

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: P1310991

Luminaire Tested: LDSQA3D02R309040DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310991  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R309040DE010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

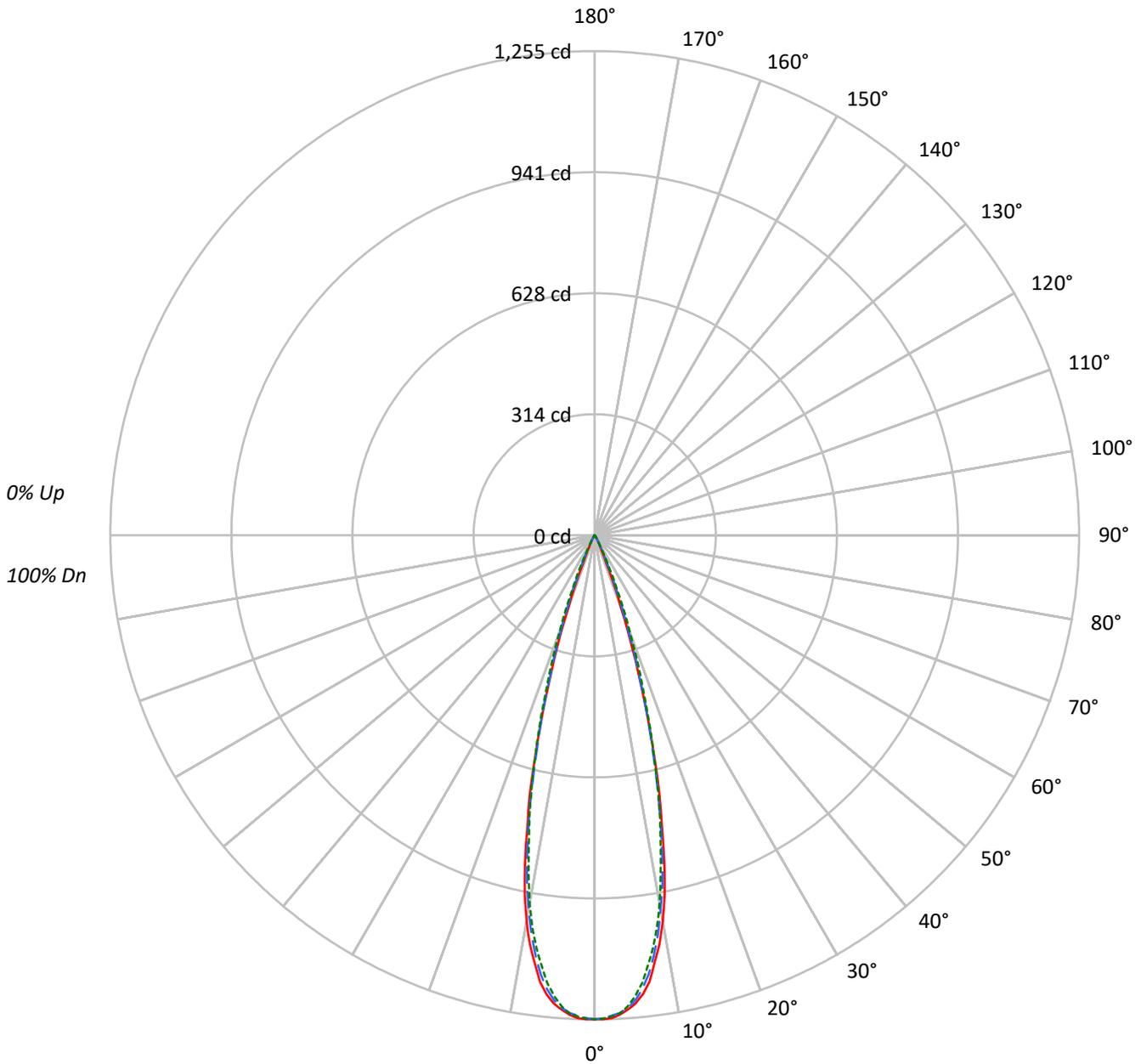
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 304.0 lumens  
Efficiency: N/A  
Efficacy: 84.4 lumens/watt  
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 3.6  
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	99
1	115	113	111	110	113	111	109	108	107	106	105	103	103	102	100	99	99	97	97	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	94	94	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	92	92	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	89	89	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	87	87	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84	84	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	82	82	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	80	80	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	78	78	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	76	76	76

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

	0°	45°	90°
0°	216071	216071	216071
5°	210517	209064	207336
10°	177660	172204	169406
15°	107050	104073	105980
20°	36307	41933	48366
25°	6670	10451	12352
30°	2287	2545	2864
35°	652	820	883
40°	180	292	225
45°	73	73	73
50°	80	0	80
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: 0°  
 Vertical Angle: 52.5°  
 Luminance: 85 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.5	35.7
10°-20°	158.6	52.2
20°-30°	33.5	11.0
30°-40°	3.1	1.0
40°-50°	0.3	0.1
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°	300.6	98.9
0°-40°	303.7	99.9
0°-60°	304.0	100.0
0°-90°	304.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	304.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1255	1255	1255	1255	1255	
5°	1218	1215	1209	1206	1199	110
15°	600	598	584	597	594	158
25°	35	39	55	65	65	26
35°	3	4	4	5	4	3
45°	0	0	0	0	0	0
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°	1254.6	1254.6	1254.6	1254.6	1254.6
1°	1254.9	1253.6	1251.7	1254.4	1252.5
2°	1252.3	1249.1	1246.5	1249.1	1248.3
3°	1244.4	1241.8	1239.9	1241.3	1241.3
4°	1232.6	1229.7	1228.1	1228.4	1224.5
5°	1217.7	1215.3	1209.3	1205.6	1199.3
6°	1195.7	1189.9	1182.5	1176.5	1168.4
7°	1165.8	1156.9	1146.4	1135.9	1125.7
8°	1117.8	1113.6	1099.5	1092.4	1082.2
9°	1072.7	1062.5	1047.3	1035.8	1030.3
10°	1015.9	1000.7	984.7	975.5	968.7
11°	948.5	933.0	920.2	906.8	896.3
12°	869.3	856.2	841.6	832.7	820.3
13°	775.5	773.7	757.2	754.3	752.7
14°	695.1	687.7	671.5	675.9	677.0
15°	600.4	598.3	583.7	597.3	594.4
17.5°	376.1	376.9	386.1	407.5	414.4
20°	198.1	204.2	228.8	254.8	263.9
22.5°	80.2	93.6	118.7	136.3	148.1
25°	35.1	39.3	55.0	64.7	65.0
27.5°	19.9	20.2	26.5	27.5	28.0
30°	11.5	11.8	12.8	13.6	14.4
32.5°	6.3	6.8	7.1	8.1	8.1
35°	3.1	3.9	3.9	4.7	4.2
37.5°	1.8	2.1	2.4	2.4	2.1
40°	0.8	1.0	1.3	1.3	1.0
42.5°	0.3	0.5	0.5	0.5	0.8
45°	0.3	0.3	0.3	0.3	0.3
47.5°	0.3	0.3	0.0	0.3	0.3
50°	0.3	0.0	0.0	0.0	0.3
52.5°	0.3	0.0	0.0	0.0	0.3
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)