

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: P1310538

Luminaire Tested: LDSQA3D17R359035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310538  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R359035DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

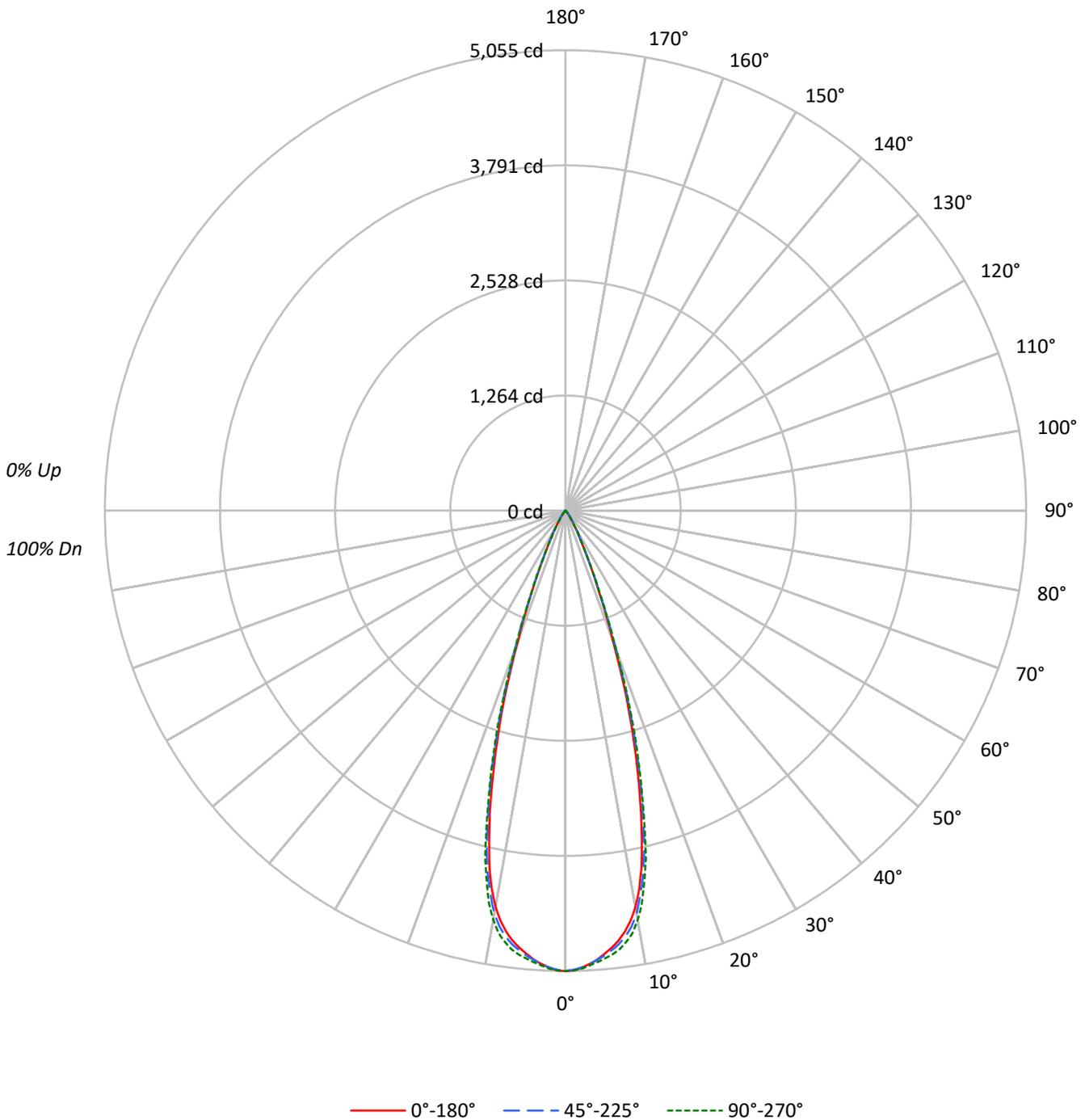
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1698.0 lumens  
Efficiency: N/A  
Efficacy: 80.1 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





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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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	83	81	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	76	73	71	70

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

	0°	45°	90°
0°	870585	870585	870585
5°	844815	847789	853511
10°	772792	786223	798272
15°	554721	575029	580931
20°	279037	295293	296027
25°	105750	109018	109531
30°	42955	49279	42160
35°	15600	23674	15054
40°	6565	10139	6250
45°	1607	4189	1607
50°	1072	1768	1072
55°	1201	1201	1201
60°	1378	1378	1378
65°	1100	1100	1100
70°	655	655	655
75°	865	865	865
80°	1289	1289	1289
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 4189 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	457.0	26.9
10°-20°	851.4	50.1
20°-30°	306.2	18.0
30°-40°	64.3	3.8
40°-50°	11.1	0.7
50°-60°	3.7	0.2
60°-70°	2.7	0.2
70°-80°	1.4	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°	1614.7	95.1
0°-40°	1679.0	98.9
0°-60°	1693.8	99.7
0°-90°	1698.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1698.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5055	5055	5055	5055	5055	
5°	4887	4896	4904	4937	4937	453
15°	3111	3166	3225	3260	3258	828
25°	556	564	574	579	576	296
35°	74	88	113	86	72	56
45°	7	11	17	11	7	8
55°	4	4	4	4	4	4
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5055.0	5055.0	5055.0	5055.0	5055.0
1°	5052.3	5052.3	5041.7	5053.6	5049.7
2°	5024.5	5027.1	5020.5	5035.1	5033.8
3°	4986.1	4992.7	4987.4	5008.6	5002.0
4°	4945.0	4950.3	4947.6	4974.1	4971.5
5°	4886.7	4896.0	4903.9	4937.0	4937.0
6°	4827.1	4836.3	4853.6	4889.3	4901.3
7°	4758.2	4770.1	4797.9	4845.6	4853.6
8°	4670.7	4684.0	4722.4	4774.1	4784.7
9°	4562.1	4581.9	4625.7	4687.9	4694.6
10°	4419.0	4434.9	4495.8	4547.5	4564.7
11°	4233.5	4246.7	4301.0	4384.5	4395.1
12°	4008.2	4024.1	4094.3	4148.7	4159.3
13°	3723.3	3753.8	3838.6	3891.6	3920.7
14°	3430.5	3471.6	3532.5	3608.0	3589.5
15°	3111.2	3165.5	3225.1	3259.6	3258.2
17.5°	2328.1	2359.9	2412.9	2432.7	2459.2
20°	1522.5	1563.5	1611.2	1629.8	1615.2
22.5°	944.7	955.3	969.9	977.9	975.2
25°	556.5	564.5	573.7	579.0	576.4
27.5°	335.2	353.8	367.0	351.1	341.9
30°	216.0	223.9	247.8	226.6	212.0
32.5°	128.5	147.1	167.0	141.8	123.2
35°	74.2	87.5	112.6	86.1	71.6
37.5°	47.7	54.3	72.9	53.0	46.4
40°	29.2	37.1	45.1	34.5	27.8
42.5°	14.6	22.5	26.5	19.9	14.6
45°	6.6	10.6	17.2	10.6	6.6
47.5°	4.0	5.3	10.6	5.3	4.0
50°	4.0	4.0	6.6	4.0	4.0
52.5°	4.0	4.0	4.0	4.0	4.0
55°	4.0	4.0	4.0	4.0	4.0
57.5°	4.0	4.0	4.0	4.0	4.0
60°	4.0	4.0	4.0	4.0	4.0
62.5°	2.7	2.7	2.7	2.7	2.7
65°	2.7	2.7	2.7	2.7	2.7
67.5°	2.7	2.7	2.7	2.7	2.7
70°	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.3	1.3	1.3	1.3	1.3
80°	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	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)