

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: P1308047

Luminaire Tested: LDSQA3D09R709027DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308047  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R709027DE010 3LSQCLSWWR 1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCLSWWR 1MB TRI  
Light Source: -  
Ballast/Driver: -

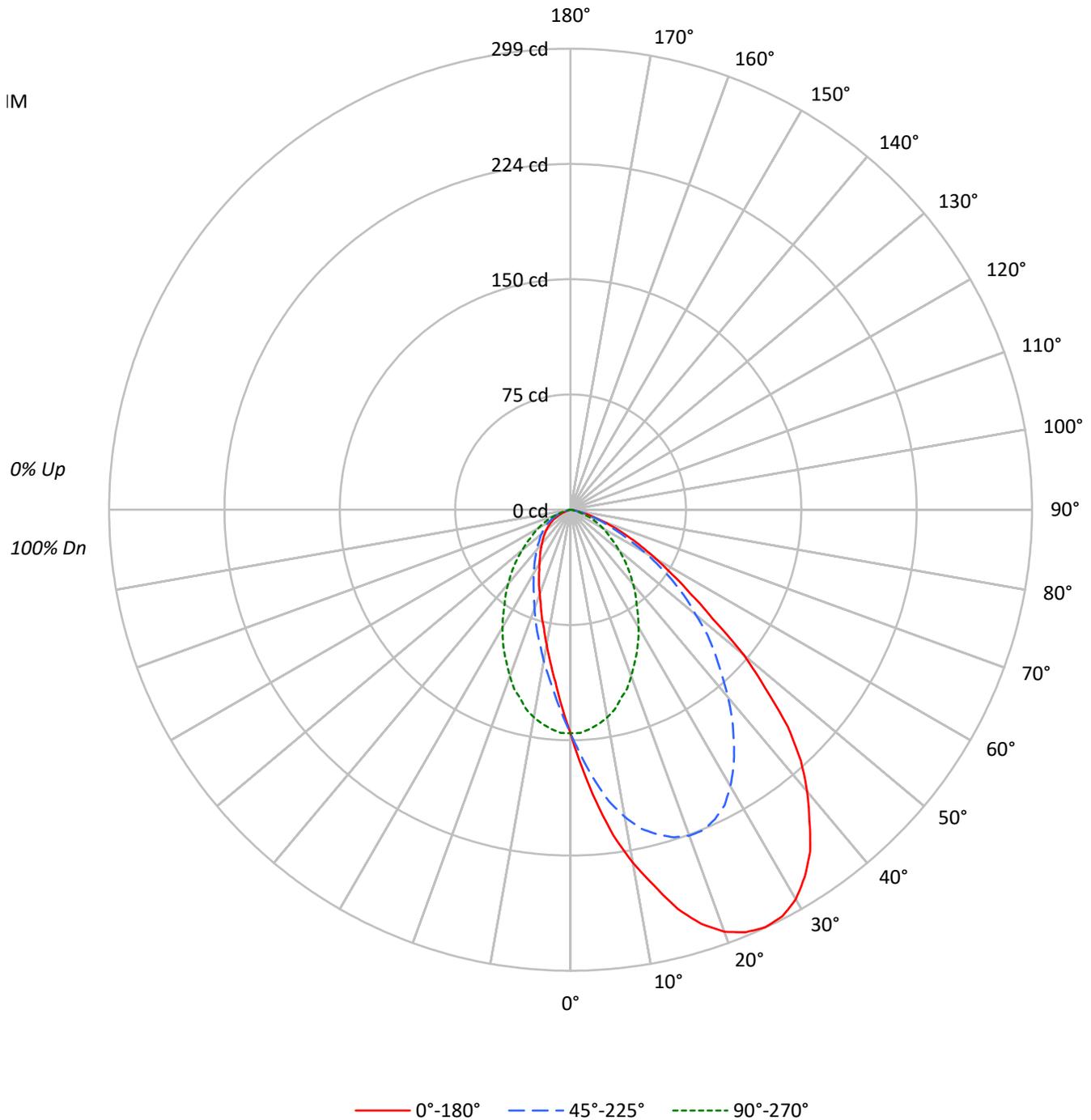
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 325.0 lumens  
Efficiency: N/A  
Efficacy: 29.3 lumens/watt  
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	102	100	
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	90	89	
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	77	
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	69	67	
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	61	59	
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	54	52	
6	75	63	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	48	46	
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	43	42	
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	39	38	
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	36	34	
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	33	31	

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

	0°	45°	90°	135°	180°
0°	24955	24955	24955	24955	24955
5°	32847	30375	24687	20677	19380
10°	40642	35378	23906	17453	15547
15°	47766	38869	22537	14745	12802
20°	53370	41219	21040	12518	10648
25°	56761	42072	19345	10775	9216
30°	58029	41185	17540	9386	8014
35°	56913	38790	15663	8473	7190
40°	53620	35657	14141	7689	6452
45°	48444	32296	12641	6990	5992
50°	39198	28374	10985	6591	5493
55°	28525	24411	9428	6155	4924
60°	22113	19289	8473	5649	4478
65°	16708	13937	6968	5012	3342
70°	11682	9970	5187	3777	2065
75°	6854	5922	2728	1797	466
80°	1389	2083	694	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 48444 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.2	4.4
10°-20°	42.2	13.0
20°-30°	63.7	19.6
30°-40°	70.8	21.8
40°-50°	62.7	19.3
50°-60°	42.6	13.1
60°-70°	22.3	6.9
70°-80°	6.4	2.0
80°-90°	0.2	0.1
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°	120.1	36.9
0°-40°	190.8	58.7
0°-60°	296.1	91.1
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°	145	145	145	145	145	
5°	190	176	143	120	112	19
15°	268	218	126	83	72	76
25°	299	221	102	57	48	137
35°	271	184	74	40	34	168
45°	199	133	52	29	25	151
55°	95	81	31	20	16	88
65°	41	34	17	12	8	41
75°	10	9	4	3	1	11
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9
2.5°	166.8	166.1	165.4	165.4	164.7	164.0	162.7	162.7	161.3	159.9	158.6
5°	190.0	190.0	190.0	188.0	188.0	185.2	183.9	181.1	178.4	175.7	172.2
7.5°	213.2	213.2	211.2	210.5	208.5	205.7	203.7	199.6	194.8	190.7	185.2
10°	232.4	232.4	230.3	229.0	224.9	222.1	218.0	213.2	208.5	202.3	195.5
12.5°	249.5	250.2	247.4	244.7	240.6	236.5	231.0	224.9	218.7	211.9	203.0
15°	267.9	267.2	263.8	260.4	255.6	249.5	242.6	234.4	226.2	218.0	208.5
17.5°	281.6	280.9	277.5	273.4	267.2	259.7	252.2	242.6	233.1	222.8	211.2
20°	291.2	290.5	287.1	281.6	275.4	267.2	258.4	247.4	237.2	224.9	211.9
22.5°	296.6	295.9	291.8	287.1	279.5	270.7	261.1	249.5	237.8	224.9	210.5
25°	298.7	297.3	293.2	287.7	280.2	270.7	259.7	247.4	235.1	221.4	206.4
27.5°	297.3	295.9	291.2	285.0	276.8	265.9	254.9	242.6	229.6	216.0	200.3
30°	291.8	289.8	285.7	279.5	270.7	259.7	248.1	235.1	221.4	207.1	191.4
32.5°	282.3	280.9	276.8	270.0	261.1	250.2	238.5	224.9	211.2	196.8	181.1
35°	270.7	267.9	263.8	257.7	248.8	237.8	226.2	211.9	198.9	184.5	169.5
37.5°	254.3	253.6	248.8	244.0	235.1	223.5	212.6	198.9	185.9	172.2	157.2
40°	238.5	237.2	233.1	227.6	218.7	208.5	196.8	184.5	171.6	158.6	144.9
42.5°	220.8	218.7	216.0	210.5	202.3	192.1	181.1	168.8	157.2	144.9	132.6
45°	198.9	198.2	194.8	192.1	184.5	175.7	164.7	153.8	142.2	132.6	123.0
47.5°	170.9	170.2	169.5	167.5	163.3	157.2	149.0	138.7	129.9	120.3	107.3
50°	146.3	145.6	144.2	143.5	140.1	136.7	130.5	124.4	116.9	105.9	95.7
52.5°	116.2	116.9	118.9	119.6	118.9	116.2	113.5	111.4	101.2	94.3	84.8
55°	95.0	95.0	94.3	95.0	95.7	97.1	97.1	94.3	87.5	81.3	73.1
57.5°	77.9	77.9	77.9	77.9	77.9	78.6	78.6	77.9	74.5	68.3	60.8
60°	64.2	63.6	63.6	64.2	63.6	63.6	64.2	64.2	60.8	56.0	49.2
62.5°	51.9	51.9	51.9	51.3	51.3	51.9	51.9	51.3	48.5	43.7	39.0
65°	41.0	41.0	41.0	41.0	41.0	41.7	41.0	40.3	37.6	34.2	30.8
67.5°	31.4	31.4	32.1	31.4	32.1	32.1	32.1	30.8	28.7	26.0	23.9
70°	23.2	23.2	23.2	23.9	24.6	24.6	23.9	22.6	21.2	19.8	17.8
72.5°	15.7	16.4	16.4	16.4	17.1	17.1	16.4	15.7	15.0	13.7	13.0
75°	10.3	9.6	10.3	10.3	10.9	10.9	10.3	10.3	9.6	8.9	8.2
77.5°	4.8	4.8	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.8	4.8
80°	1.4	1.4	1.4	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
82.5°	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	144.9	144.9	144.9	144.9	144.9	144.9	144.9	144.9
2.5°	157.2	155.1	152.4	144.9	138.1	131.9	128.5	127.8
5°	168.1	165.4	158.6	142.8	129.9	119.6	113.5	112.1
7.5°	179.8	174.3	164.7	140.1	121.7	108.7	101.8	99.8
10°	188.6	181.8	168.8	136.7	113.5	99.8	91.6	88.9
12.5°	194.8	186.6	172.2	132.6	106.6	90.2	82.0	79.3
15°	198.2	189.3	172.9	126.4	98.4	82.7	73.8	71.8
17.5°	199.6	189.3	171.6	121.7	90.9	75.2	67.0	64.2
20°	198.9	186.6	168.1	114.8	84.1	68.3	60.1	58.1
22.5°	196.2	182.5	162.7	108.0	77.2	61.5	54.7	53.3
25°	192.1	177.0	156.5	101.8	71.1	56.7	49.9	48.5
27.5°	185.2	170.2	148.3	95.0	65.6	51.9	45.8	43.7
30°	176.3	162.0	140.1	88.2	60.1	47.2	41.7	40.3
32.5°	166.8	152.4	131.9	81.3	55.4	43.7	38.3	36.9
35°	155.8	142.2	121.7	74.5	50.6	40.3	34.9	34.2
37.5°	144.9	131.2	112.8	69.0	46.5	36.9	32.1	31.4
40°	132.6	121.7	108.0	62.9	43.1	34.2	30.1	28.7
42.5°	125.1	110.0	93.0	57.4	39.6	31.4	27.3	26.7
45°	108.7	97.7	84.1	51.9	36.2	28.7	25.3	24.6
47.5°	97.7	88.2	75.2	46.5	33.5	26.7	23.2	22.6
50°	86.8	77.9	65.6	41.0	30.8	24.6	21.2	20.5
52.5°	75.9	67.0	56.0	36.2	27.3	22.6	19.1	18.5
55°	64.9	56.7	46.5	31.4	24.6	20.5	17.8	16.4
57.5°	53.3	46.5	39.6	28.0	21.9	18.5	15.7	14.4
60°	43.1	39.0	33.5	24.6	19.1	16.4	13.7	13.0
62.5°	34.9	31.4	28.0	21.2	17.1	14.4	12.3	10.3
65°	28.0	26.0	23.2	17.1	14.4	12.3	10.3	8.2
67.5°	21.9	20.5	18.5	14.4	11.6	10.3	7.5	6.2
70°	17.1	15.7	14.4	10.3	8.9	7.5	5.5	4.1
72.5°	12.3	10.9	10.3	7.5	6.2	5.5	3.4	2.1
75°	7.5	7.5	6.2	4.1	3.4	2.7	1.4	0.7
77.5°	4.1	4.1	3.4	2.1	2.1	0.7	0.0	0.0
80°	2.1	1.4	1.4	0.7	0.7	0.0	0.0	0.0
82.5°	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)