

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: P1310519

Luminaire Tested: LDSQA3D17R309035DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310519  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R309035DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

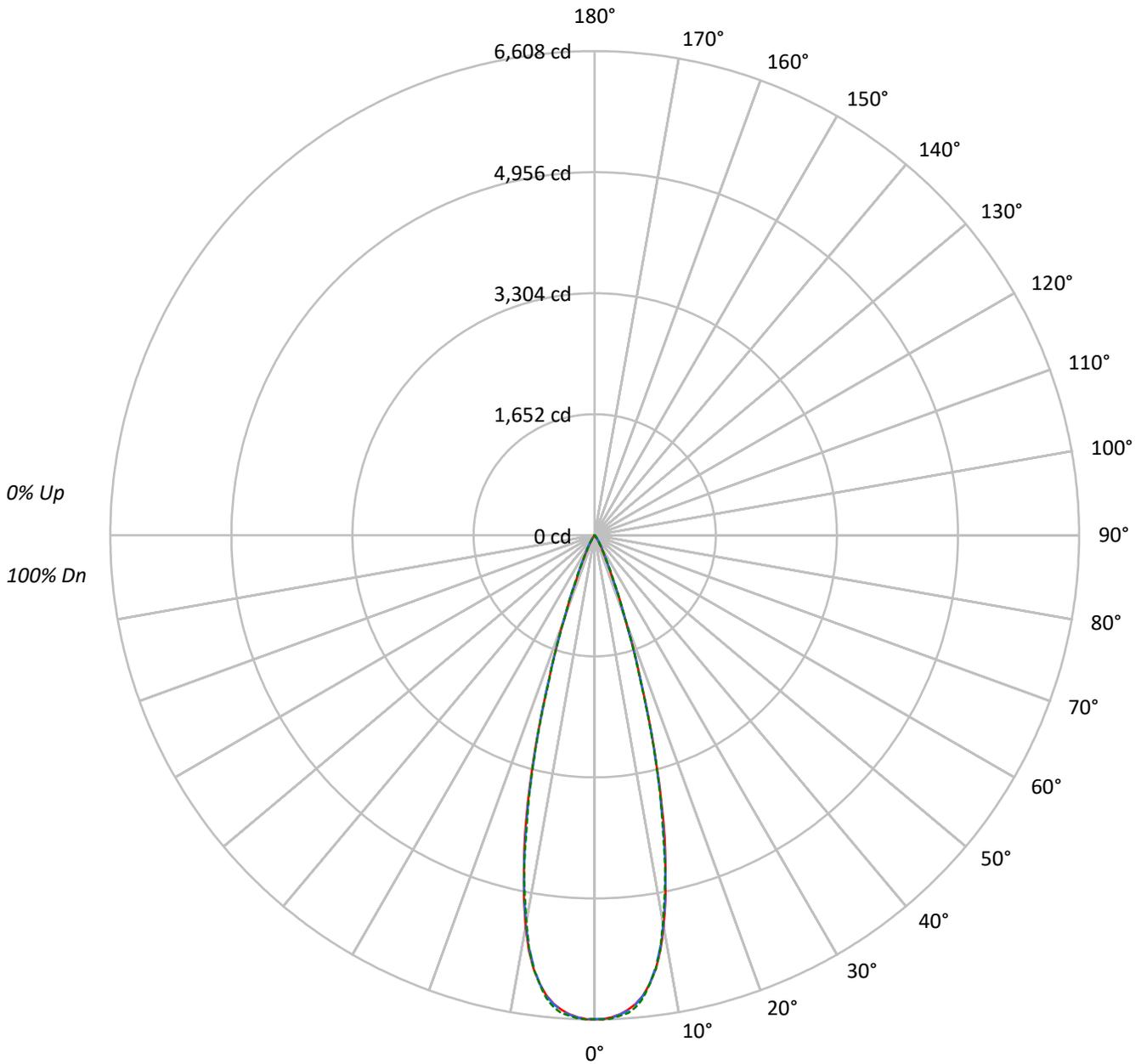
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1704.0 lumens  
Efficiency: N/A  
Efficacy: 80.4 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
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



— 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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99	100	
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95	97	
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92	94	
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89	91	
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86	88	
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84	86	
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81	83	
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79	81	
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77	79	
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75	77	
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73	75	

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

	0°	45°	90°
0°	1137324	1137324	1137324
5°	1109599	1110965	1117154
10°	947672	943265	937704
15°	584817	577971	580093
20°	221030	222240	222002
25°	67992	74547	71013
30°	27404	34782	28458
35°	8073	14759	8368
40°	3282	5958	3282
45°	658	1948	658
50°	0	348	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: 1948 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	582.5	34.2
10°-20°	862.4	50.6
20°-30°	213.9	12.6
30°-40°	40.2	2.4
40°-50°	5.1	0.3
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°	1658.7	97.3
0°-40°	1698.9	99.7
0°-60°	1704.0	100.0
0°-90°	1704.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1704.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6604	6604	6604	6604	6604	
5°	6418	6416	6426	6437	6462	583
15°	3280	3248	3242	3267	3254	867
25°	358	382	392	391	374	206
35°	38	50	70	52	40	32
45°	3	4	8	5	3	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°	6603.8	6603.8	6603.8	6603.8	6603.8
1°	6606.5	6601.2	6601.2	6593.2	6607.8
2°	6582.6	6577.3	6586.6	6579.9	6598.5
3°	6546.8	6540.2	6553.4	6557.4	6566.7
4°	6493.8	6488.5	6503.1	6511.0	6536.2
5°	6418.3	6415.6	6426.2	6436.8	6462.0
6°	6314.9	6310.9	6317.5	6330.8	6346.7
7°	6165.1	6157.2	6162.5	6165.1	6169.1
8°	5975.6	5963.7	5957.1	5971.6	5979.6
9°	5731.8	5718.5	5703.9	5698.6	5717.2
10°	5419.0	5399.1	5393.8	5380.6	5362.0
11°	5055.9	5040.0	5036.0	5012.2	5001.6
12°	4639.8	4631.8	4641.1	4626.5	4621.2
13°	4240.9	4190.5	4183.9	4156.0	4141.5
14°	3769.1	3722.7	3721.3	3706.8	3726.6
15°	3280.0	3248.2	3241.6	3266.8	3253.5
17.5°	2091.3	2112.5	2107.2	2093.9	2071.4
20°	1206.0	1191.4	1212.6	1217.9	1211.3
22.5°	642.8	648.1	652.0	667.9	678.5
25°	357.8	381.7	392.3	391.0	373.7
27.5°	222.6	237.2	257.1	243.8	229.3
30°	137.8	149.8	174.9	151.1	143.1
32.5°	74.2	94.1	112.6	94.1	76.9
35°	38.4	50.4	70.2	51.7	39.8
37.5°	25.2	29.2	45.1	29.2	25.2
40°	14.6	18.6	26.5	18.6	14.6
42.5°	6.6	10.6	14.6	10.6	6.6
45°	2.7	4.0	8.0	5.3	2.7
47.5°	0.0	1.3	4.0	1.3	0.0
50°	0.0	0.0	1.3	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)