	15.6
62.5°	104.0	103.3	113.1	129.7	139.5	140.4	3.9	3.9	6.2	10.1	14.7
65°	24.8	25.7	28.7	35.8	42.4	46.6	2.9	3.6	5.5	9.5	13.7
67.5°	3.9	4.2	4.2	5.2	5.9	5.9	2.6	3.3	4.9	8.5	12.7
70°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9	4.2	7.5	11.4
72.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.3	2.6	3.6	6.5	9.8
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.3	2.9	5.2	8.5
77.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.6	2.0	2.6	4.2	6.8
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.3	1.6	2.0	3.3	5.2
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.3	1.6	2.6	3.9
85°	0.3	0.3	0.3	0.3	0.7	0.7	0.7	1.0	1.0	1.6	2.6
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7	0.7	1.0	1.3
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):**

	157.5°	180°
0°	31.6	31.6
2.5°	26.7	26.4
5°	24.1	24.1
7.5°	23.1	23.1
10°	22.8	23.1
12.5°	22.8	23.1
15°	22.8	23.1
17.5°	22.8	23.1
20°	22.5	22.8
22.5°	22.2	22.5
25°	21.8	22.5
27.5°	21.5	22.5
30°	21.5	22.5
32.5°	21.5	22.5
35°	21.2	22.5
37.5°	21.2	22.5
40°	21.2	22.5
42.5°	21.2	22.5
45°	21.2	22.5
47.5°	21.2	22.5
50°	21.2	22.5
52.5°	20.9	22.5
55°	20.9	22.2
57.5°	20.2	21.5
60°	19.6	20.9
62.5°	18.9	20.2
65°	17.9	19.2
67.5°	16.9	17.9
70°	15.3	16.6
72.5°	13.7	14.7
75°	11.7	12.7
77.5°	9.8	10.8
80°	7.8	8.5
82.5°	5.5	6.2
85°	3.6	3.9
87.5°	1.6	1.6
90°	0.0	0.0

(END OF REPORT)