

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: P1316053

Luminaire Tested: LDSQA3D02R159740DE010 3LSQPHR1MB

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316053  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D02R159740DE010 3LSQPHR1MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQPHR1MB TRIM  
Light Source: -  
Ballast/Driver: -

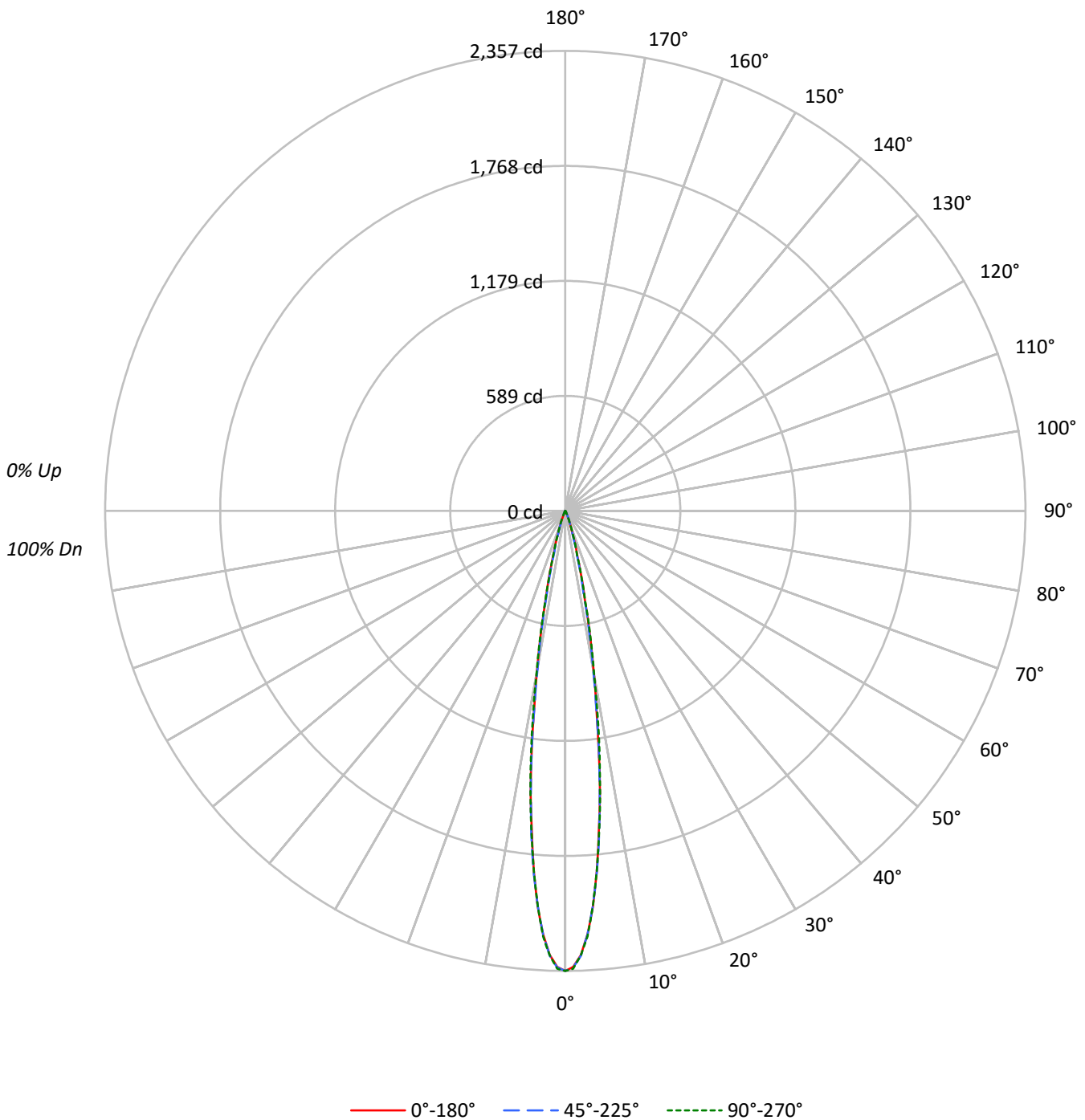
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 236.0 lumens  
Efficiency: N/A  
Efficacy: 65.6 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28  
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 (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		0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102		100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100		98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98		97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96		95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94		93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93		92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91		91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90		89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89		88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87		87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86		86

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

	0°	45°	90°
0°	405912	405912	405912
5°	320192	321039	319898
10°	146479	142649	149574
15°	43558	38887	42667
20°	12939	12536	13581
25°	3687	4751	4257
30°	1313	1412	1273
35°	505	442	442
40°	202	112	157
45°	122	49	122
50°	54	0	54
55°	60	0	60
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: 47.5°  
 Luminance: 127 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.4	60.3
10°-20°	79.1	33.5
20°-30°	12.6	5.3
30°-40°	1.6	0.7
40°-50°	0.2	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°	234.0	99.2
0°-40°	235.7	99.9
0°-60°	236.0	100.0
0°-90°	236.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	236.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2357	2357	2357	2357	2357	
5°	1852	1868	1857	1849	1850	142
15°	244	241	218	232	239	81
25°	19	22	25	25	22	12
35°	2	2	2	2	2	2
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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2356.9	2356.9	2356.9	2356.9	2356.9	2356.9	2356.9	2356.9	2356.9	2356.9	2356.9
1°	2336.6	2339.2	2342.5	2339.5	2336.6	2339.2	2335.7	2336.2	2333.3	2339.5	2346.3
2°	2277.1	2280.5	2278.6	2274.3	2280.9	2281.4	2274.1	2270.5	2270.1	2276.2	2278.6
3°	2171.9	2179.4	2179.7	2178.3	2176.1	2171.9	2164.3	2169.3	2162.4	2158.2	2182.3
4°	2031.9	2038.5	2046.3	2041.1	2025.5	2027.0	2031.9	2015.2	2016.1	2025.8	2026.5
5°	1852.1	1872.1	1873.1	1865.8	1853.5	1857.0	1853.5	1848.8	1850.4	1856.6	1850.4
6°	1640.4	1663.0	1646.3	1662.3	1658.8	1663.3	1664.4	1659.5	1663.0	1659.2	1658.1
7°	1457.4	1440.2	1442.6	1436.0	1443.0	1447.8	1450.6	1442.1	1448.9	1459.8	1462.9
8°	1230.6	1225.7	1220.7	1232.5	1229.2	1234.9	1238.4	1247.9	1247.4	1250.7	1261.5
9°	1014.7	1022.0	1026.5	1016.1	1025.0	1007.6	1013.7	1039.0	1032.4	1039.0	1058.3
10°	837.6	843.5	836.9	836.7	827.3	815.7	815.0	824.4	844.3	859.8	855.3
12.5°	462.1	467.3	468.0	467.6	450.6	431.4	435.0	442.5	454.8	460.0	468.5
15°	244.3	244.0	246.6	239.3	230.4	218.1	219.0	229.4	238.6	241.0	239.3
17.5°	125.3	125.8	127.7	125.8	116.4	117.5	120.1	121.3	126.7	128.9	127.7
20°	70.6	70.8	70.6	71.3	67.5	68.4	71.8	72.0	73.2	74.3	74.1
22.5°	40.4	40.6	42.0	41.5	40.6	41.8	42.5	43.7	44.1	43.7	45.1
25°	19.4	19.6	19.6	22.4	23.8	25.0	25.5	25.0	24.5	22.7	22.4
27.5°	11.1	11.1	11.6	11.8	12.3	14.4	14.2	11.8	9.9	9.9	10.1
30°	6.6	6.4	6.4	6.6	6.8	7.1	6.6	6.4	6.4	6.6	6.4
32.5°	4.0	4.0	4.0	3.8	3.8	3.5	3.5	4.0	4.0	4.0	4.0
35°	2.4	2.4	2.4	2.4	2.1	2.1	2.1	2.4	2.4	2.1	2.1
37.5°	1.4	1.4	1.4	1.2	1.2	0.9	1.2	1.2	1.2	1.2	1.2
40°	0.9	0.9	0.7	0.7	0.5	0.5	0.5	0.7	0.7	0.7	0.7
42.5°	0.7	0.7	0.5	0.5	0.2	0.2	0.2	0.5	0.5	0.5	0.5
45°	0.5	0.5	0.5	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5
47.5°	0.5	0.5	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.2	0.2
50°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
52.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
55°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)