

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: P1315708

Luminaire Tested: LDSQA3D13R709735DE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315708  
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: LDSQA3D13R709735DE010 3LSQCLSWWR 1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , 3LSQCLSWWR 1MB TRI  
Light Source: -  
Ballast/Driver: -

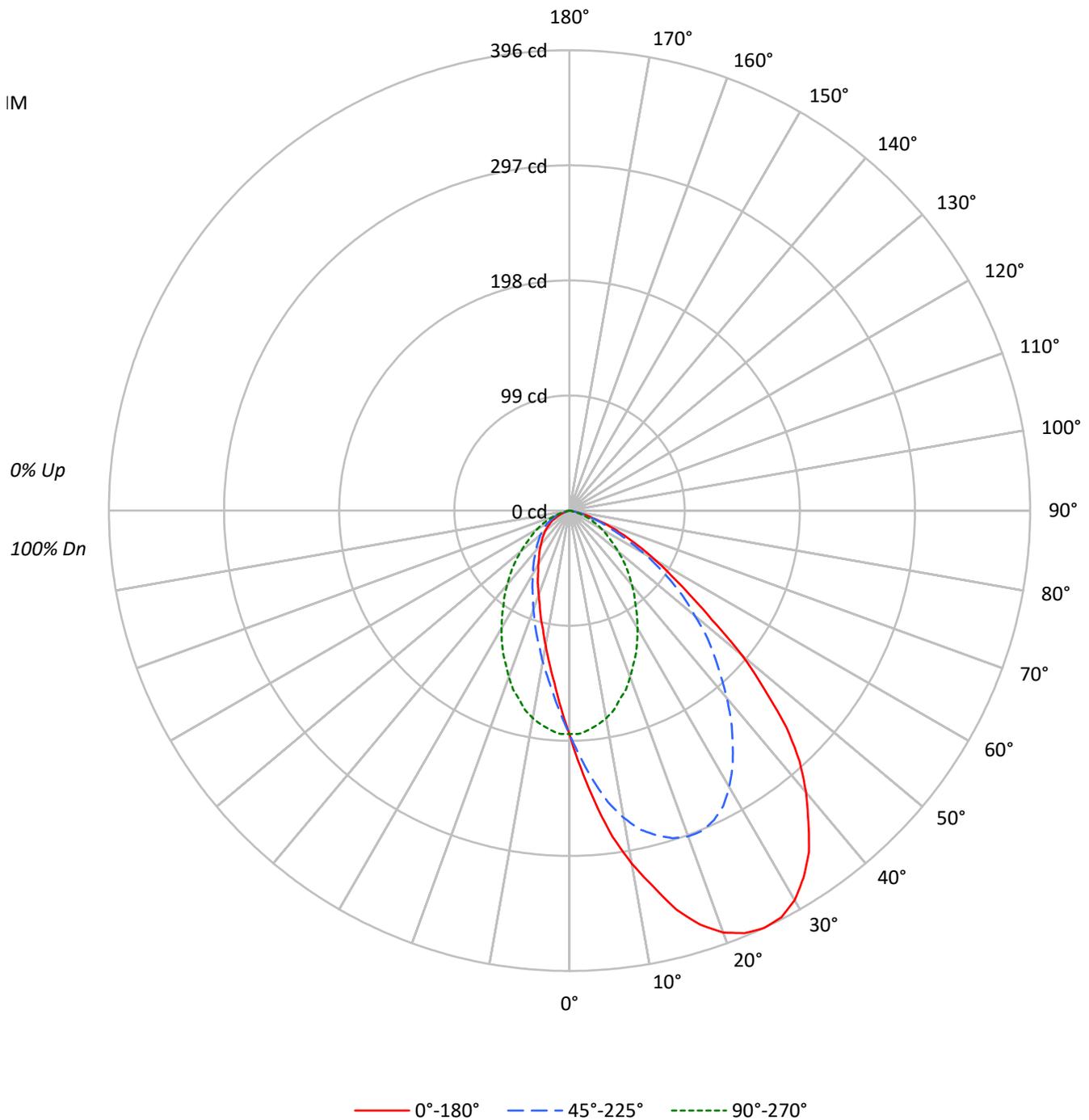
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 431.0 lumens  
Efficiency: N/A  
Efficacy: 29.5 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): 14.6  
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31

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

	0°	45°	90°	135°	180°
0°	33101	33101	33101	33101	33101
5°	43566	40264	32744	27419	25690
10°	53898	46920	31706	23137	20601
15°	63349	51546	29901	19559	16974
20°	70763	54653	27913	16605	14112
25°	75270	55811	25673	14290	12238
30°	76961	54608	23247	12429	10639
35°	75457	51447	20772	11248	9524
40°	71111	47280	18750	10184	8566
45°	64251	42818	16781	9280	7940
50°	51979	37644	14575	8735	7288
55°	37833	32398	12521	8167	6546
60°	29347	25592	11229	7509	5924
65°	22169	18460	9251	6642	4442
70°	15509	13243	6848	5035	2719
75°	9050	7852	3593	2396	599
80°	1785	2678	893	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 64251 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.8	4.4
10°-20°	56.0	13.0
20°-30°	84.4	19.6
30°-40°	93.8	21.8
40°-50°	83.2	19.3
50°-60°	56.5	13.1
60°-70°	29.6	6.9
70°-80°	8.4	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°	159.2	36.9
0°-40°	253.1	58.7
0°-60°	392.7	91.1
0°-90°	431.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	431.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	192	192	192	192	192	
5°	252	233	189	159	149	26
15°	355	289	168	110	95	101
25°	396	294	135	75	64	182
35°	359	245	99	54	45	222
45°	264	176	69	38	33	200
55°	126	108	42	27	22	116
65°	54	45	23	16	11	55
75°	14	12	5	4	1	15
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°	192.2	192.2	192.2	192.2	192.2	192.2	192.2	192.2	192.2	192.2	192.2
2.5°	221.2	220.3	219.3	219.3	218.4	217.5	215.7	215.7	213.9	212.1	210.3
5°	252.0	252.0	252.0	249.3	249.3	245.6	243.8	240.2	236.6	232.9	228.4
7.5°	282.8	282.8	280.1	279.2	276.4	272.8	270.1	264.7	258.3	252.9	245.6
10°	308.2	308.2	305.5	303.6	298.2	294.6	289.1	282.8	276.4	268.3	259.2
12.5°	330.8	331.7	328.1	324.5	319.0	313.6	306.4	298.2	290.0	281.0	269.2
15°	355.3	354.4	349.9	345.3	339.0	330.8	321.8	310.9	300.0	289.1	276.4
17.5°	373.4	372.5	368.0	362.6	354.4	344.4	334.5	321.8	309.1	295.5	280.1
20°	386.1	385.2	380.7	373.4	365.3	354.4	342.6	328.1	314.5	298.2	281.0
22.5°	393.4	392.5	387.0	380.7	370.7	358.9	346.2	330.8	315.4	298.2	279.2
25°	396.1	394.3	388.8	381.6	371.6	358.9	344.4	328.1	311.8	293.7	273.7
27.5°	394.3	392.5	386.1	378.0	367.1	352.6	338.1	321.8	304.5	286.4	265.6
30°	387.0	384.3	378.9	370.7	358.9	344.4	329.0	311.8	293.7	274.6	253.8
32.5°	374.3	372.5	367.1	358.0	346.2	331.7	316.3	298.2	280.1	261.0	240.2
35°	358.9	355.3	349.9	341.7	329.9	315.4	300.0	281.0	263.8	244.7	224.8
37.5°	337.2	336.3	329.9	323.6	311.8	296.4	281.9	263.8	246.5	228.4	208.5
40°	316.3	314.5	309.1	301.8	290.0	276.4	261.0	244.7	227.5	210.3	192.2
42.5°	292.8	290.0	286.4	279.2	268.3	254.7	240.2	223.9	208.5	192.2	175.8
45°	263.8	262.9	258.3	254.7	244.7	232.9	218.4	203.9	188.5	175.8	163.1
47.5°	226.6	225.7	224.8	222.1	216.6	208.5	197.6	184.0	172.2	159.5	142.3
50°	194.0	193.1	191.2	190.3	185.8	181.3	173.1	165.0	155.0	140.5	126.9
52.5°	154.1	155.0	157.7	158.6	157.7	154.1	150.5	147.7	134.1	125.1	112.4
55°	126.0	126.0	125.1	126.0	126.9	128.7	128.7	125.1	116.0	107.9	97.0
57.5°	103.3	103.3	103.3	103.3	103.3	104.2	104.2	103.3	98.8	90.6	80.7
60°	85.2	84.3	84.3	85.2	84.3	84.3	85.2	85.2	80.7	74.3	65.3
62.5°	68.9	68.9	68.9	68.0	68.0	68.9	68.9	68.0	64.4	58.0	51.7
65°	54.4	54.4	54.4	54.4	54.4	55.3	54.4	53.5	49.9	45.3	40.8
67.5°	41.7	41.7	42.6	41.7	42.6	42.6	42.6	40.8	38.1	34.4	31.7
70°	30.8	30.8	30.8	31.7	32.6	32.6	31.7	29.9	28.1	26.3	23.6
72.5°	20.8	21.8	21.8	21.8	22.7	22.7	21.8	20.8	19.9	18.1	17.2
75°	13.6	12.7	13.6	13.6	14.5	14.5	13.6	13.6	12.7	11.8	10.9
77.5°	6.3	6.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	6.3	6.3
80°	1.8	1.8	1.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
82.5°	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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°	192.2	192.2	192.2	192.2	192.2	192.2	192.2	192.2
2.5°	208.5	205.7	202.1	192.2	183.1	174.9	170.4	169.5
5°	223.0	219.3	210.3	189.4	172.2	158.6	150.5	148.6
7.5°	238.4	231.1	218.4	185.8	161.3	144.1	135.1	132.3
10°	250.2	241.1	223.9	181.3	150.5	132.3	121.5	117.8
12.5°	258.3	247.4	228.4	175.8	141.4	119.6	108.8	105.1
15°	262.9	251.1	229.3	167.7	130.5	109.7	97.9	95.2
17.5°	264.7	251.1	227.5	161.3	120.5	99.7	88.8	85.2
20°	263.8	247.4	223.0	152.3	111.5	90.6	79.8	77.0
22.5°	260.1	242.0	215.7	143.2	102.4	81.6	72.5	70.7
25°	254.7	234.8	207.6	135.1	94.3	75.2	66.2	64.4
27.5°	245.6	225.7	196.7	126.0	87.0	68.9	60.7	58.0
30°	233.8	214.8	185.8	116.9	79.8	62.5	55.3	53.5
32.5°	221.2	202.1	174.9	107.9	73.4	58.0	50.8	48.9
35°	206.7	188.5	161.3	98.8	67.1	53.5	46.2	45.3
37.5°	192.2	174.0	149.6	91.5	61.6	48.9	42.6	41.7
40°	175.8	161.3	143.2	83.4	57.1	45.3	39.9	38.1
42.5°	165.9	145.9	123.3	76.1	52.6	41.7	36.3	35.3
45°	144.1	129.6	111.5	68.9	48.0	38.1	33.5	32.6
47.5°	129.6	116.9	99.7	61.6	44.4	35.3	30.8	29.9
50°	115.1	103.3	87.0	54.4	40.8	32.6	28.1	27.2
52.5°	100.6	88.8	74.3	48.0	36.3	29.9	25.4	24.5
55°	86.1	75.2	61.6	41.7	32.6	27.2	23.6	21.8
57.5°	70.7	61.6	52.6	37.2	29.0	24.5	20.8	19.0
60°	57.1	51.7	44.4	32.6	25.4	21.8	18.1	17.2
62.5°	46.2	41.7	37.2	28.1	22.7	19.0	16.3	13.6
65°	37.2	34.4	30.8	22.7	19.0	16.3	13.6	10.9
67.5°	29.0	27.2	24.5	19.0	15.4	13.6	10.0	8.2
70°	22.7	20.8	19.0	13.6	11.8	10.0	7.3	5.4
72.5°	16.3	14.5	13.6	10.0	8.2	7.3	4.5	2.7
75°	10.0	10.0	8.2	5.4	4.5	3.6	1.8	0.9
77.5°	5.4	5.4	4.5	2.7	2.7	0.9	0.0	0.0
80°	2.7	1.8	1.8	0.9	0.9	0.0	0.0	0.0
82.5°	0.9	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)