

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: P1327009

Luminaire Tested: LDSQA3D09R55W2N902765DE010 3LSQCA45R 1MB\_3000K

Issue Date: 1/29/2026

**Test Information**

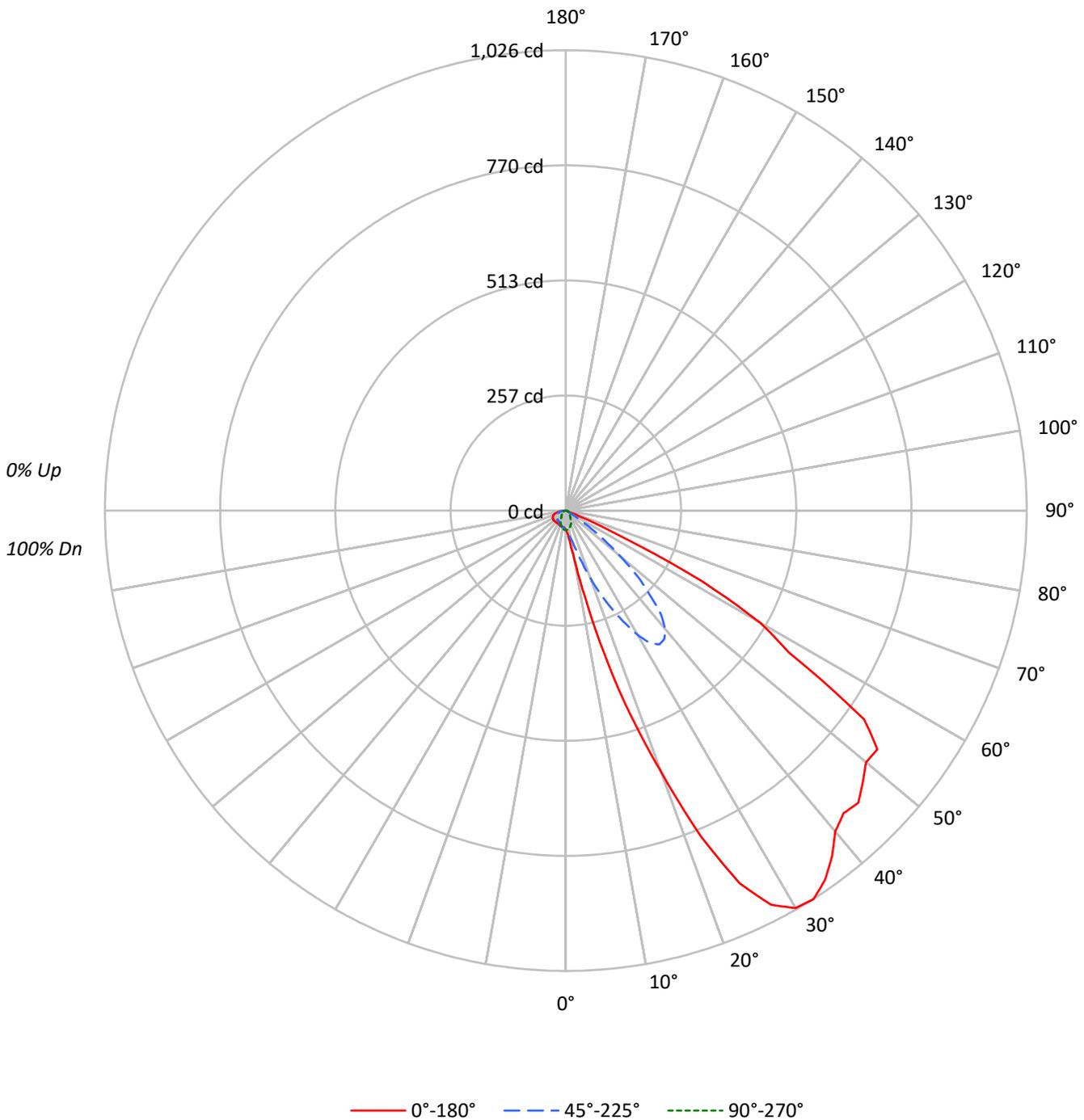
Test Method: LM-79-2019  
Report Number: P1327009  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-80)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R55W2N902765DE010 3LSQCA45R 1MB\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,  
3LSQCA45R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 660.0 lumens  
Efficiency: N/A  
Efficacy: 73.3 lumens/watt  
Spacing Criteria (0/90/45): 3.76 / 0.9 / 1.95  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 9  
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
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	95	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	67	77	71	65	74	69	64	72	67	63	61		
4	83	71	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	51		
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43		
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37		
7	64	50	41	35	62	49	41	35	48	40	34	46	39	34	45	38	34	32		
8	59	45	36	30	57	44	36	30	43	35	30	41	35	29	40	34	29	27		
9	54	40	32	26	53	40	32	26	39	31	26	38	31	26	36	30	26	24		
10	50	37	28	23	49	36	28	23	35	28	23	34	27	23	33	27	23	21		

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

	0°	45°	90°	135°	180°
0°	7337	7337	7337	7337	7337
5°	9370	8575	7365	6863	6656
10°	19062	10912	7135	6523	6523
15°	58535	16742	6651	6347	6544
20°	113191	29287	5993	6195	6525
25°	174197	45549	5207	5986	6537
30°	203400	63657	4295	5906	6722
35°	211359	76508	3553	5887	6980
40°	209758	77226	3282	6160	7599
45°	224270	63910	3118	6674	8232
50°	233743	42199	3135	7181	9217
55°	243392	18376	3153	7867	10149
60°	171947	4202	3203	8646	11436
65°	56074	1426	3097	9251	12837
70°	1762	1460	3223	9970	14704
75°	1530	1530	2728	10447	16303
80°	1190	1686	2876	10414	17356
85°	1186	2371	3359	10275	17191

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 52.5°  
 Luminance: 247289 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.5	0.7
10°-20°	28.0	4.2
20°-30°	93.9	14.2
30°-40°	154.3	23.4
40°-50°	172.1	26.1
50°-60°	144.8	21.9
60°-70°	49.1	7.4
70°-80°	9.6	1.5
80°-90°	3.6	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°	126.5	19.2
0°-40°	280.7	42.5
0°-60°	597.7	90.6
0°-90°	660.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	660.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	43	43	43	43	43	
5°	54	50	43	40	38	7
15°	328	94	37	36	37	104
25°	917	240	27	32	34	412
35°	1005	364	17	28	33	624
45°	921	262	13	27	34	703
55°	811	61	10	26	34	660
65°	138	4	8	23	32	186
75°	2	2	4	16	24	2
85°	1	1	2	5	9	1
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°	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
2.5°	46.7	46.7	46.7	46.7	46.7	46.7	46.1	44.3	43.2	41.4	40.8
5°	54.2	54.2	54.2	53.6	53.6	52.5	49.6	45.5	42.6	40.2	39.7
7.5°	70.0	69.4	68.2	67.6	65.9	65.3	54.8	46.7	42.0	39.1	38.5
10°	109.0	107.9	106.1	99.7	93.9	89.8	62.4	47.2	40.8	37.9	37.3
12.5°	196.5	194.2	185.4	172.0	155.7	147.5	74.6	47.8	39.1	36.7	36.7
15°	328.3	325.4	309.1	290.4	260.7	244.3	93.9	47.2	37.3	35.0	35.6
17.5°	474.1	465.9	449.0	424.5	384.3	365.1	122.5	46.1	35.0	33.8	35.0
20°	617.6	615.2	587.2	554.0	504.4	478.8	159.8	44.3	32.7	32.1	33.8
22.5°	785.5	775.6	745.8	710.3	642.0	608.2	200.0	42.0	30.3	30.3	32.7
25°	916.7	905.0	881.7	840.3	775.6	739.4	239.7	39.1	27.4	28.6	31.5
27.5°	990.2	976.8	959.3	923.7	873.6	841.5	279.3	35.6	24.5	26.8	30.3
30°	1022.8	1019.3	1006.5	980.3	934.2	905.6	320.1	31.5	21.6	25.1	29.7
32.5°	1026.3	1028.1	1022.8	1005.9	970.9	946.5	350.5	28.0	19.2	23.9	28.6
35°	1005.3	1011.8	1015.3	1008.3	985.5	965.7	363.9	23.9	16.9	22.7	28.0
37.5°	972.7	984.4	996.0	997.8	983.8	970.9	360.4	20.4	15.7	22.2	28.0
40°	933.0	943.5	967.4	982.6	977.9	968.6	343.5	16.9	14.6	21.0	27.4
42.5°	915.0	917.3	943.0	968.6	967.4	959.9	313.7	13.4	13.4	21.0	27.4
45°	920.8	910.3	927.2	956.9	955.2	945.3	262.4	10.5	12.8	20.4	27.4
47.5°	896.3	881.7	910.3	945.3	938.9	924.3	216.9	7.6	12.2	19.8	26.8
50°	872.4	870.1	892.2	909.7	901.0	892.8	157.5	5.8	11.7	19.2	26.8
52.5°	874.1	870.1	872.4	871.8	854.3	845.6	107.9	4.7	11.1	18.7	26.8
55°	810.6	797.7	785.5	789.0	790.2	784.3	61.2	4.1	10.5	18.7	26.2
57.5°	589.0	585.5	598.9	636.8	666.5	670.0	29.7	4.1	9.9	18.1	25.7
60°	499.2	496.8	497.4	508.5	524.3	514.3	12.2	4.1	9.3	17.5	25.1
62.5°	344.1	366.8	376.1	401.8	391.3	377.3	4.7	4.7	8.7	16.3	24.5
65°	137.6	137.0	149.9	162.1	158.6	148.1	3.5	4.1	7.6	15.2	22.7
67.5°	32.1	29.2	25.1	21.6	18.1	14.6	3.5	4.1	7.0	14.0	21.6
70°	3.5	3.5	3.5	3.5	3.5	2.9	2.9	4.1	6.4	12.8	19.8
72.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.5	5.2	11.1	18.1
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9	4.1	9.3	15.7
77.5°	1.7	1.7	1.7	2.3	1.7	2.3	2.3	2.9	3.5	7.6	13.4
80°	1.2	1.2	1.7	1.7	1.7	1.7	1.7	2.3	2.9	6.4	10.5
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.7	1.7	2.3	4.7	7.6
85°	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.7	1.7	3.5	5.2
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.7	1.7	2.3
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°	42.6	42.6
2.5°	40.2	40.2
5°	39.1	38.5
7.5°	37.9	37.9
10°	37.3	37.3
12.5°	36.7	37.3
15°	36.7	36.7
17.5°	35.6	36.2
20°	35.0	35.6
22.5°	34.4	35.0
25°	33.8	34.4
27.5°	33.2	33.8
30°	32.7	33.8
32.5°	32.1	33.2
35°	32.1	33.2
37.5°	32.1	33.8
40°	32.1	33.8
42.5°	32.1	33.8
45°	32.1	33.8
47.5°	32.1	33.8
50°	32.1	34.4
52.5°	32.1	34.4
55°	32.1	33.8
57.5°	31.5	33.8
60°	31.5	33.2
62.5°	30.9	32.7
65°	29.7	31.5
67.5°	28.6	30.9
70°	26.8	29.2
72.5°	25.1	26.8
75°	22.7	24.5
77.5°	19.8	21.0
80°	15.7	17.5
82.5°	12.2	13.4
85°	8.2	8.7
87.5°	3.5	4.1
90°	0.0	0.0

(END OF REPORT)