

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: P1318062

Luminaire Tested: LDSQA3D05R309830DE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

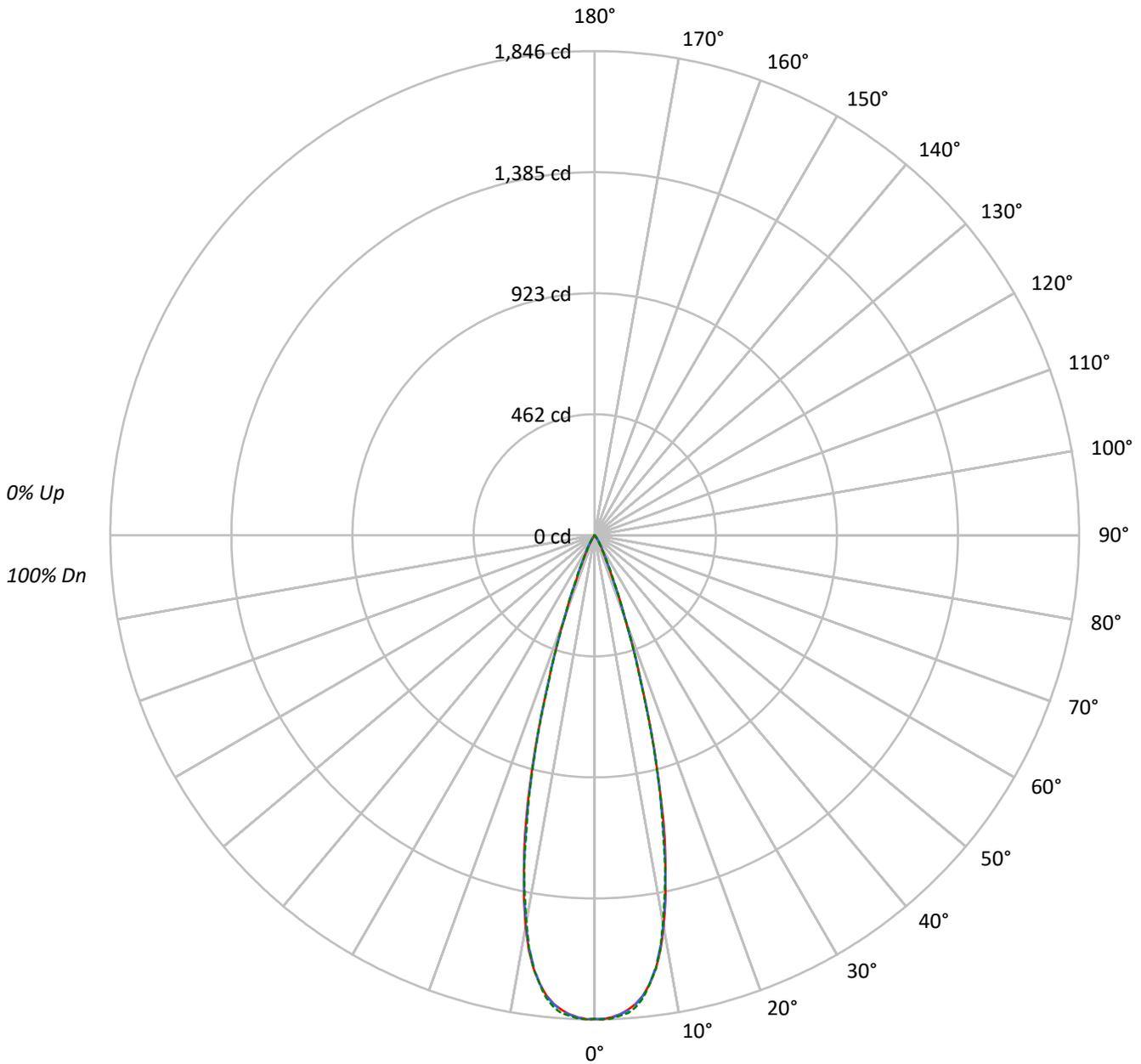
Test Method: LM-79-2019  
Report Number: P1318062  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R309830DE010 3LSQCDR1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 476.0 lumens  
Efficiency: N/A  
Efficacy: 66.1 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
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	102	101	100	99	99	97	97	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	91	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	88	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	86	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	83	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	81	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	79	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	75	75

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

	0°	45°	90°
0°	317699	317699	317699
5°	309957	310338	312067
10°	264733	263491	261934
15°	163374	161449	162037
20°	61746	62075	62020
25°	19003	20827	19839
30°	7656	9725	7955
35°	2250	4121	2334
40°	922	1664	922
45°	170	536	170
50°	0	107	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: 536 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.7	34.2
10°-20°	240.9	50.6
20°-30°	59.7	12.6
30°-40°	11.2	2.4
40°-50°	1.4	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°	463.4	97.3
0°-40°	474.6	99.7
0°-60°	476.0	100.0
0°-90°	476.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	476.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1845	1845	1845	1845	1845	
5°	1793	1792	1795	1798	1805	163
15°	916	907	906	913	909	242
25°	100	107	110	109	104	58
35°	11	14	20	14	11	9
45°	1	1	2	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°	1844.7	1844.7	1844.7	1844.7	1844.7
1°	1845.5	1844.0	1844.0	1841.8	1845.8
2°	1838.8	1837.3	1839.9	1838.1	1843.2
3°	1828.8	1827.0	1830.7	1831.8	1834.4
4°	1814.0	1812.5	1816.6	1818.8	1825.8
5°	1792.9	1792.2	1795.1	1798.1	1805.1
6°	1764.0	1762.9	1764.8	1768.5	1772.9
7°	1722.2	1720.0	1721.4	1722.2	1723.3
8°	1669.2	1665.9	1664.1	1668.1	1670.4
9°	1601.1	1597.4	1593.4	1591.9	1597.1
10°	1513.8	1508.2	1506.7	1503.0	1497.8
11°	1412.3	1407.9	1406.8	1400.1	1397.1
12°	1296.1	1293.9	1296.5	1292.4	1290.9
13°	1184.7	1170.6	1168.7	1161.0	1156.9
14°	1052.9	1039.9	1039.5	1035.5	1041.0
15°	916.3	907.4	905.5	912.6	908.8
17.5°	584.2	590.1	588.6	584.9	578.6
20°	336.9	332.8	338.7	340.2	338.4
22.5°	179.5	181.0	182.1	186.6	189.5
25°	100.0	106.6	109.6	109.2	104.4
27.5°	62.2	66.3	71.8	68.1	64.0
30°	38.5	41.8	48.9	42.2	40.0
32.5°	20.7	26.3	31.5	26.3	21.5
35°	10.7	14.1	19.6	14.4	11.1
37.5°	7.0	8.1	12.6	8.1	7.0
40°	4.1	5.2	7.4	5.2	4.1
42.5°	1.9	3.0	4.1	3.0	1.9
45°	0.7	1.1	2.2	1.5	0.7
47.5°	0.0	0.4	1.1	0.4	0.0
50°	0.0	0.0	0.4	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)