

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: P1319421

Luminaire Tested: LDSQA3D17R459835DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319421  
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: LDSQA3D17R459835DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

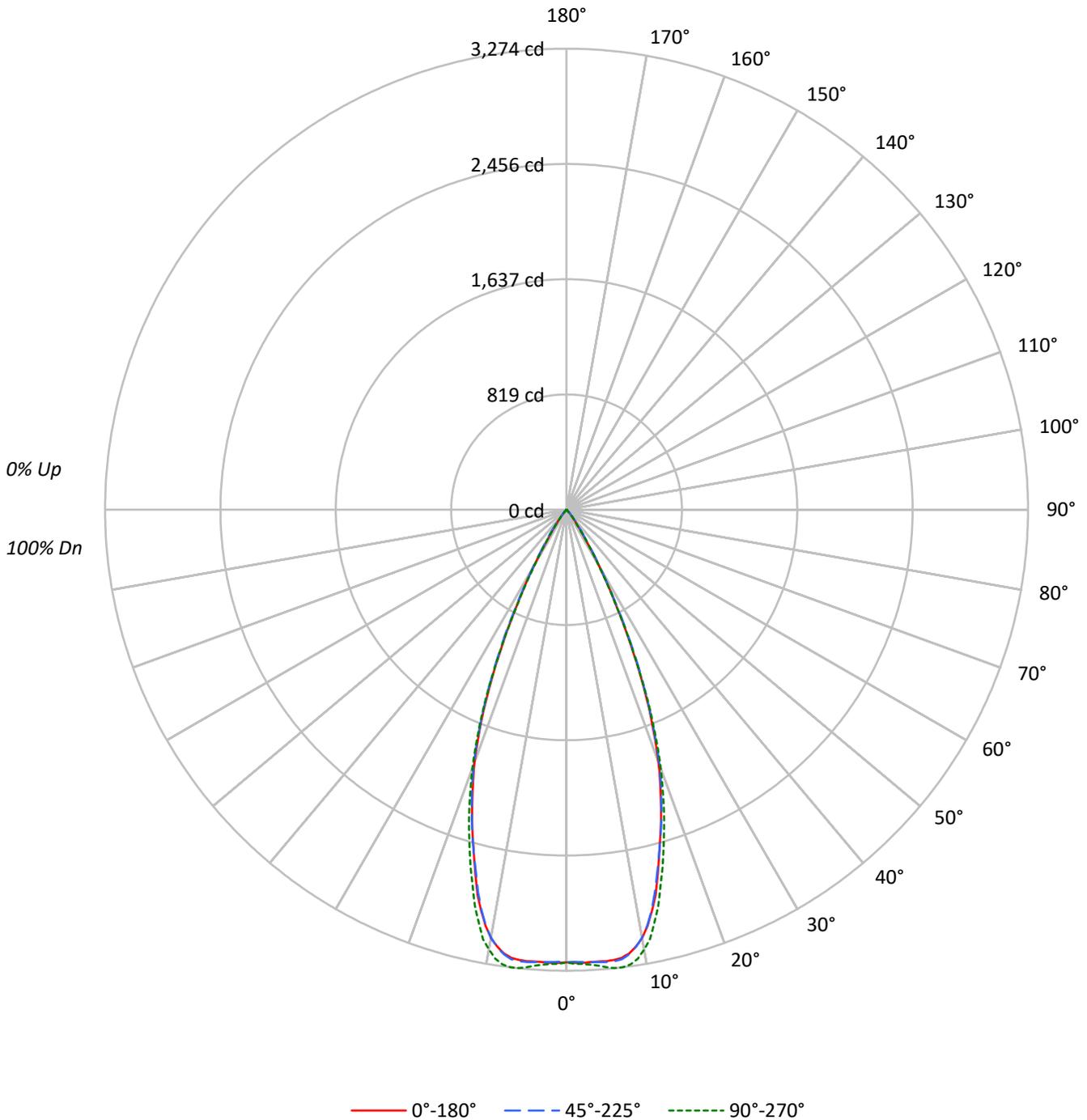
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1664.0 lumens  
Efficiency: N/A  
Efficacy: 81.6 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): 20.4  
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	
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	98	97
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	94	92
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91	92	90	88
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	86	92	90	88
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	82	88	86	84
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	79	85	82	80
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	75	82	79	76
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	72	79	75	73
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	69	76	72	70
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	66	73	70	67
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63	70	67	64

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

	0°	45°	90°
0°	553713	553713	553713
5°	556468	557522	563884
10°	539940	539503	554525
15°	452520	452289	468924
20°	349818	353410	358359
25°	214445	218873	214920
30°	91975	96112	89032
35°	28888	34817	28110
40°	9937	12680	9645
45°	1802	5383	1486
50°	991	1983	991
55°	1111	1111	1111
60°	861	861	861
65°	1019	1019	1019
70°	604	604	604
75°	799	799	799
80°	1190	1190	1190
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 5383 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	305.6	18.4
10°-20°	706.1	42.4
20°-30°	517.0	31.1
30°-40°	114.2	6.9
40°-50°	14.0	0.8
50°-60°	3.3	0.2
60°-70°	2.4	0.1
70°-80°	1.3	0.1
80°-90°	0.2	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°	1528.6	91.9
0°-40°	1642.8	98.7
0°-60°	1660.2	99.8
0°-90°	1664.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1664.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3215	3215	3215	3215	3215	
5°	3219	3216	3225	3248	3262	304
15°	2538	2524	2537	2598	2630	700
25°	1128	1127	1152	1143	1131	511
35°	137	145	166	145	134	108
45°	7	12	22	12	6	10
55°	4	4	4	4	4	3
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°	3215.1	3215.1	3215.1	3215.1	3215.1
1°	3217.5	3212.6	3211.4	3220.0	3226.1
2°	3220.0	3213.8	3215.1	3223.7	3227.3
3°	3217.5	3211.4	3217.5	3229.8	3234.7
4°	3216.3	3213.8	3220.0	3237.2	3245.7
5°	3218.8	3216.3	3224.9	3248.2	3261.7
6°	3215.1	3211.4	3223.7	3253.1	3272.7
7°	3206.5	3202.8	3216.3	3251.9	3274.0
8°	3183.2	3175.8	3189.3	3233.5	3260.5
9°	3141.5	3131.7	3145.2	3196.7	3228.6
10°	3087.5	3076.5	3085.0	3135.3	3170.9
11°	3010.2	2995.5	3005.3	3059.3	3105.9
12°	2912.1	2891.2	2903.5	2964.8	2998.0
13°	2805.4	2785.7	2788.2	2843.4	2890.0
14°	2672.9	2647.1	2658.2	2715.8	2752.6
15°	2538.0	2524.5	2536.7	2598.1	2630.0
17.5°	2228.8	2227.6	2238.7	2284.0	2301.2
20°	1908.7	1912.4	1928.3	1952.8	1955.3
22.5°	1529.6	1530.9	1548.0	1565.2	1561.5
25°	1128.5	1127.3	1151.8	1143.2	1131.0
27.5°	748.3	753.2	775.2	759.3	747.0
30°	462.5	472.3	483.3	463.7	447.7
32.5°	250.2	266.2	282.1	265.0	249.0
35°	137.4	144.7	165.6	144.7	133.7
37.5°	79.7	83.4	96.9	83.4	76.1
40°	44.2	50.3	56.4	50.3	42.9
42.5°	18.4	28.2	34.3	28.2	18.4
45°	7.4	12.3	22.1	12.3	6.1
47.5°	3.7	4.9	13.5	4.9	3.7
50°	3.7	3.7	7.4	3.7	3.7
52.5°	3.7	3.7	3.7	3.7	3.7
55°	3.7	3.7	3.7	3.7	3.7
57.5°	3.7	3.7	3.7	3.7	3.7
60°	2.5	2.5	2.5	3.7	2.5
62.5°	2.5	2.5	2.5	2.5	2.5
65°	2.5	2.5	2.5	2.5	2.5
67.5°	2.5	2.5	2.5	2.5	2.5
70°	1.2	1.2	1.2	2.5	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2
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)