

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: P1315294

Luminaire Tested: LDSQA3D05R309735DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

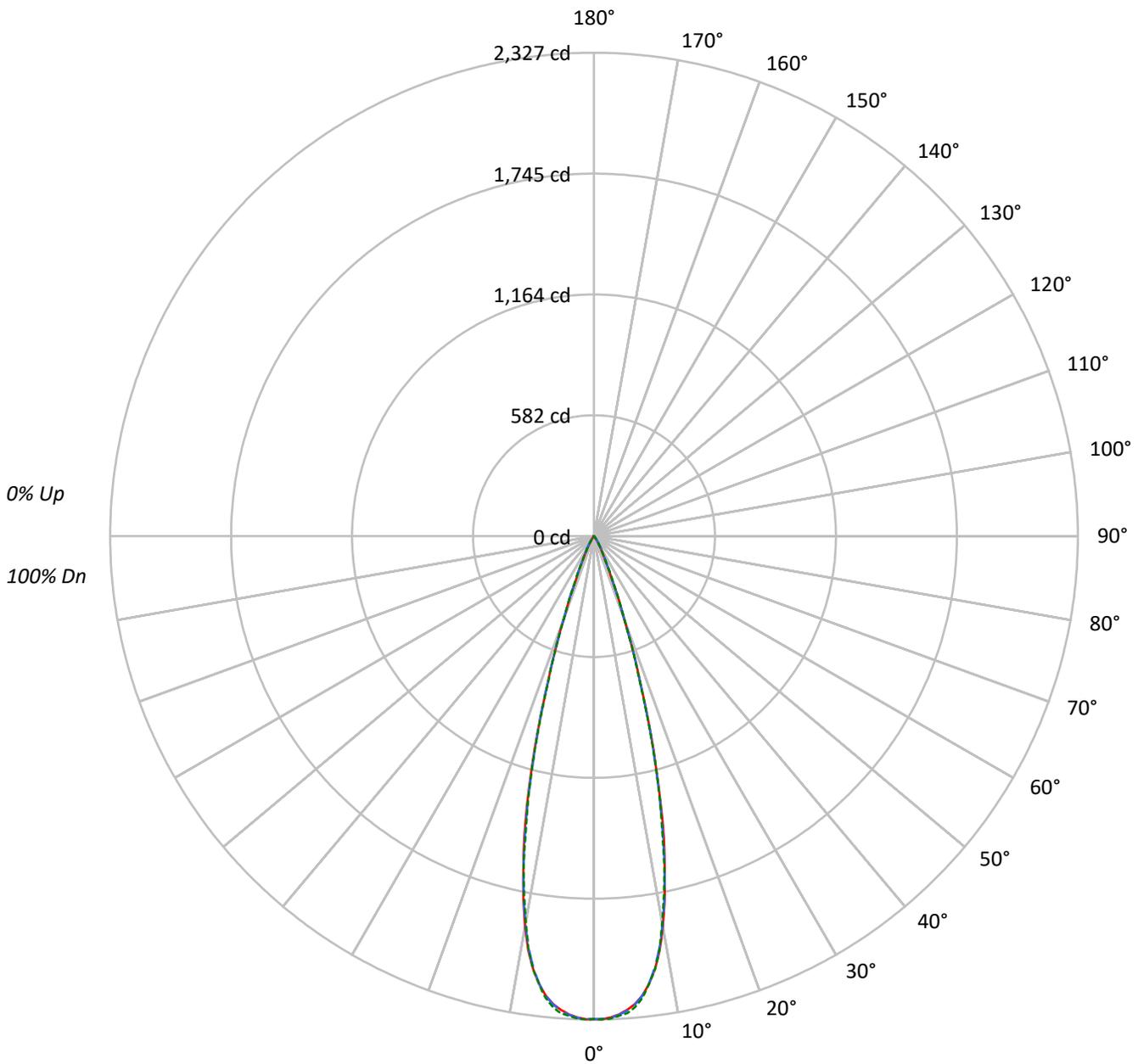
Test Method: LM-79-2019  
Report Number: P1315294  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R309735DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 600.0 lumens  
Efficiency: N/A  
Efficacy: 83.3 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): 7.2  
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	102	102	102	100
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	99	99	99	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	92	92	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	89	89	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	87	87	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	84	84	84	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	82	82	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	80	80	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	78	78	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	76	76	76	75

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

	0°	45°	90°
0°	400469	400469	400469
5°	390710	391194	393372
10°	333687	332131	330172
15°	205916	203509	204258
20°	77819	78259	78167
25°	23943	26243	25008
30°	9645	12250	10023
35°	2838	5193	2943
40°	1147	2091	1147
45°	219	682	219
50°	0	134	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: 682 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.1	34.2
10°-20°	303.7	50.6
20°-30°	75.3	12.6
30°-40°	14.1	2.4
40°-50°	1.8	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°	584.1	97.3
0°-40°	598.2	99.7
0°-60°	600.0	100.0
0°-90°	600.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	600.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2325	2325	2325	2325	2325	
5°	2260	2259	2263	2266	2275	205
15°	1155	1144	1141	1150	1146	305
25°	126	134	138	138	132	73
35°	14	18	25	18	14	11
45°	1	1	3	2	1	1
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°	2325.3	2325.3	2325.3	2325.3	2325.3
1°	2326.2	2324.3	2324.3	2321.5	2326.7
2°	2317.8	2315.9	2319.2	2316.9	2323.4
3°	2305.2	2302.9	2307.5	2308.9	2312.2
4°	2286.6	2284.7	2289.8	2292.6	2301.5
5°	2260.0	2259.0	2262.8	2266.5	2275.4
6°	2223.6	2222.2	2224.5	2229.2	2234.8
7°	2170.8	2168.0	2169.9	2170.8	2172.2
8°	2104.1	2099.9	2097.6	2102.7	2105.5
9°	2018.2	2013.6	2008.4	2006.6	2013.1
10°	1908.1	1901.1	1899.2	1894.6	1888.0
11°	1780.2	1774.6	1773.2	1764.8	1761.1
12°	1633.7	1630.9	1634.2	1629.1	1627.2
13°	1493.3	1475.5	1473.2	1463.4	1458.3
14°	1327.1	1310.8	1310.3	1305.2	1312.2
15°	1154.9	1143.7	1141.4	1150.3	1145.6
17.5°	736.4	743.8	742.0	737.3	729.4
20°	424.6	419.5	427.0	428.8	426.5
22.5°	226.3	228.2	229.6	235.2	238.9
25°	126.0	134.4	138.1	137.7	131.6
27.5°	78.4	83.5	90.5	85.9	80.7
30°	48.5	52.7	61.6	53.2	50.4
32.5°	26.1	33.1	39.7	33.1	27.1
35°	13.5	17.7	24.7	18.2	14.0
37.5°	8.9	10.3	15.9	10.3	8.9
40°	5.1	6.5	9.3	6.5	5.1
42.5°	2.3	3.7	5.1	3.7	2.3
45°	0.9	1.4	2.8	1.9	0.9
47.5°	0.0	0.5	1.4	0.5	0.0
50°	0.0	0.0	0.5	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)