

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: P1318297

Luminaire Tested: LDSQA3D09R709830DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318297  
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: LDSQA3D09R709830DE010 3LSQCLSWWR 1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , 3LSQCLSWWR 1MB TRI  
Light Source: -  
Ballast/Driver: -

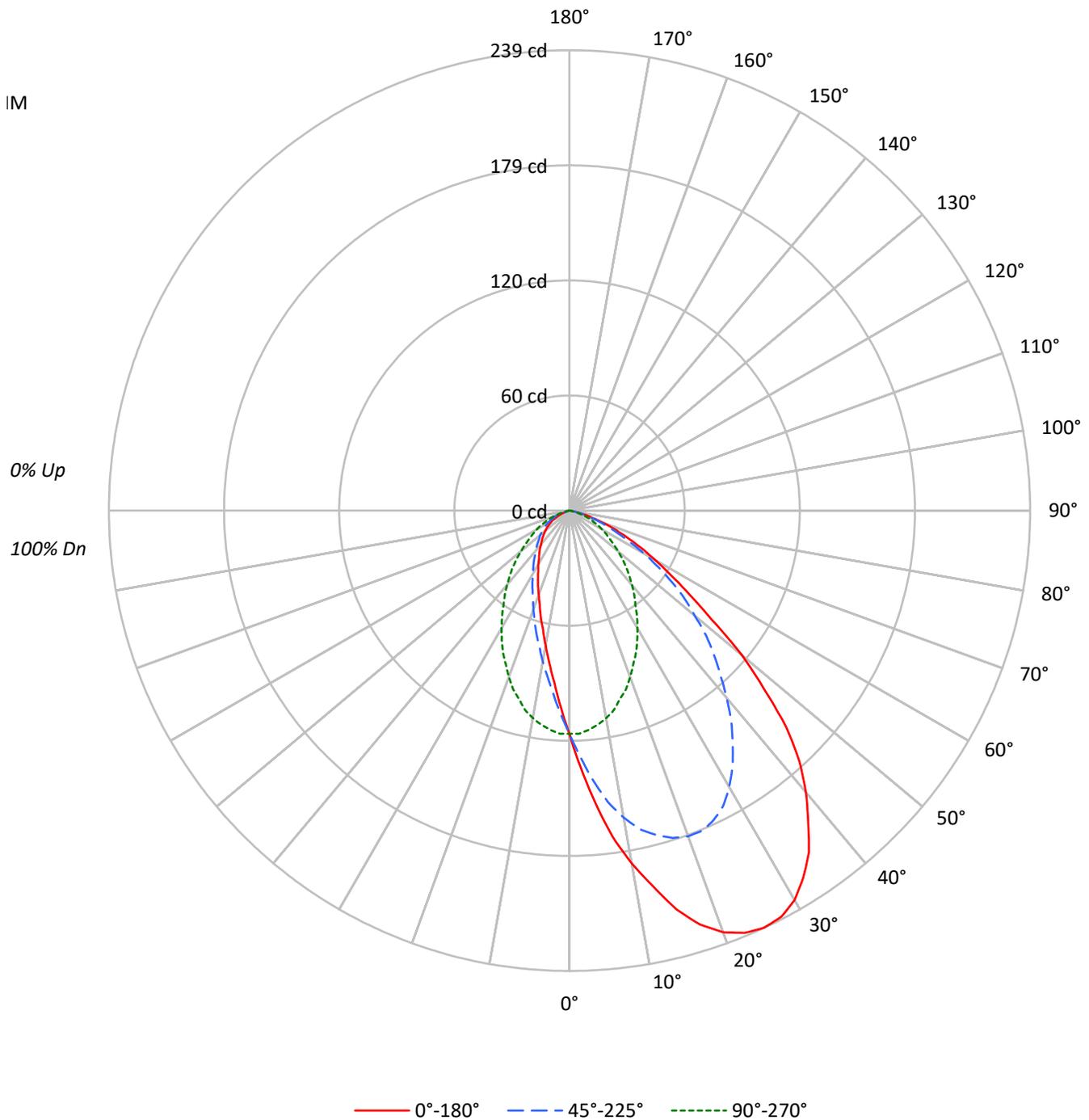
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 260.0 lumens  
Efficiency: N/A  
Efficacy: 23.6 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  
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				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°	19961	19961	19961	19961	19961
5°	26278	24290	19760	16545	15507
10°	32510	28295	19132	13955	12434
15°	38209	31095	18044	11803	10234
20°	42685	32971	16843	10025	8522
25°	45397	33673	15487	8627	7373
30°	46435	32952	14020	7497	6423
35°	45518	31032	12531	6791	5740
40°	42896	28530	11308	6138	5171
45°	38750	25842	10132	5602	4798
50°	31348	22721	8788	5278	4394
55°	22820	19547	7567	4924	3933
60°	17704	15431	6786	4512	3582
65°	13366	11125	5583	3994	2690
70°	9366	8006	4129	3021	1662
75°	5456	4724	2196	1464	333
80°	1091	1587	496	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 38750 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	11.3	4.4
10°-20°	33.8	13.0
20°-30°	50.9	19.6
30°-40°	56.6	21.8
40°-50°	50.2	19.3
50°-60°	34.1	13.1
60°-70°	17.9	6.9
70°-80°	5.1	1.9
80°-90°	0.1	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°	96.1	36.9
0°-40°	152.7	58.7
0°-60°	236.9	91.1
0°-90°	260.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	260.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	116	116	116	116	116	
5°	152	140	114	96	90	16
15°	214	174	101	66	57	61
25°	239	177	82	45	39	110
35°	216	148	60	32	27	134
45°	159	106	42	23	20	120
55°	76	65	25	16	13	70
65°	33	27	14	10	7	33
75°	8	7	3	2	0	9
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°	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9
2.5°	133.4	132.9	132.3	132.3	131.8	131.2	130.1	130.1	129.0	127.9	126.9
5°	152.0	152.0	152.0	150.4	150.4	148.2	147.1	144.9	142.7	140.5	137.8
7.5°	170.6	170.6	169.0	168.4	166.8	164.6	162.9	159.7	155.8	152.6	148.2
10°	185.9	185.9	184.3	183.2	179.9	177.7	174.4	170.6	166.8	161.8	156.4
12.5°	199.6	200.1	197.9	195.7	192.5	189.2	184.8	179.9	175.0	169.5	162.4
15°	214.3	213.8	211.1	208.3	204.5	199.6	194.1	187.5	181.0	174.4	166.8
17.5°	225.3	224.7	222.0	218.7	213.8	207.8	201.8	194.1	186.5	178.2	169.0
20°	232.9	232.4	229.6	225.3	220.4	213.8	206.7	197.9	189.7	179.9	169.5
22.5°	237.3	236.8	233.5	229.6	223.6	216.5	208.9	199.6	190.3	179.9	168.4
25°	238.9	237.8	234.6	230.2	224.2	216.5	207.8	197.9	188.1	177.2	165.1
27.5°	237.8	236.8	232.9	228.0	221.4	212.7	203.9	194.1	183.7	172.8	160.2
30°	233.5	231.8	228.6	223.6	216.5	207.8	198.5	188.1	177.2	165.7	153.1
32.5°	225.8	224.7	221.4	216.0	208.9	200.1	190.8	179.9	169.0	157.5	144.9
35°	216.5	214.3	211.1	206.1	199.0	190.3	181.0	169.5	159.1	147.6	135.6
37.5°	203.4	202.9	199.0	195.2	188.1	178.8	170.0	159.1	148.7	137.8	125.8
40°	190.8	189.7	186.5	182.1	175.0	166.8	157.5	147.6	137.2	126.9	115.9
42.5°	176.6	175.0	172.8	168.4	161.8	153.6	144.9	135.1	125.8	115.9	106.1
45°	159.1	158.6	155.8	153.6	147.6	140.5	131.8	123.0	113.7	106.1	98.4
47.5°	136.7	136.1	135.6	134.0	130.7	125.8	119.2	111.0	103.9	96.2	85.8
50°	117.0	116.5	115.4	114.8	112.1	109.4	104.4	99.5	93.5	84.8	76.5
52.5°	93.0	93.5	95.1	95.7	95.1	93.0	90.8	89.1	80.9	75.5	67.8
55°	76.0	76.0	75.5	76.0	76.5	77.6	77.6	75.5	70.0	65.1	58.5
57.5°	62.3	62.3	62.3	62.3	62.3	62.9	62.9	62.3	59.6	54.7	48.7
60°	51.4	50.9	50.9	51.4	50.9	50.9	51.4	51.4	48.7	44.8	39.4
62.5°	41.6	41.6	41.6	41.0	41.0	41.6	41.6	41.0	38.8	35.0	31.2
65°	32.8	32.8	32.8	32.8	32.8	33.4	32.8	32.3	30.1	27.3	24.6
67.5°	25.2	25.2	25.7	25.2	25.7	25.7	25.7	24.6	23.0	20.8	19.1
70°	18.6	18.6	18.6	19.1	19.7	19.7	19.1	18.0	17.0	15.9	14.2
72.5°	12.6	13.1	13.1	13.1	13.7	13.7	13.1	12.6	12.0	10.9	10.4
75°	8.2	7.7	8.2	8.2	8.7	8.7	8.2	8.2	7.7	7.1	6.6
77.5°	3.8	3.8	4.4	4.4	4.4	4.4	4.4	4.4	4.4	3.8	3.8
80°	1.1	1.1	1.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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°	115.9	115.9	115.9	115.9	115.9	115.9	115.9	115.9
2.5°	125.8	124.1	121.9	115.9	110.4	105.5	102.8	102.2
5°	134.5	132.3	126.9	114.3	103.9	95.7	90.8	89.7
7.5°	143.8	139.4	131.8	112.1	97.3	86.9	81.5	79.8
10°	150.9	145.4	135.1	109.4	90.8	79.8	73.3	71.1
12.5°	155.8	149.3	137.8	106.1	85.3	72.2	65.6	63.4
15°	158.6	151.5	138.3	101.2	78.7	66.2	59.1	57.4
17.5°	159.7	151.5	137.2	97.3	72.7	60.1	53.6	51.4
20°	159.1	149.3	134.5	91.9	67.3	54.7	48.1	46.5
22.5°	156.9	146.0	130.1	86.4	61.8	49.2	43.7	42.6
25°	153.6	141.6	125.2	81.5	56.9	45.4	39.9	38.8
27.5°	148.2	136.1	118.7	76.0	52.5	41.6	36.6	35.0
30°	141.1	129.6	112.1	70.5	48.1	37.7	33.4	32.3
32.5°	133.4	121.9	105.5	65.1	44.3	35.0	30.6	29.5
35°	124.7	113.7	97.3	59.6	40.5	32.3	27.9	27.3
37.5°	115.9	105.0	90.2	55.2	37.2	29.5	25.7	25.2
40°	106.1	97.3	86.4	50.3	34.4	27.3	24.1	23.0
42.5°	100.1	88.0	74.4	45.9	31.7	25.2	21.9	21.3
45°	86.9	78.2	67.3	41.6	29.0	23.0	20.2	19.7
47.5°	78.2	70.5	60.1	37.2	26.8	21.3	18.6	18.0
50°	69.4	62.3	52.5	32.8	24.6	19.7	17.0	16.4
52.5°	60.7	53.6	44.8	29.0	21.9	18.0	15.3	14.8
55°	51.9	45.4	37.2	25.2	19.7	16.4	14.2	13.1
57.5°	42.6	37.2	31.7	22.4	17.5	14.8	12.6	11.5
60°	34.4	31.2	26.8	19.7	15.3	13.1	10.9	10.4
62.5°	27.9	25.2	22.4	17.0	13.7	11.5	9.8	8.2
65°	22.4	20.8	18.6	13.7	11.5	9.8	8.2	6.6
67.5°	17.5	16.4	14.8	11.5	9.3	8.2	6.0	4.9
70°	13.7	12.6	11.5	8.2	7.1	6.0	4.4	3.3
72.5°	9.8	8.7	8.2	6.0	4.9	4.4	2.7	1.6
75°	6.0	6.0	4.9	3.3	2.7	2.2	1.1	0.5
77.5°	3.3	3.3	2.7	1.6	1.6	0.5	0.0	0.0
80°	1.6	1.1	1.1	0.5	0.5	0.0	0.0	0.0
82.5°	0.5	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)