

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: P1314836

Luminaire Tested: LDSQA3D17R459730DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

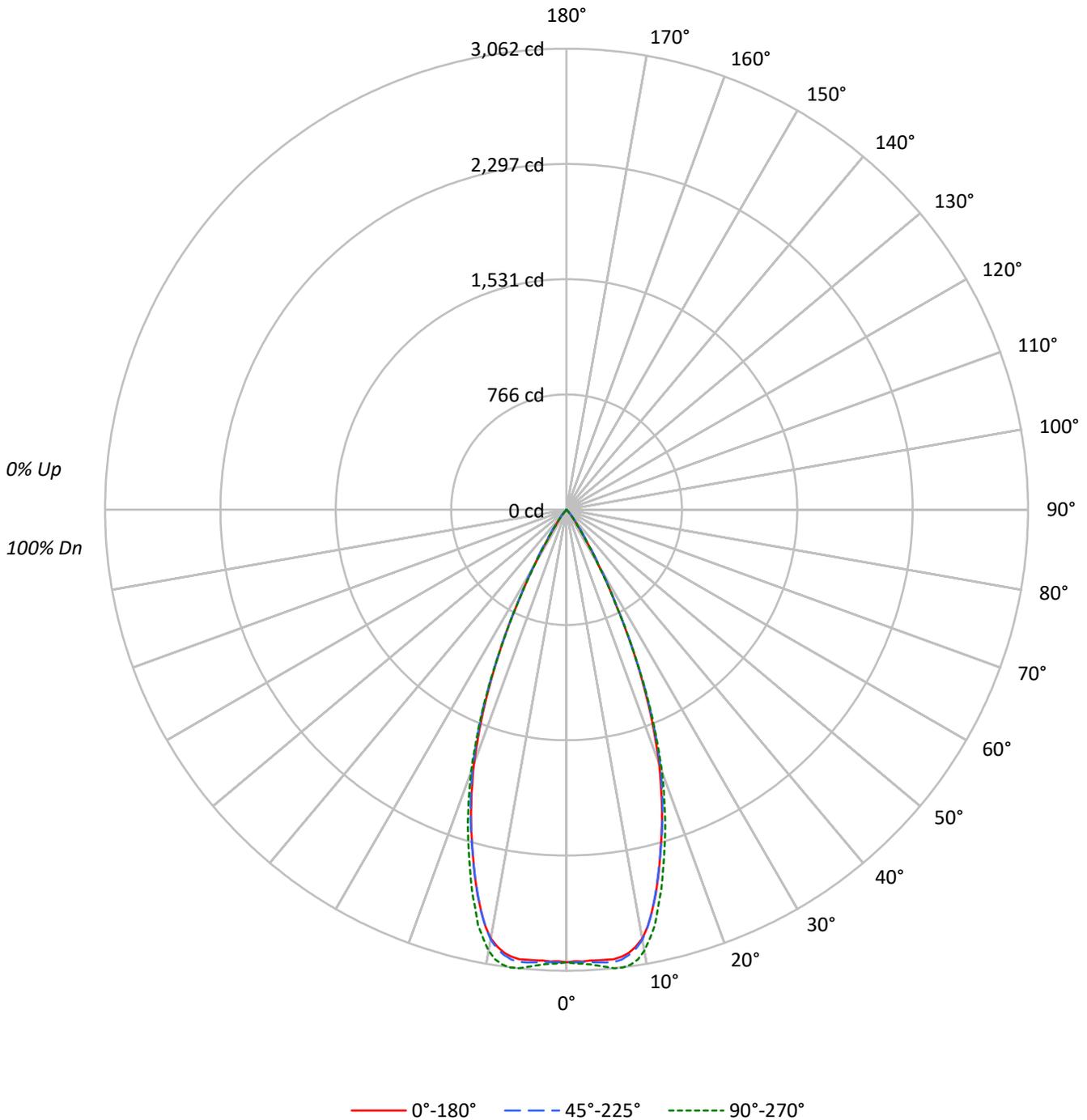
Test Method: LM-79-2019  
Report Number: P1314836  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R459730DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1554.0 lumens  
Efficiency: N/A  
Efficacy: 73.3 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): 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	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°	517650	517650	517650
5°	518832	521823	527009
10°	505839	506853	520179
15°	426756	426952	440967
20°	329419	334075	339591
25°	204355	204583	205894
30°	84299	89589	82927
35°	26239	32062	25250
40°	8049	11174	7531
45°	560	4214	560
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: 4214 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	286.1	18.4
10°-20°	665.1	42.8
20°-30°	487.9	31.4
30°-40°	104.9	6.7
40°-50°	10.0	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°	1439.1	92.6
0°-40°	1544.0	99.4
0°-60°	1554.0	100.0
0°-90°	1554.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1554.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3006	3006	3006	3006	3006	
5°	3001	3009	3018	3039	3048	284
15°	2394	2389	2395	2433	2473	659
25°	1075	1072	1077	1077	1084	482
35°	125	134	152	130	120	98
45°	2	7	17	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°	3005.7	3005.7	3005.7	3005.7	3005.7
1°	2999.9	3006.9	3006.9	3011.5	3013.8
2°	3002.2	3006.9	3005.7	3013.8	3017.3
3°	2998.8	3006.9	3009.2	3018.4	3024.2
4°	2999.9	3006.9	3013.8	3027.7	3035.7
5°	3001.1	3009.2	3018.4	3039.2	3048.4
6°	3002.2	3008.0	3018.4	3045.0	3062.3
7°	2990.7	2998.8	3010.3	3043.8	3062.3
8°	2972.2	2976.8	2986.1	3030.0	3051.9
9°	2937.6	2936.4	2950.3	2998.8	3024.2
10°	2892.5	2878.6	2898.3	2946.8	2974.5
11°	2819.7	2804.7	2822.0	2874.0	2900.6
12°	2725.0	2725.0	2728.5	2774.7	2820.9
13°	2624.5	2613.0	2619.9	2671.9	2704.2
14°	2513.6	2502.1	2509.0	2548.3	2599.1
15°	2393.5	2388.9	2394.6	2432.8	2473.2
17.5°	2108.2	2097.8	2118.5	2156.7	2177.5
20°	1797.4	1814.7	1822.8	1847.1	1852.9
22.5°	1440.5	1459.0	1470.5	1474.0	1477.4
25°	1075.4	1072.0	1076.6	1076.6	1083.5
27.5°	707.0	707.0	719.7	711.6	703.5
30°	423.9	441.3	450.5	435.5	417.0
32.5°	231.0	248.4	263.4	241.4	225.3
35°	124.8	134.0	152.5	130.5	120.1
37.5°	68.2	76.2	87.8	73.9	68.2
40°	35.8	43.9	49.7	43.9	33.5
42.5°	11.6	21.9	28.9	21.9	10.4
45°	2.3	6.9	17.3	6.9	2.3
47.5°	0.0	1.2	8.1	1.2	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)