

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: P1318544

Luminaire Tested: LDSQA3D17R459830DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1318544  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R459830DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

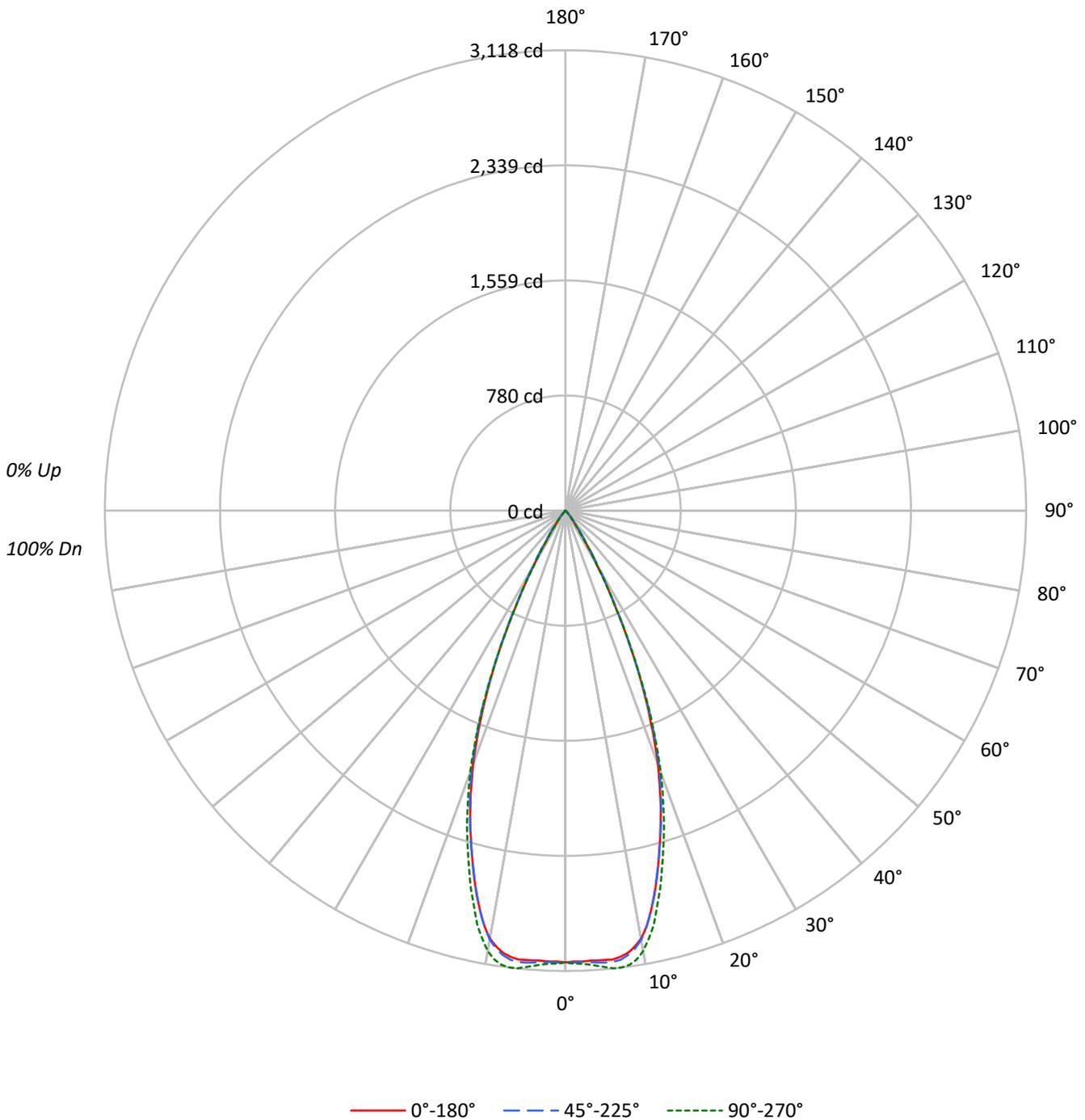
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1582.0 lumens  
Efficiency: N/A  
Efficacy: 77.5 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 20.4  
Input Voltage (V): NR  
Input Current (Ain): 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	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	82	79	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	79	76	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	71	67	65	64

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

	0°	45°	90°
0°	526984	526984	526984
5°	528185	531227	536517
10°	514950	515982	529552
15°	434441	434655	448901
20°	335358	340104	345694
25°	208041	208269	209618
30°	85830	91200	84418
35°	26701	32630	25713
40°	8206	11376	7666
45°	585	4287	585
50°	0	643	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: 4287 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	291.2	18.4
10°-20°	677.1	42.8
20°-30°	496.7	31.4
30°-40°	106.7	6.7
40°-50°	10.2	0.6
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°	1465.0	92.6
0°-40°	1571.8	99.4
0°-60°	1582.0	100.0
0°-90°	1582.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1582.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3060	3060	3060	3060	3060	
5°	3055	3063	3073	3094	3103	289
15°	2437	2432	2438	2477	2518	671
25°	1095	1091	1096	1096	1103	491
35°	127	136	155	133	122	100
45°	2	7	18	7	2	6
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°	3059.9	3059.9	3059.9	3059.9	3059.9
1°	3054.0	3061.0	3061.0	3065.7	3068.1
2°	3056.3	3061.0	3059.9	3068.1	3071.6
3°	3052.8	3061.0	3063.4	3072.8	3078.7
4°	3054.0	3061.0	3068.1	3082.2	3090.4
5°	3055.2	3063.4	3072.8	3094.0	3103.4
6°	3056.3	3062.2	3072.8	3099.8	3117.5
7°	3044.6	3052.8	3064.6	3098.7	3117.5
8°	3025.8	3030.5	3039.9	3084.6	3106.9
9°	2990.5	2989.3	3003.4	3052.8	3078.7
10°	2944.6	2930.5	2950.5	2999.9	3028.1
11°	2870.5	2855.2	2872.9	2925.8	2952.9
12°	2774.1	2774.1	2777.6	2824.7	2871.7
13°	2671.8	2660.0	2667.1	2720.0	2752.9
14°	2558.9	2547.1	2554.2	2594.2	2645.9
15°	2436.6	2431.9	2437.8	2476.6	2517.7
17.5°	2146.1	2135.6	2156.7	2195.5	2216.7
20°	1829.8	1847.4	1855.7	1880.4	1886.2
22.5°	1466.4	1485.2	1497.0	1500.5	1504.1
25°	1094.8	1091.3	1096.0	1096.0	1103.1
27.5°	719.7	719.7	732.6	724.4	716.2
30°	431.6	449.2	458.6	443.3	424.5
32.5°	235.2	252.8	268.1	245.8	229.3
35°	127.0	136.4	155.2	132.9	122.3
37.5°	69.4	77.6	89.4	75.3	69.4
40°	36.5	44.7	50.6	44.7	34.1
42.5°	11.8	22.3	29.4	22.3	10.6
45°	2.4	7.1	17.6	7.1	2.4
47.5°	0.0	1.2	8.2	1.2	0.0
50°	0.0	0.0	2.4	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)