

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: P1315810

Luminaire Tested: LDSQA3D17R459735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315810  
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: LDSQA3D17R459735DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

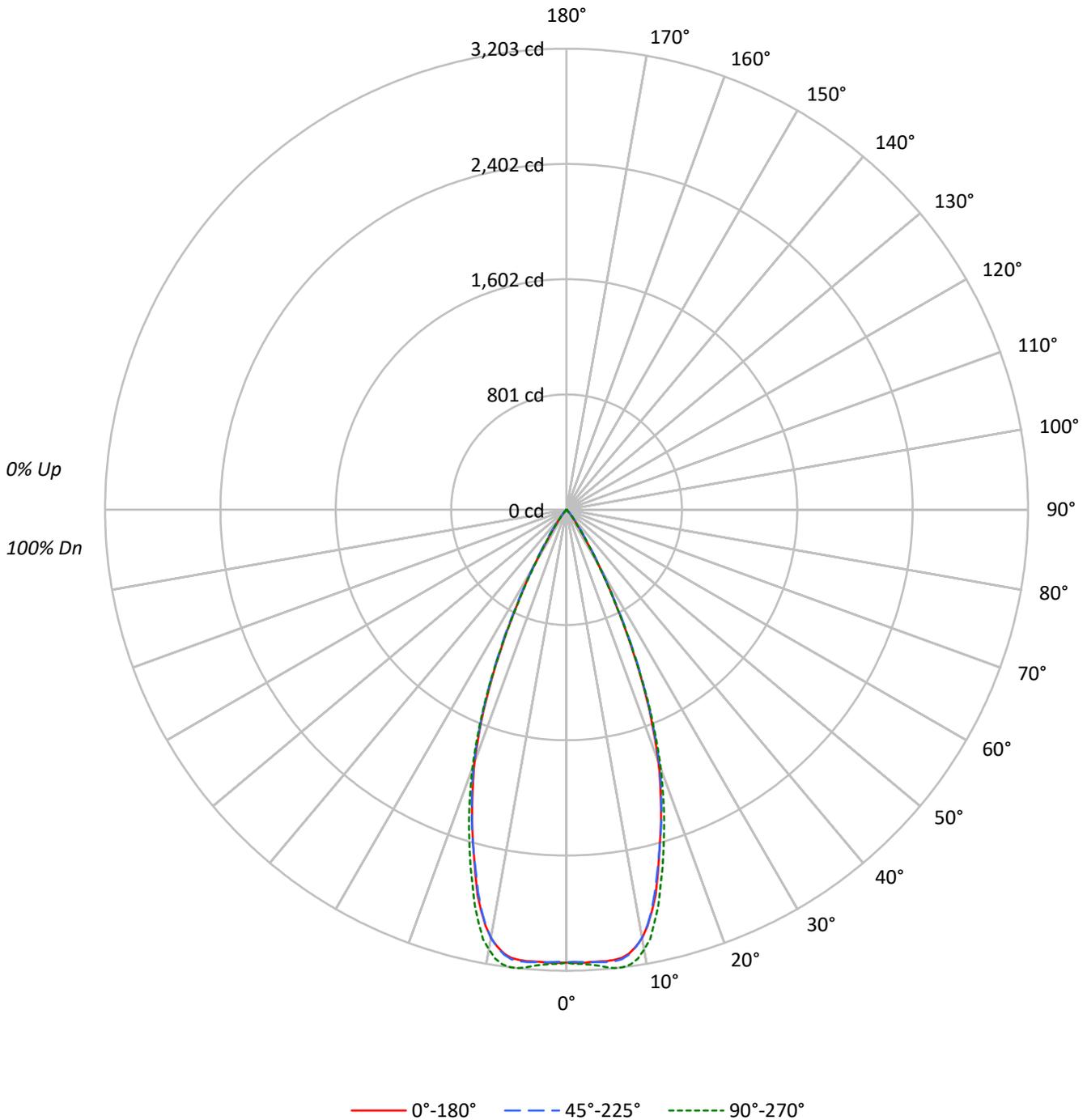
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1628.0 lumens  
Efficiency: N/A  
Efficacy: 76.8 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): 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	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°	541726	541726	541726
5°	544418	545455	551679
10°	528258	527839	542529
15°	442732	442518	458779
20°	342249	345768	350606
25°	209808	214141	210264
30°	89967	94024	87103
35°	28257	34060	27500
40°	9712	12410	9442
45°	1754	5261	1461
50°	965	1929	965
55°	1081	1081	1081
60°	827	827	827
65°	978	978	978
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: 5261 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	299.0	18.4
10°-20°	690.8	42.4
20°-30°	505.8	31.1
30°-40°	111.7	6.9
40°-50°	13.7	0.8
50°-60°	3.2	0.2
60°-70°	2.3	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°	1495.6	91.9
0°-40°	1607.3	98.7
0°-60°	1624.2	99.8
0°-90°	1628.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1628.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3146	3146	3146	3146	3146	
5°	3149	3147	3155	3178	3191	297
15°	2483	2470	2482	2542	2573	685
25°	1104	1103	1127	1118	1106	500
35°	134	142	162	142	131	106
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°	3145.5	3145.5	3145.5	3145.5	3145.5
1°	3147.9	3143.1	3141.9	3150.3	3156.3
2°	3150.3	3144.3	3145.5	3153.9	3157.5
3°	3147.9	3141.9	3147.9	3159.9	3164.7
4°	3146.7	3144.3	3150.3	3167.1	3175.5
5°	3149.1	3146.7	3155.1	3177.9	3191.1
6°	3145.5	3141.9	3153.9	3182.7	3201.9
7°	3137.1	3133.5	3146.7	3181.5	3203.1
8°	3114.3	3107.1	3120.3	3163.5	3189.9
9°	3073.5	3063.9	3077.1	3127.5	3158.7
10°	3020.7	3009.9	3018.3	3067.5	3102.3
11°	2945.1	2930.7	2940.3	2993.1	3038.7
12°	2849.1	2828.7	2840.7	2900.7	2933.1
13°	2744.7	2725.5	2727.9	2781.9	2827.5
14°	2615.1	2589.9	2600.7	2657.1	2693.1
15°	2483.1	2469.8	2481.9	2541.9	2573.1
17.5°	2180.6	2179.4	2190.2	2234.6	2251.4
20°	1867.4	1871.0	1886.6	1910.6	1913.0
22.5°	1496.6	1497.8	1514.6	1531.4	1527.8
25°	1104.1	1102.9	1126.9	1118.5	1106.5
27.5°	732.1	736.9	758.5	742.9	730.9
30°	452.4	462.0	472.8	453.6	438.0
32.5°	244.8	260.4	276.0	259.2	243.6
35°	134.4	141.6	162.0	141.6	130.8
37.5°	78.0	81.6	94.8	81.6	74.4
40°	43.2	49.2	55.2	49.2	42.0
42.5°	18.0	27.6	33.6	27.6	18.0
45°	7.2	12.0	21.6	12.0	6.0
47.5°	3.6	4.8	13.2	4.8	3.6
50°	3.6	3.6	7.2	3.6	3.6
52.5°	3.6	3.6	3.6	3.6	3.6
55°	3.6	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	3.6	3.6	3.6
60°	2.4	2.4	2.4	3.6	2.4
62.5°	2.4	2.4	2.4	2.4	2.4
65°	2.4	2.4	2.4	2.4	2.4
67.5°	2.4	2.4	2.4	2.4	2.4
70°	1.2	1.2	1.2	2.4	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)