

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: P1309162

Luminaire Tested: LDSQA3D09R709030DE010 3LSQCLDWWR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309162  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R709030DE010 3LSQCLDWWR1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCLDWWR1MB TRI  
Light Source: -  
Ballast/Driver: -

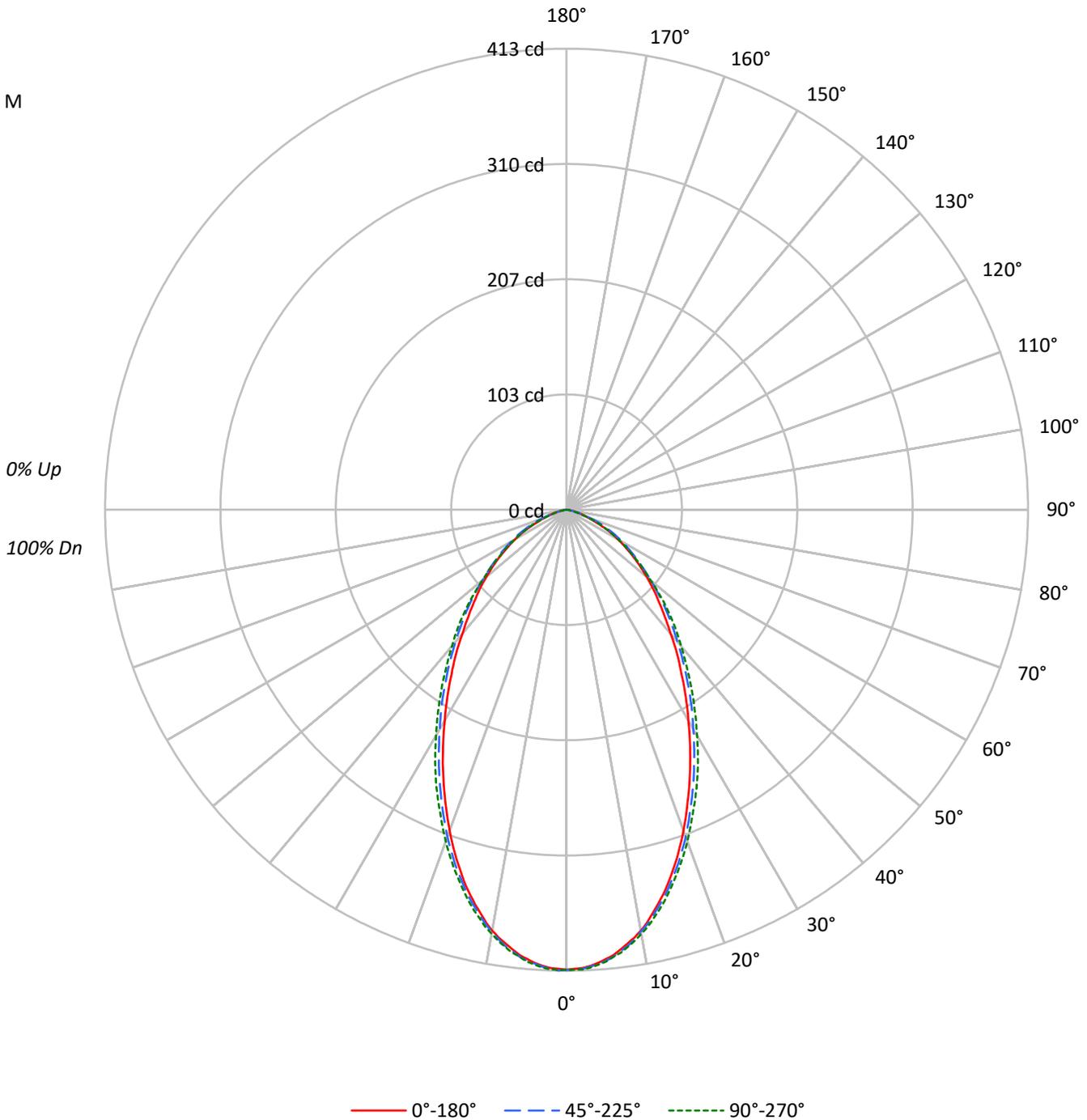
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 590.0 lumens  
Efficiency: N/A  
Efficacy: 53.2 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1  
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

TEST NUMBER: P1309162  
CATALOG NUMBER: LDSQA3D09R709030DE010 3LSQCLDWWR1MB

### 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	100	100
1	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89	89	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79	79	79
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69	69	69
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	62	62	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55	55	55
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50	50	50
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	45	45	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41	41	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38	38	38
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35	35	35

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

	0°	45°	90°
0°	70973	70973	70973
5°	69861	70103	70241
10°	66944	67084	67468
15°	62119	62654	63171
20°	56082	57145	57952
25°	49654	51060	52295
30°	43373	45123	46435
35°	37697	39715	40935
40°	32577	34735	35881
45°	28521	30494	31370
50°	25105	26284	26284
55°	21769	22850	22189
60°	18393	19668	18669
65°	14304	16423	14915
70°	10323	12186	10323
75°	7785	7320	5856
80°	5058	3670	1488
85°	1383	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 31370 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.0	6.4
10°-20°	98.1	16.6
20°-30°	123.1	20.9
30°-40°	117.6	19.9
40°-50°	95.6	16.2
50°-60°	66.9	11.3
60°-70°	37.8	6.4
70°-80°	12.0	2.0
80°-90°	0.9	0.2
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°	259.2	43.9
0°-40°	376.8	63.9
0°-60°	539.3	91.4
0°-90°	590.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	590.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	412	412	412	412	412	
5°	404	405	406	405	406	38
15°	348	349	351	352	354	97
25°	261	264	269	273	275	120
35°	179	182	189	192	195	112
45°	117	120	125	127	129	91
55°	72	73	76	75	74	65
65°	35	37	40	38	37	35
75°	12	12	11	10	9	13
85°	1	1	0	0	0	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	412.1	412.1	412.1	412.1	412.1
1°	411.4	412.1	412.9	411.4	412.1
2°	410.7	411.4	411.4	410.7	412.1
3°	409.2	409.9	409.9	409.2	410.7
4°	407.0	407.7	407.7	407.0	408.5
5°	404.1	404.8	405.5	404.8	406.3
6°	401.1	401.9	402.6	401.9	402.6
7°	396.8	398.2	398.2	398.2	399.7
8°	392.4	393.8	394.6	393.8	395.3
9°	388.0	388.7	389.4	389.4	390.9
10°	382.8	383.6	383.6	384.3	385.8
11°	377.0	377.0	378.5	378.5	380.7
12°	369.7	370.4	371.9	372.6	374.1
13°	363.1	363.8	365.3	366.0	368.2
14°	355.8	357.2	358.7	359.4	361.6
15°	348.4	349.2	351.4	352.1	354.3
17.5°	327.9	328.7	332.3	333.8	336.0
20°	306.0	308.2	311.8	314.0	316.2
22.5°	283.3	285.5	289.9	293.5	295.0
25°	261.3	264.3	268.7	273.0	275.2
27.5°	239.4	242.3	247.4	251.8	254.7
30°	218.1	221.1	226.9	230.6	233.5
32.5°	198.4	201.3	207.9	211.6	213.8
35°	179.3	182.3	188.9	192.5	194.7
37.5°	162.5	165.4	171.3	175.0	176.4
40°	144.9	148.6	154.5	158.1	159.6
42.5°	130.3	133.2	139.1	142.0	144.2
45°	117.1	120.1	125.2	127.4	128.8
47.5°	105.4	106.9	111.3	112.0	113.5
50°	93.7	95.2	98.1	98.8	98.1
52.5°	82.7	84.2	86.4	85.6	85.6
55°	72.5	73.2	76.1	74.7	73.9
57.5°	62.2	63.7	66.6	64.4	63.7
60°	53.4	54.9	57.1	55.6	54.2
62.5°	44.7	45.4	49.0	46.1	44.7
65°	35.1	37.3	40.3	38.1	36.6
67.5°	26.4	30.0	32.9	30.0	28.5
70°	20.5	22.0	24.2	22.7	20.5
72.5°	15.4	16.1	16.8	15.4	13.9
75°	11.7	11.7	11.0	9.5	8.8
77.5°	8.1	8.1	6.6	4.4	4.4
80°	5.1	5.1	3.7	1.5	1.5
82.5°	2.2	2.2	1.5	0.7	0.7
85°	0.7	0.7	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1309162  
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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)