

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: P1309444

Luminaire Tested: LDSQA3D17R459030DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

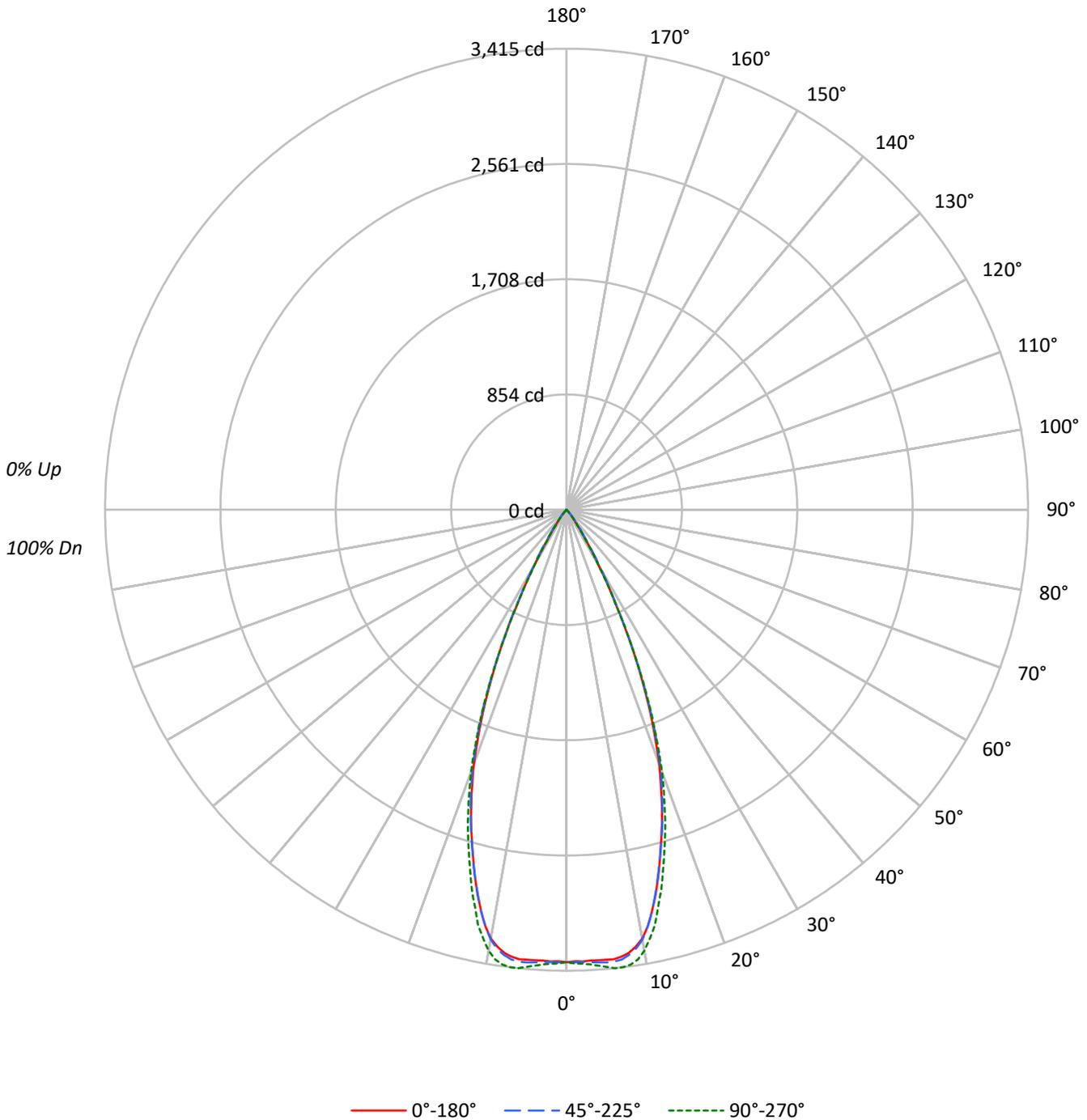
Test Method: LM-79-2019  
Report Number: P1309444  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R459030DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1733.0 lumens  
Efficiency: N/A  
Efficacy: 81.7 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 (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	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	64

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

	0°	45°	90°
0°	577273	577273	577273
5°	578596	581933	587725
10°	564109	565228	580093
15°	475913	476145	491764
20°	367376	372562	378702
25°	227899	228146	229609
30°	94024	99910	92472
35°	29245	35742	28173
40°	8970	12455	8408
45°	633	4701	633
50°	0	697	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: 4701 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	319.0	18.4
10°-20°	741.8	42.8
20°-30°	544.1	31.4
30°-40°	116.9	6.7
40°-50°	11.1	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°	1604.9	92.6
0°-40°	1721.8	99.4
0°-60°	1733.0	100.0
0°-90°	1733.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1733.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3352	3352	3352	3352	3352	
5°	3347	3356	3366	3389	3400	317
15°	2669	2664	2670	2713	2758	735
25°	1199	1196	1201	1201	1208	538
35°	139	149	170	146	134	110
45°	3	8	19	8	3	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°	3351.9	3351.9	3351.9	3351.9	3351.9
1°	3345.5	3353.2	3353.2	3358.4	3360.9
2°	3348.1	3353.2	3351.9	3360.9	3364.8
3°	3344.2	3353.2	3355.8	3366.1	3372.5
4°	3345.5	3353.2	3360.9	3376.4	3385.4
5°	3346.8	3355.8	3366.1	3389.3	3399.6
6°	3348.1	3354.5	3366.1	3395.7	3415.0
7°	3335.2	3344.2	3357.1	3394.4	3415.0
8°	3314.6	3319.7	3330.0	3379.0	3403.5
9°	3275.9	3274.6	3290.1	3344.2	3372.5
10°	3225.7	3210.2	3232.1	3286.2	3317.1
11°	3144.5	3127.8	3147.1	3205.1	3234.7
12°	3038.9	3038.9	3042.8	3094.3	3145.8
13°	2926.8	2913.9	2921.7	2979.6	3015.7
14°	2803.1	2790.3	2798.0	2841.8	2898.5
15°	2669.2	2664.0	2670.5	2713.0	2758.1
17.5°	2351.0	2339.4	2362.6	2405.1	2428.3
20°	2004.5	2023.8	2032.8	2059.8	2066.3
22.5°	1606.4	1627.0	1639.9	1643.8	1647.6
25°	1199.3	1195.5	1200.6	1200.6	1208.3
27.5°	788.4	788.4	802.6	793.5	784.5
30°	472.8	492.1	502.4	485.7	465.0
32.5°	257.6	277.0	293.7	269.2	251.2
35°	139.1	149.4	170.0	145.6	134.0
37.5°	76.0	85.0	97.9	82.4	76.0
40°	39.9	49.0	55.4	49.0	37.4
42.5°	12.9	24.5	32.2	24.5	11.6
45°	2.6	7.7	19.3	7.7	2.6
47.5°	0.0	1.3	9.0	1.3	0.0
50°	0.0	0.0	2.6	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)