

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: P1308171

Luminaire Tested: LDSQA3D13R459027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308171  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R459027DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

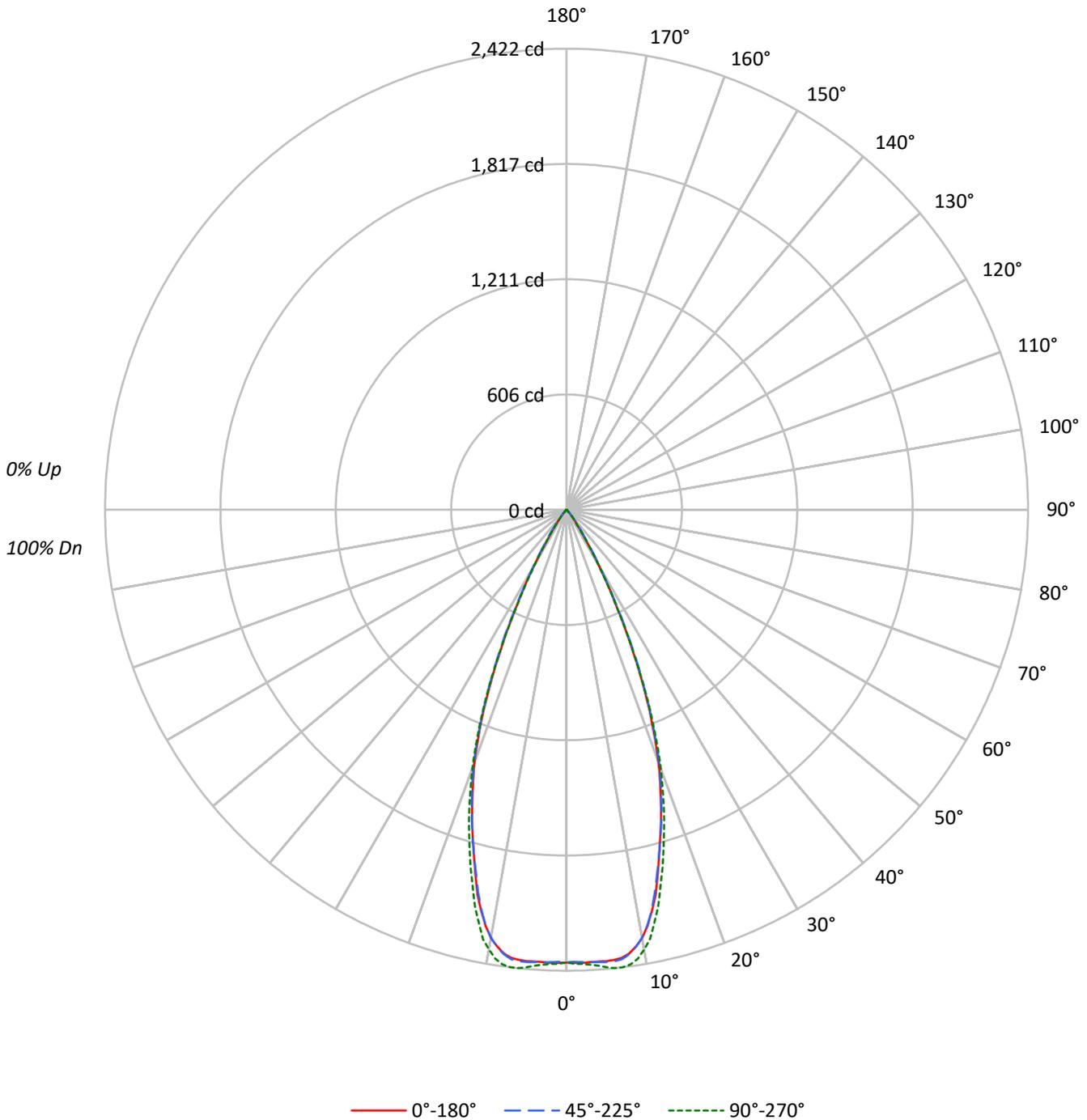
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1230.9 lumens  
Efficiency: N/A  
Efficacy: 84.3 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67  
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	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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

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

	0°	45°	90°
0°	409632	409632	409632
5°	411663	412441	417143
10°	399442	399127	410232
15°	334754	334594	346897
20°	258785	261443	265108
25°	158653	161922	158995
30°	68032	71094	65864
35°	21361	25755	20793
40°	7352	9375	7149
45°	1315	3970	1096
50°	723	1447	723
55°	811	811	811
60°	620	620	620
65°	734	734	734
70°	453	453	453
75°	599	599	599
80°	893	893	893
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3970 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	226.1	18.4
10°-20°	522.3	42.4
20°-30°	382.5	31.1
30°-40°	84.5	6.9
40°-50°	10.4	0.8
50°-60°	2.4	0.2
60°-70°	1.7	0.1
70°-80°	1.0	0.1
80°-90°	0.1	0.0
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°	1130.9	91.9
0°-40°	1215.3	98.7
0°-60°	1228.1	99.8
0°-90°	1230.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1230.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2378	2378	2378	2378	2378	
5°	2381	2379	2386	2403	2413	225
15°	1878	1868	1877	1922	1946	518
25°	835	834	852	846	837	378
35°	102	107	122	107	99	80
45°	5	9	16	9	4	7
55°	3	3	3	3	3	2
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2378.5	2378.5	2378.5	2378.5	2378.5
1°	2380.3	2376.6	2375.7	2382.1	2386.6
2°	2382.1	2377.6	2378.5	2384.8	2387.5
3°	2380.3	2375.7	2380.3	2389.3	2393.0
4°	2379.4	2377.6	2382.1	2394.8	2401.1
5°	2381.2	2379.4	2385.7	2403.0	2412.9
6°	2378.5	2375.7	2384.8	2406.6	2421.1
7°	2372.1	2369.4	2379.4	2405.7	2422.0
8°	2354.9	2349.4	2359.4	2392.1	2412.0
9°	2324.0	2316.8	2326.7	2364.8	2388.4
10°	2284.1	2275.9	2282.3	2319.5	2345.8
11°	2226.9	2216.0	2223.3	2263.2	2297.7
12°	2154.3	2138.9	2148.0	2193.3	2217.8
13°	2075.4	2060.8	2062.7	2103.5	2138.0
14°	1977.4	1958.3	1966.5	2009.1	2036.3
15°	1877.5	1867.6	1876.6	1922.0	1945.6
17.5°	1648.9	1648.0	1656.1	1689.7	1702.4
20°	1412.0	1414.7	1426.5	1444.7	1446.5
22.5°	1131.6	1132.5	1145.2	1157.9	1155.2
25°	834.9	834.0	852.1	845.8	836.7
27.5°	553.6	557.2	573.5	561.7	552.6
30°	342.1	349.4	357.5	343.0	331.2
32.5°	185.1	196.9	208.7	196.0	184.2
35°	101.6	107.1	122.5	107.1	98.9
37.5°	59.0	61.7	71.7	61.7	56.3
40°	32.7	37.2	41.7	37.2	31.8
42.5°	13.6	20.9	25.4	20.9	13.6
45°	5.4	9.1	16.3	9.1	4.5
47.5°	2.7	3.6	10.0	3.6	2.7
50°	2.7	2.7	5.4	2.7	2.7
52.5°	2.7	2.7	2.7	2.7	2.7
55°	2.7	2.7	2.7	2.7	2.7
57.5°	2.7	2.7	2.7	2.7	2.7
60°	1.8	1.8	1.8	2.7	1.8
62.5°	1.8	1.8	1.8	1.8	1.8
65°	1.8	1.8	1.8	1.8	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
70°	0.9	0.9	0.9	1.8	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)