

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: P1307789

Luminaire Tested: LDSQA3D05R259027DE010 3LSQPHR1MW

Issue Date: 1/29/2026

**Test Information**

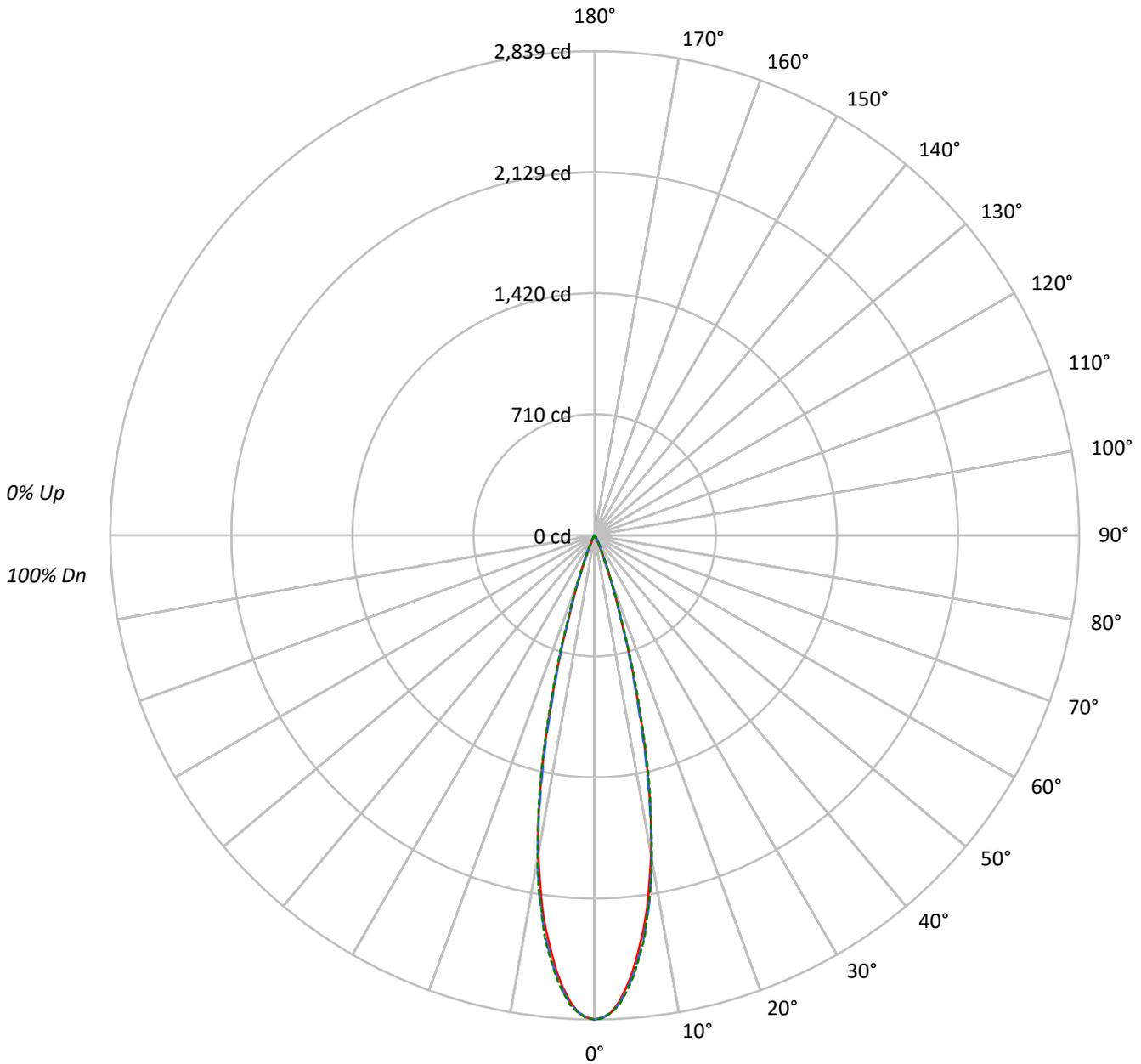
Test Method: LM-79-2019  
Report Number: P1307789  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R259027DE010 3LSQPHR1MW  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , 3LSQPHR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 524.0 lumens  
Efficiency: N/A  
Efficacy: 72.8 lumens/watt  
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.4  
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 (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% Up  
100% Dn

— 0°-180°    - - 45°-225°    - - - 90°-270°



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									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	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	100	99	97	97	96	95	95	94	93	93	91	89	88															
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97	97	96	95	94	93	92	91	91	89	87	86	85																
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	95	94	93	92	91	90	89	88	87	86	85	84	83																
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93	92	91	90	89	88	87	86	85	84	83	82	81																
4	106	101	98	95	105	100	97	95	99	96	94	97	94	93	95	93	92	91	90	89	88	87	86	85	84	83	82	81	80	79																
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88	87	86	85	84	83	82	81	80	79	78	77	76																
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	86	85	84	83	82	81	80	79	78	77	76	75	74																
7	99	93	89	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73																
8	97	91	87	85	96	90	87	85	90	86	84	89	86	84	88	85	84	83	82	81	80	79	78	77	76	75	74	73	72	71																
9	95	89	85	83	94	88	85	83	88	85	82	87	84	82	86	84	82	81	80	79	78	77	76	75	74	73	72	71	70	69																
10	93	87	83	81	92	86	83	81	86	83	81	85	82	80	85	82	80	79	78	77	76	75	74	73	72	71	70	69	68	67																

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

	0°	45°	90°
0°	488992	488992	488992
5°	443127	447155	449351
10°	333128	335489	337045
15°	164943	160022	170685
20°	46589	47358	47872
25°	8076	15278	9596
30°	3162	3261	3341
35°	988	1072	1072
40°	315	427	315
45°	219	122	219
50°	134	0	134
55°	150	0	150
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: 45°  
 Luminance: 219 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.6	43.0
10°-20°	254.4	48.5
20°-30°	39.5	7.5
30°-40°	4.0	0.8
40°-50°	0.5	0.1
50°-60°	0.1	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°	519.4	99.1
0°-40°	523.4	99.9
0°-60°	524.0	100.0
0°-90°	524.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	524.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2839	2839	2839	2839	2839	
5°	2563	2568	2586	2597	2599	223
15°	925	919	898	938	957	253
25°	42	63	80	61	50	36
35°	5	5	5	6	5	4
45°	1	0	0	0	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°	2839.3	2839.3	2839.3	2839.3	2839.3
1°	2827.6	2831.4	2827.2	2831.8	2831.4
2°	2798.2	2801.9	2796.8	2799.6	2799.6
3°	2737.9	2745.9	2750.5	2753.8	2756.6
4°	2658.5	2667.4	2674.4	2682.8	2682.8
5°	2563.2	2567.8	2586.5	2596.8	2599.2
6°	2449.6	2468.3	2482.3	2502.9	2490.3
7°	2336.1	2351.5	2371.1	2374.4	2383.3
8°	2207.2	2223.5	2241.7	2238.5	2231.0
9°	2050.2	2074.0	2095.5	2088.5	2097.8
10°	1904.9	1919.3	1918.4	1911.4	1927.3
11°	1736.2	1739.5	1721.2	1749.7	1732.5
12°	1536.2	1539.0	1515.7	1543.7	1561.5
13°	1344.7	1338.1	1305.9	1342.8	1365.2
14°	1124.1	1126.5	1085.4	1156.8	1151.2
15°	925.1	918.6	897.5	937.7	957.3
17.5°	492.9	497.1	492.0	512.1	524.7
20°	254.2	261.2	258.4	266.8	261.2
22.5°	131.8	141.6	144.4	137.8	120.1
25°	42.5	63.1	80.4	61.2	50.5
27.5°	25.7	25.2	39.2	27.1	27.6
30°	15.9	15.4	16.4	16.4	16.8
32.5°	8.9	9.3	8.9	9.8	9.3
35°	4.7	5.1	5.1	5.6	5.1
37.5°	2.8	3.3	3.3	3.3	2.8
40°	1.4	1.9	1.9	1.4	1.4
42.5°	0.9	0.9	0.9	0.9	0.9
45°	0.9	0.5	0.5	0.5	0.9
47.5°	0.5	0.5	0.0	0.5	0.5
50°	0.5	0.5	0.0	0.5	0.5
52.5°	0.5	0.0	0.0	0.0	0.5
55°	0.5	0.0	0.0	0.0	0.5
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)