

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: P1315854

Luminaire Tested: LDSQA3D17R709735DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315854  
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: LDSQA3D17R709735DE010 3LSQCLSWWR 1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , 3LSQCLSWWR 1MB TRI  
Light Source: -  
Ballast/Driver: -

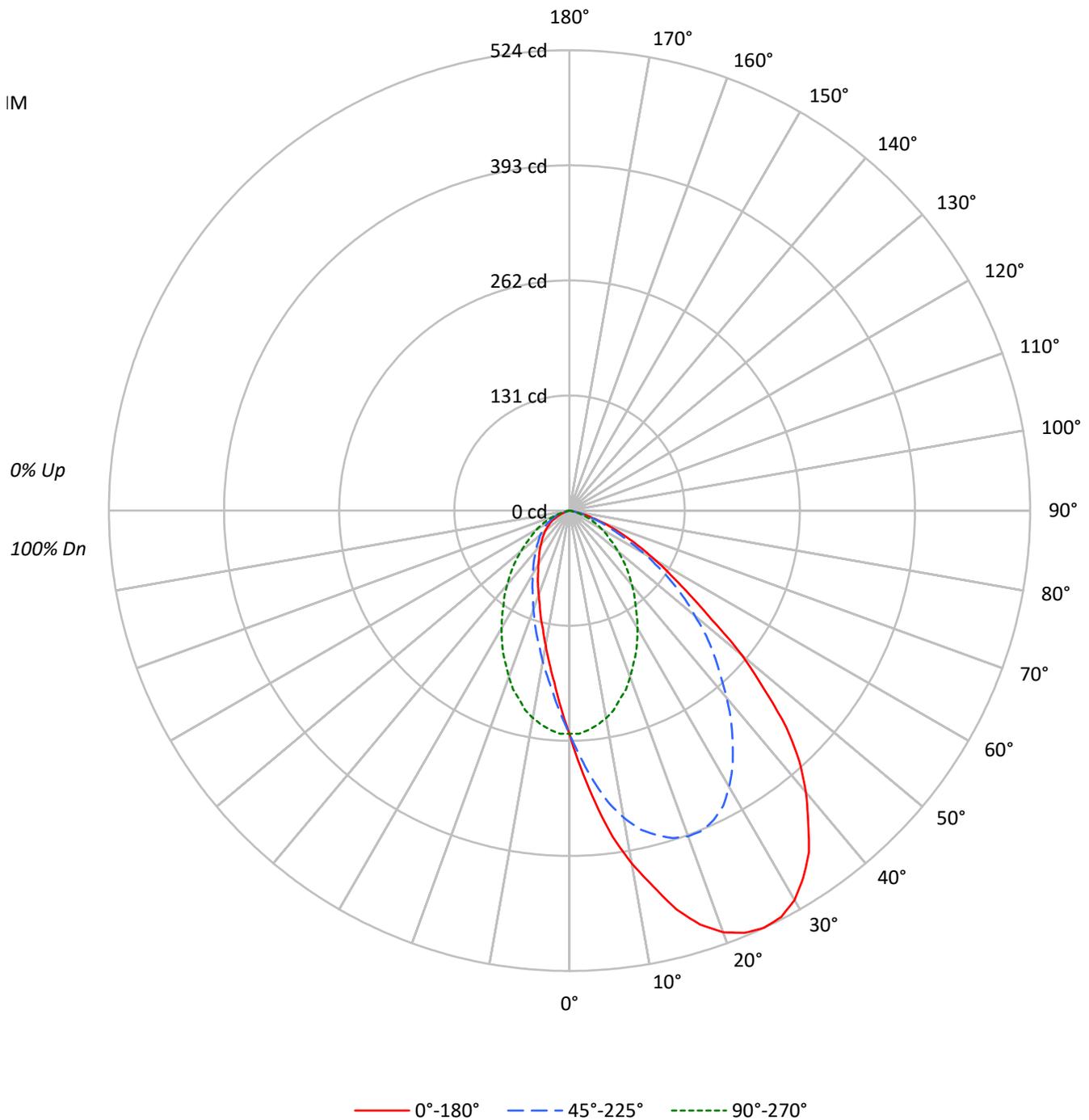
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 570.0 lumens  
Efficiency: N/A  
Efficacy: 26.9 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): 21.2  
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	63	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°	43762	43762	43762	43762	43762
5°	57604	53264	43307	36270	33988
10°	71281	62047	41919	30604	27246
15°	83782	68181	39546	25853	22448
20°	93580	72284	36912	21975	18676
25°	99536	73806	33939	18908	16171
30°	101779	72228	30745	16446	14060
35°	99803	68035	27479	14864	12594
40°	94042	62523	24798	13467	11308
45°	84954	56628	22188	12251	10522
50°	68724	49782	19264	11575	9646
55°	50023	42817	16544	10809	8648
60°	38819	33859	14880	9920	7853
65°	29300	24410	12225	8802	5868
70°	20545	17523	9064	6647	3626
75°	11978	10381	4791	3194	799
80°	2380	3570	1190	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 84954 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.8	4.4
10°-20°	74.1	13.0
20°-30°	111.7	19.6
30°-40°	124.1	21.8
40°-50°	110.0	19.3
50°-60°	74.7	13.1
60°-70°	39.2	6.9
70°-80°	11.1	2.0
80°-90°	0.3	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°	210.6	36.9
0°-40°	334.7	58.7
0°-60°	519.4	91.1
0°-90°	570.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	570.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	254	254	254	254	254	
5°	333	308	250	210	197	34
15°	470	382	222	145	126	133
25°	524	388	179	100	85	240
35°	475	324	131	71	60	294
45°	349	232	91	50	43	264
55°	167	143	55	36	29	154
65°	72	60	30	22	14	73
75°	18	16	7	5	1	20
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°	254.1	254.1	254.1	254.1	254.1	254.1	254.1	254.1	254.1	254.1	254.1
2.5°	292.5	291.3	290.1	290.1	288.9	287.7	285.3	285.3	282.9	280.5	278.1
5°	333.2	333.2	333.2	329.6	329.6	324.8	322.5	317.7	312.9	308.1	302.1
7.5°	374.0	374.0	370.4	369.2	365.6	360.8	357.2	350.0	341.6	334.4	324.8
10°	407.6	407.6	404.0	401.6	394.4	389.6	382.4	374.0	365.6	354.8	342.8
12.5°	437.5	438.7	433.9	429.1	421.9	414.8	405.2	394.4	383.6	371.6	356.0
15°	469.9	468.7	462.7	456.7	448.3	437.5	425.5	411.2	396.8	382.4	365.6
17.5°	493.9	492.7	486.7	479.5	468.7	455.5	442.3	425.5	408.8	390.8	370.4
20°	510.6	509.4	503.5	493.9	483.1	468.7	453.1	433.9	415.9	394.4	371.6
22.5°	520.2	519.0	511.8	503.5	490.3	474.7	457.9	437.5	417.1	394.4	369.2
25°	523.8	521.4	514.2	504.7	491.5	474.7	455.5	433.9	412.4	388.4	362.0
27.5°	521.4	519.0	510.6	499.9	485.5	466.3	447.1	425.5	402.8	378.8	351.2
30°	511.8	508.2	501.1	490.3	474.7	455.5	435.1	412.4	388.4	363.2	335.6
32.5°	495.1	492.7	485.5	473.5	457.9	438.7	418.3	394.4	370.4	345.2	317.7
35°	474.7	469.9	462.7	451.9	436.3	417.1	396.8	371.6	348.8	323.6	297.3
37.5°	445.9	444.7	436.3	427.9	412.4	392.0	372.8	348.8	326.0	302.1	275.7
40°	418.3	415.9	408.8	399.2	383.6	365.6	345.2	323.6	300.9	278.1	254.1
42.5°	387.2	383.6	378.8	369.2	354.8	336.8	317.7	296.1	275.7	254.1	232.5
45°	348.8	347.6	341.6	336.8	323.6	308.1	288.9	269.7	249.3	232.5	215.8
47.5°	299.7	298.5	297.3	293.7	286.5	275.7	261.3	243.3	227.8	211.0	188.2
50°	256.5	255.3	252.9	251.7	245.7	239.7	229.0	218.2	205.0	185.8	167.8
52.5°	203.8	205.0	208.6	209.8	208.6	203.8	199.0	195.4	177.4	165.4	148.6
55°	166.6	166.6	165.4	166.6	167.8	170.2	170.2	165.4	153.4	142.6	128.3
57.5°	136.7	136.7	136.7	136.7	136.7	137.9	137.9	136.7	130.7	119.9	106.7
60°	112.7	111.5	111.5	112.7	111.5	111.5	112.7	112.7	106.7	98.3	86.3
62.5°	91.1	91.1	91.1	89.9	89.9	91.1	91.1	89.9	85.1	76.7	68.3
65°	71.9	71.9	71.9	71.9	71.9	73.1	71.9	70.7	65.9	59.9	53.9
67.5°	55.1	55.1	56.3	55.1	56.3	56.3	56.3	53.9	50.3	45.6	42.0
70°	40.8	40.8	40.8	42.0	43.2	43.2	42.0	39.6	37.2	34.8	31.2
72.5°	27.6	28.8	28.8	28.8	30.0	30.0	28.8	27.6	26.4	24.0	22.8
75°	18.0	16.8	18.0	18.0	19.2	19.2	18.0	18.0	16.8	15.6	14.4
77.5°	8.4	8.4	9.6	9.6	9.6	9.6	9.6	9.6	9.6	8.4	8.4
80°	2.4	2.4	2.4	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
82.5°	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
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°	254.1	254.1	254.1	254.1	254.1	254.1	254.1	254.1
2.5°	275.7	272.1	267.3	254.1	242.1	231.3	225.4	224.2
5°	294.9	290.1	278.1	250.5	227.8	209.8	199.0	196.6
7.5°	315.3	305.7	288.9	245.7	213.4	190.6	178.6	175.0
10°	330.8	318.9	296.1	239.7	199.0	175.0	160.6	155.8
12.5°	341.6	327.2	302.1	232.5	187.0	158.2	143.8	139.0
15°	347.6	332.0	303.3	221.8	172.6	145.0	129.5	125.9
17.5°	350.0	332.0	300.9	213.4	159.4	131.9	117.5	112.7
20°	348.8	327.2	294.9	201.4	147.4	119.9	105.5	101.9
22.5°	344.0	320.1	285.3	189.4	135.5	107.9	95.9	93.5
25°	336.8	310.5	274.5	178.6	124.7	99.5	87.5	85.1
27.5°	324.8	298.5	260.1	166.6	115.1	91.1	80.3	76.7
30°	309.3	284.1	245.7	154.6	105.5	82.7	73.1	70.7
32.5°	292.5	267.3	231.3	142.6	97.1	76.7	67.1	64.7
35°	273.3	249.3	213.4	130.7	88.7	70.7	61.1	59.9
37.5°	254.1	230.2	197.8	121.1	81.5	64.7	56.3	55.1
40°	232.5	213.4	189.4	110.3	75.5	59.9	52.7	50.3
42.5°	219.4	193.0	163.0	100.7	69.5	55.1	47.9	46.7
45°	190.6	171.4	147.4	91.1	63.5	50.3	44.4	43.2
47.5°	171.4	154.6	131.9	81.5	58.7	46.7	40.8	39.6
50°	152.2	136.7	115.1	71.9	53.9	43.2	37.2	36.0
52.5°	133.1	117.5	98.3	63.5	47.9	39.6	33.6	32.4
55°	113.9	99.5	81.5	55.1	43.2	36.0	31.2	28.8
57.5°	93.5	81.5	69.5	49.1	38.4	32.4	27.6	25.2
60°	75.5	68.3	58.7	43.2	33.6	28.8	24.0	22.8
62.5°	61.1	55.1	49.1	37.2	30.0	25.2	21.6	18.0
65°	49.1	45.6	40.8	30.0	25.2	21.6	18.0	14.4
67.5°	38.4	36.0	32.4	25.2	20.4	18.0	13.2	10.8
70°	30.0	27.6	25.2	18.0	15.6	13.2	9.6	7.2
72.5°	21.6	19.2	18.0	13.2	10.8	9.6	6.0	3.6
75°	13.2	13.2	10.8	7.2	6.0	4.8	2.4	1.2
77.5°	7.2	7.2	6.0	3.6	3.6	1.2	0.0	0.0
80°	3.6	2.4	2.4	1.2	1.2	0.0	0.0	0.0
82.5°	1.2	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)