

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: P1313838

Luminaire Tested: LDSQA3D17R359727DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

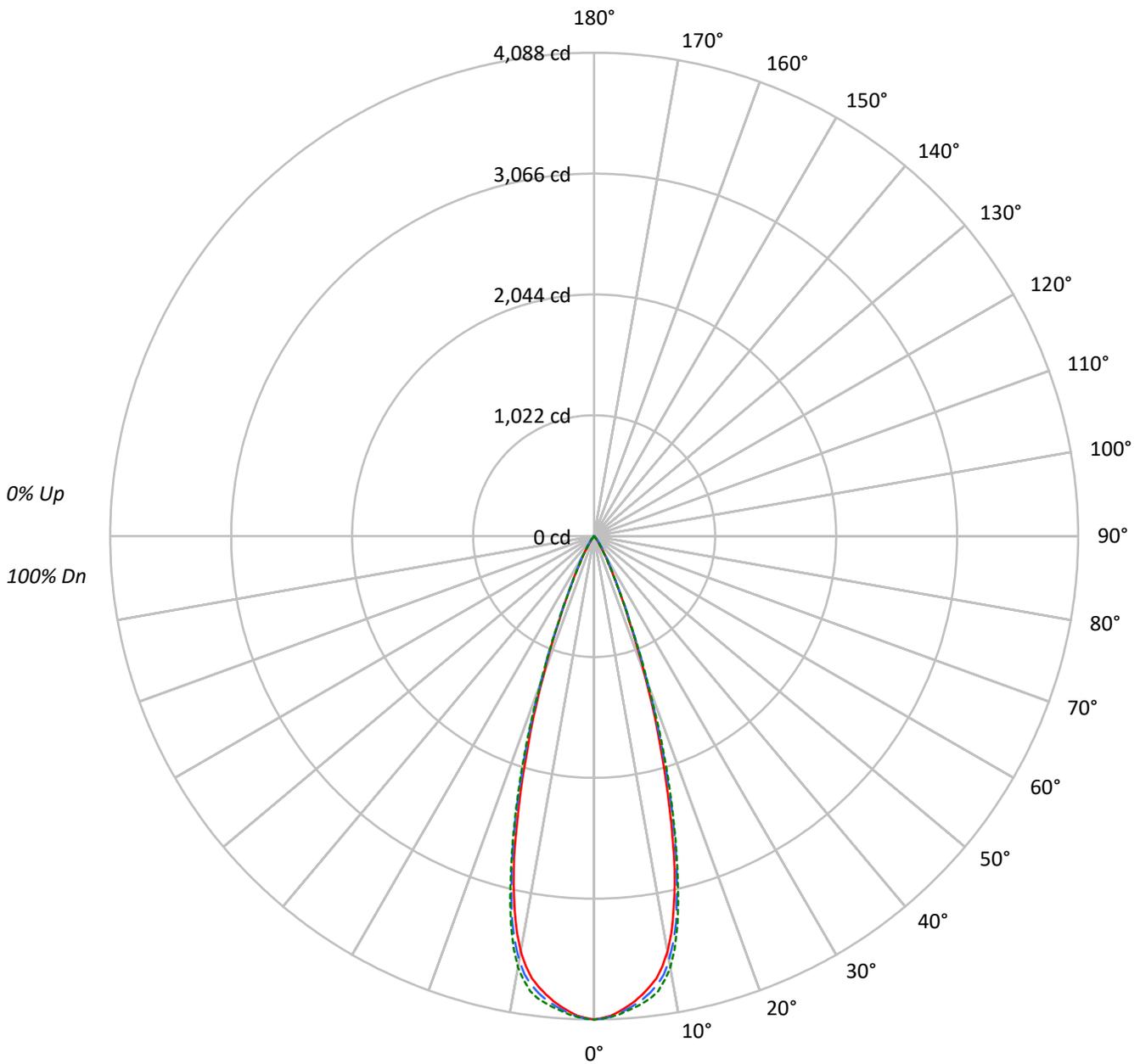
Test Method: LM-79-2019  
Report Number: P1313838  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359727DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1361.0 lumens  
Efficiency: N/A  
Efficacy: 64.2 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
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



— 0°-180°    - - - 45°-225°    - - - - 90°-270°



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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
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	95	94
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93	92	91
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	88	87
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86	85	84
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83	82	81
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80	79	78
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	77	76	75
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	74	73	72
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	71	70	69
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	69	68	67

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

	0°	45°	90°
0°	703994	703994	703994
5°	682636	687477	691211
10°	623795	636998	647928
15°	448598	468193	472044
20°	228380	239853	240439
25°	86652	88495	86025
30°	33648	39017	32793
35°	11563	18123	10870
40°	3867	7037	3642
45°	268	2363	268
50°	0	295	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: 2363 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	370.0	27.2
10°-20°	689.4	50.7
20°-30°	247.8	18.2
30°-40°	48.4	3.6
40°-50°	5.4	0.4
50°-60°	0.0	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°	1307.2	96.0
0°-40°	1355.6	99.6
0°-60°	1361.0	100.0
0°-90°	1361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1361.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4088	4088	4088	4088	4088	
5°	3949	3959	3977	3995	3998	366
15°	2516	2558	2626	2644	2648	669
25°	456	460	466	462	453	239
35°	55	62	86	64	52	41
45°	1	3	10	3	1	3
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°	4087.7	4087.7	4087.7	4087.7	4087.7
1°	4075.8	4081.2	4082.3	4089.8	4081.2
2°	4058.6	4061.8	4066.1	4072.6	4068.3
3°	4025.1	4031.6	4041.3	4049.9	4049.9
4°	3989.6	3998.2	4010.1	4025.1	4024.1
5°	3948.6	3959.4	3976.6	3995.0	3998.2
6°	3896.9	3909.8	3937.8	3963.7	3968.0
7°	3841.9	3861.3	3888.2	3926.0	3935.7
8°	3777.2	3792.3	3831.1	3875.3	3886.1
9°	3682.4	3705.0	3754.6	3795.5	3802.0
10°	3567.0	3583.2	3642.5	3685.6	3705.0
11°	3418.2	3442.0	3500.2	3544.4	3557.3
12°	3228.5	3263.0	3330.9	3363.3	3374.1
13°	3023.7	3052.8	3105.6	3145.5	3154.1
14°	2793.0	2821.1	2876.0	2908.4	2900.8
15°	2516.0	2558.0	2625.9	2644.3	2647.5
17.5°	1858.4	1885.4	1945.7	1974.8	1995.3
20°	1246.1	1272.0	1308.7	1328.1	1311.9
22.5°	757.8	779.4	798.8	797.7	792.3
25°	456.0	460.3	465.7	462.4	452.7
27.5°	266.3	278.1	294.3	283.5	267.3
30°	169.2	178.9	196.2	177.9	164.9
32.5°	89.5	113.2	131.5	106.7	93.8
35°	55.0	62.5	86.2	63.6	51.7
37.5°	33.4	38.8	53.9	37.7	30.2
40°	17.2	24.8	31.3	22.6	16.2
42.5°	5.4	11.9	17.2	10.8	5.4
45°	1.1	3.2	9.7	3.2	1.1
47.5°	0.0	0.0	4.3	1.1	0.0
50°	0.0	0.0	1.1	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)