

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: P1307364

Luminaire Tested: LDSQA3D17R509024DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307364  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R509024DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

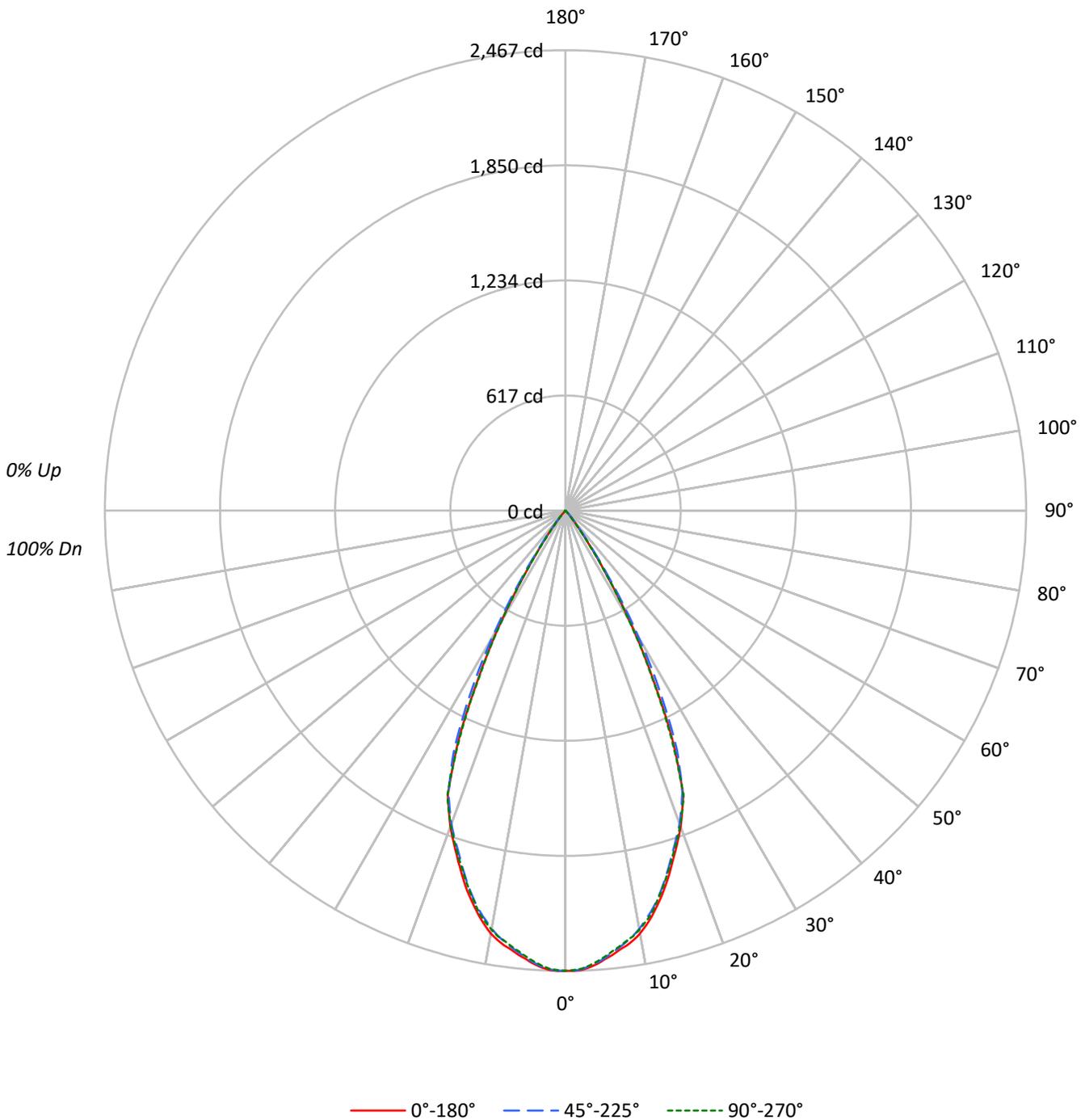
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1588.0 lumens  
Efficiency: N/A  
Efficacy: 74.9 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

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

	0°	45°	90°
0°	424701	424701	424701
5°	417299	416123	414930
10°	402450	398078	398883
15°	370218	365564	366581
20°	330592	327477	329346
25°	257296	268090	254484
30°	139365	155632	136899
35°	43941	52309	42995
40°	9712	13534	9195
45°	268	4141	268
50°	0	616	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 4141 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.9	14.2
10°-20°	574.0	36.1
20°-30°	604.6	38.1
30°-40°	172.7	10.9
40°-50°	10.7	0.7
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	1404.6	88.4
0°-40°	1577.3	99.3
0°-60°	1588.0	100.0
0°-90°	1588.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1588.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2466	2466	2466	2466	2466	
5°	2414	2412	2407	2405	2400	227
15°	2076	2063	2050	2054	2056	578
25°	1354	1404	1411	1395	1339	592
35°	209	224	249	211	204	163
45°	1	6	17	6	1	7
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	2466.0	2466.0	2466.0	2466.0	2466.0
1°	2467.2	2468.3	2466.0	2468.3	2462.6
2°	2463.8	2461.5	2459.2	2460.3	2456.9
3°	2451.3	2450.1	2445.6	2446.7	2442.2
4°	2435.4	2431.9	2428.5	2426.3	2421.7
5°	2413.8	2411.5	2407.0	2404.7	2400.1
6°	2395.6	2391.1	2383.1	2380.8	2376.3
7°	2371.7	2369.5	2359.3	2357.0	2354.7
8°	2353.6	2346.8	2334.3	2335.4	2329.7
9°	2329.7	2320.6	2308.1	2308.1	2309.3
10°	2301.3	2287.7	2276.3	2279.7	2280.9
11°	2263.8	2254.7	2237.7	2245.7	2245.7
12°	2222.9	2211.6	2199.1	2205.9	2210.4
13°	2175.2	2166.1	2154.8	2161.6	2159.3
14°	2128.7	2111.6	2103.7	2112.8	2109.4
15°	2076.4	2062.8	2050.3	2053.7	2056.0
17.5°	1936.7	1921.9	1912.8	1914.0	1924.2
20°	1803.8	1798.1	1786.8	1791.3	1797.0
22.5°	1647.0	1649.3	1635.7	1639.1	1652.7
25°	1354.0	1404.0	1410.8	1394.9	1339.2
27.5°	1003.0	1078.0	1100.7	1064.3	996.2
30°	700.8	721.3	782.6	713.3	688.4
32.5°	411.2	441.9	474.8	427.1	410.1
35°	209.0	223.8	248.8	211.3	204.5
37.5°	96.6	103.4	113.6	96.6	90.9
40°	43.2	51.1	60.2	48.8	40.9
42.5°	13.6	23.9	31.8	21.6	12.5
45°	1.1	5.7	17.0	5.7	1.1
47.5°	0.0	1.1	6.8	1.1	0.0
50°	0.0	0.0	2.3	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
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)