

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: P1307075

Luminaire Tested: LDSQA3D09R709024DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307075  
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: LDSQA3D09R709024DE010 3LSQCLSWWR 1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , 3LSQCLSWWR 1MB TRI  
Light Source: -  
Ballast/Driver: -

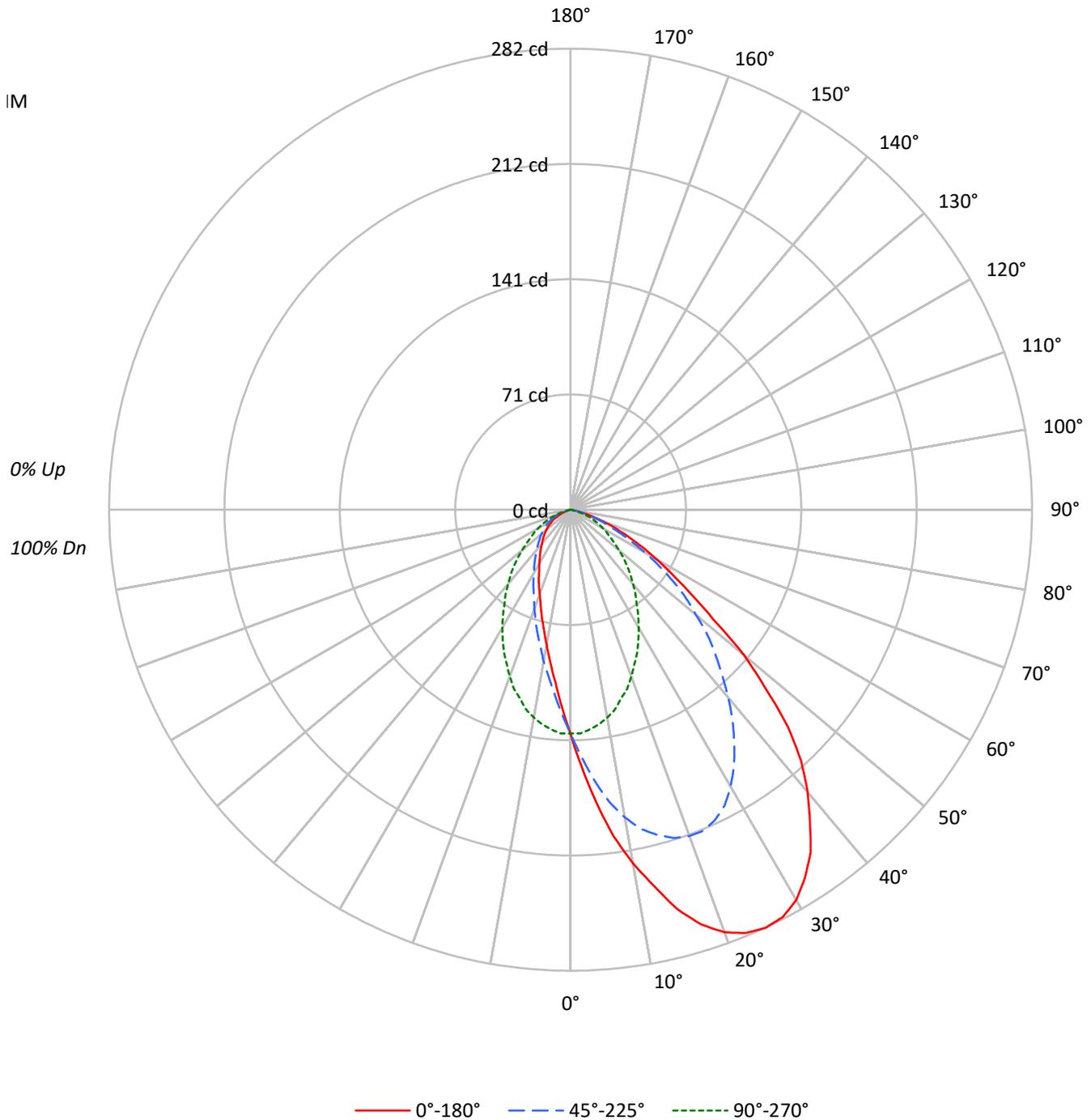
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 307.0 lumens  
Efficiency: N/A  
Efficacy: 27.7 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	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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	90	90	90	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	79	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	69	69	69	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	61	61	61	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	54	54	54	52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	48	48	48	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	43	43	43	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	39	39	39	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	36	36	36	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	33	33	33	31

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

	0°	45°	90°	135°	180°
0°	23577	23577	23577	23577	23577
5°	31032	28681	23322	19535	18308
10°	38386	33419	22577	16491	14672
15°	45127	36729	21289	13925	12089
20°	50401	38928	19885	11840	10062
25°	53607	39754	18281	10185	8703
30°	54827	38898	16566	8850	7577
35°	53760	36646	14801	8010	6791
40°	50652	33678	13354	7262	6093
45°	45765	30494	11959	6600	5651
50°	37028	26820	10369	6216	5198
55°	26933	23060	8918	5825	4654
60°	20908	18221	7991	5339	4237
65°	15771	13163	6561	4727	3138
70°	11078	9416	4884	3575	1964
75°	6455	5590	2595	1730	399
80°	1289	1884	595	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 45765 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.4	4.4
10°-20°	39.9	13.0
20°-30°	60.1	19.6
30°-40°	66.8	21.8
40°-50°	59.2	19.3
50°-60°	40.2	13.1
60°-70°	21.1	6.9
70°-80°	6.0	1.9
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°	113.4	36.9
0°-40°	180.3	58.7
0°-60°	279.7	91.1
0°-90°	307.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	307.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	137	137	137	137	137	
5°	180	166	135	113	106	18
15°	253	206	119	78	68	72
25°	282	209	96	54	46	129
35°	256	174	70	38	32	158
45°	188	125	49	27	23	142
55°	90	77	30	19	16	83
65°	39	32	16	12	8	39
75°	10	8	4	3	1	11
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9
2.5°	157.5	156.9	156.2	156.2	155.6	154.9	153.7	153.7	152.4	151.1	149.8
5°	179.5	179.5	179.5	177.5	177.5	175.0	173.7	171.1	168.5	165.9	162.7
7.5°	201.4	201.4	199.5	198.8	196.9	194.3	192.4	188.5	184.0	180.1	175.0
10°	219.5	219.5	217.6	216.3	212.4	209.8	206.0	201.4	196.9	191.1	184.6
12.5°	235.7	236.3	233.7	231.1	227.3	223.4	218.2	212.4	206.6	200.1	191.7
15°	253.1	252.4	249.2	246.0	241.5	235.7	229.2	221.4	213.7	206.0	196.9
17.5°	266.0	265.3	262.1	258.2	252.4	245.3	238.2	229.2	220.2	210.5	199.5
20°	275.0	274.4	271.2	266.0	260.2	252.4	244.0	233.7	224.0	212.4	200.1
22.5°	280.2	279.6	275.7	271.2	264.1	255.7	246.6	235.7	224.7	212.4	198.8
25°	282.1	280.8	277.0	271.8	264.7	255.7	245.3	233.7	222.1	209.2	195.0
27.5°	280.8	279.6	275.0	269.2	261.5	251.1	240.8	229.2	216.9	204.0	189.2
30°	275.7	273.7	269.9	264.1	255.7	245.3	234.4	222.1	209.2	195.6	180.8
32.5°	266.6	265.3	261.5	255.0	246.6	236.3	225.3	212.4	199.5	185.9	171.1
35°	255.7	253.1	249.2	243.4	235.0	224.7	213.7	200.1	187.9	174.3	160.1
37.5°	240.2	239.5	235.0	230.5	222.1	211.1	200.8	187.9	175.6	162.7	148.5
40°	225.3	224.0	220.2	215.0	206.6	196.9	185.9	174.3	162.0	149.8	136.9
42.5°	208.5	206.6	204.0	198.8	191.1	181.4	171.1	159.5	148.5	136.9	125.2
45°	187.9	187.2	184.0	181.4	174.3	165.9	155.6	145.3	134.3	125.2	116.2
47.5°	161.4	160.8	160.1	158.2	154.3	148.5	140.7	131.1	122.7	113.6	101.4
50°	138.2	137.5	136.2	135.6	132.4	129.1	123.3	117.5	110.4	100.1	90.4
52.5°	109.8	110.4	112.3	113.0	112.3	109.8	107.2	105.2	95.6	89.1	80.1
55°	89.7	89.7	89.1	89.7	90.4	91.7	91.7	89.1	82.6	76.8	69.1
57.5°	73.6	73.6	73.6	73.6	73.6	74.2	74.2	73.6	70.4	64.6	57.5
60°	60.7	60.0	60.0	60.7	60.0	60.0	60.7	60.7	57.5	52.9	46.5
62.5°	49.1	49.1	49.1	48.4	48.4	49.1	49.1	48.4	45.8	41.3	36.8
65°	38.7	38.7	38.7	38.7	38.7	39.4	38.7	38.1	35.5	32.3	29.1
67.5°	29.7	29.7	30.3	29.7	30.3	30.3	30.3	29.1	27.1	24.5	22.6
70°	22.0	22.0	22.0	22.6	23.2	23.2	22.6	21.3	20.0	18.7	16.8
72.5°	14.8	15.5	15.5	15.5	16.1	16.1	15.5	14.8	14.2	12.9	12.3
75°	9.7	9.0	9.7	9.7	10.3	10.3	9.7	9.7	9.0	8.4	7.7
77.5°	4.5	4.5	5.2	5.2	5.2	5.2	5.2	5.2	5.2	4.5	4.5
80°	1.3	1.3	1.3	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
82.5°	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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°	136.9	136.9	136.9	136.9	136.9	136.9	136.9	136.9
2.5°	148.5	146.6	144.0	136.9	130.4	124.6	121.4	120.7
5°	158.8	156.2	149.8	134.9	122.7	113.0	107.2	105.9
7.5°	169.8	164.6	155.6	132.4	114.9	102.7	96.2	94.3
10°	178.2	171.7	159.5	129.1	107.2	94.3	86.5	83.9
12.5°	184.0	176.3	162.7	125.2	100.7	85.2	77.5	74.9
15°	187.2	178.8	163.3	119.4	93.0	78.1	69.7	67.8
17.5°	188.5	178.8	162.0	114.9	85.9	71.0	63.3	60.7
20°	187.9	176.3	158.8	108.5	79.4	64.6	56.8	54.9
22.5°	185.3	172.4	153.7	102.0	73.0	58.1	51.6	50.4
25°	181.4	167.2	147.8	96.2	67.1	53.6	47.1	45.8
27.5°	175.0	160.8	140.1	89.7	62.0	49.1	43.3	41.3
30°	166.6	153.0	132.4	83.3	56.8	44.5	39.4	38.1
32.5°	157.5	144.0	124.6	76.8	52.3	41.3	36.2	34.9
35°	147.2	134.3	114.9	70.4	47.8	38.1	32.9	32.3
37.5°	136.9	124.0	106.5	65.2	43.9	34.9	30.3	29.7
40°	125.2	114.9	102.0	59.4	40.7	32.3	28.4	27.1
42.5°	118.1	103.9	87.8	54.2	37.4	29.7	25.8	25.2
45°	102.7	92.3	79.4	49.1	34.2	27.1	23.9	23.2
47.5°	92.3	83.3	71.0	43.9	31.6	25.2	22.0	21.3
50°	82.0	73.6	62.0	38.7	29.1	23.2	20.0	19.4
52.5°	71.7	63.3	52.9	34.2	25.8	21.3	18.1	17.4
55°	61.3	53.6	43.9	29.7	23.2	19.4	16.8	15.5
57.5°	50.4	43.9	37.4	26.5	20.7	17.4	14.8	13.6
60°	40.7	36.8	31.6	23.2	18.1	15.5	12.9	12.3
62.5°	32.9	29.7	26.5	20.0	16.1	13.6	11.6	9.7
65°	26.5	24.5	22.0	16.1	13.6	11.6	9.7	7.7
67.5°	20.7	19.4	17.4	13.6	11.0	9.7	7.1	5.8
70°	16.1	14.8	13.6	9.7	8.4	7.1	5.2	3.9
72.5°	11.6	10.3	9.7	7.1	5.8	5.2	3.2	1.9
75°	7.1	7.1	5.8	3.9	3.2	2.6	1.3	0.6
77.5°	3.9	3.9	3.2	1.9	1.9	0.6	0.0	0.0
80°	1.9	1.3	1.3	0.6	0.6	0.0	0.0	0.0
82.5°	0.6	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)