

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: P1309572

Luminaire Tested: LDSQA3D20R359030D010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309572  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R359030D010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

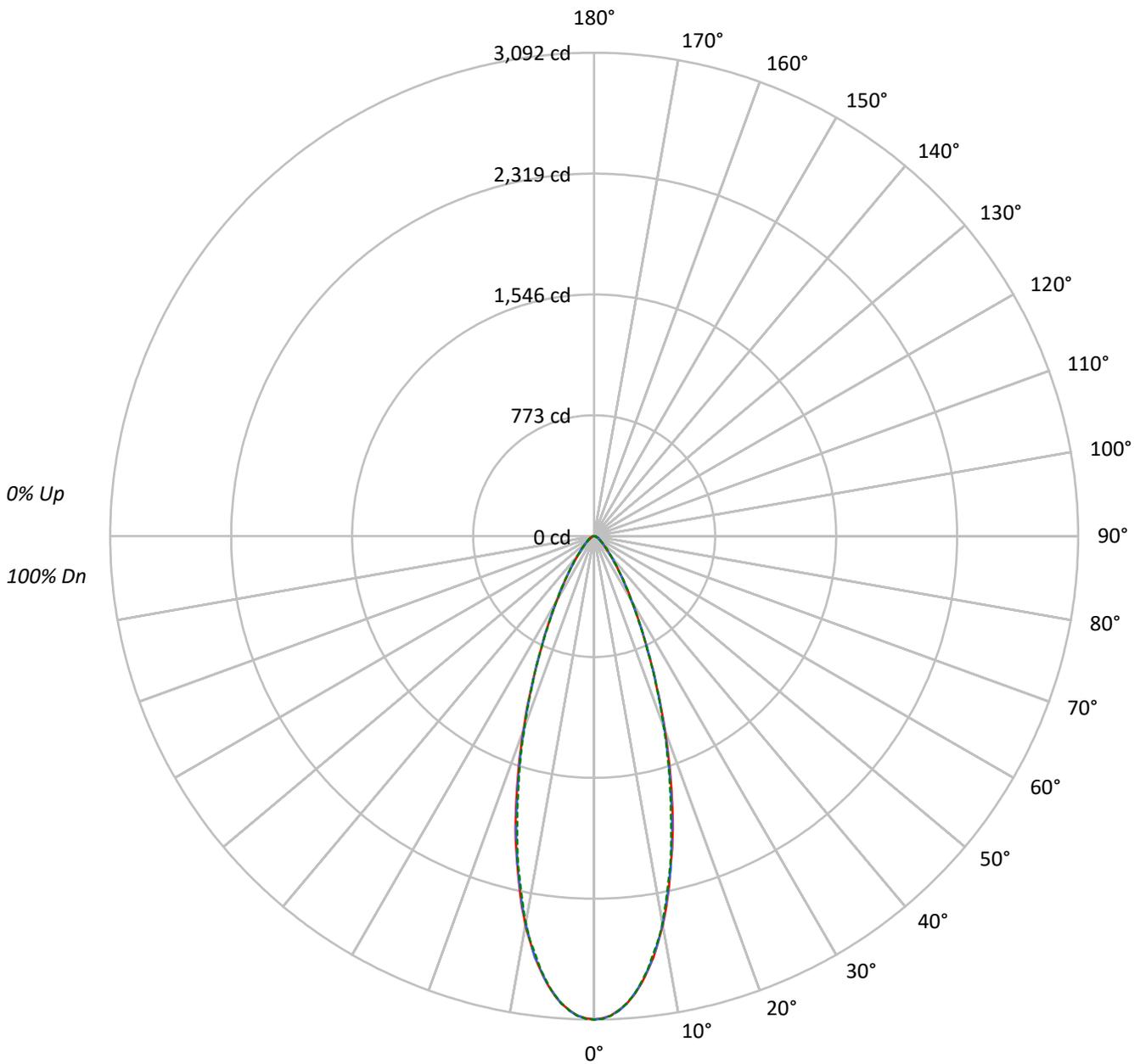
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1525.0 lumens  
Efficiency: N/A  
Efficacy: 53.0 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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	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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	95	95	94	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	83	83	82	82
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	78	78	77	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	74	74	73	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	70	70	69	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	66	66	65	65
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	63	63	62	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	60	60	59	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	57	57	56	56

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

	0°	45°	90°
0°	532547	532547	532547
5°	508874	508009	508874
10°	441780	440294	439699
15°	346166	343455	338035
20°	242180	240018	238460
25°	153808	154777	153808
30°	94759	95436	94759
35°	58616	58974	58974
40°	37230	37613	37613
45°	25111	25525	25939
50°	18112	18568	18568
55°	14202	14202	14202
60°	11642	11642	11642
65°	10310	10310	10310
70°	9366	9366	9366
75°	7852	7852	7852
80°	6744	6744	6744
85°	3359	3359	6719

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 25939 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	267.2	17.5
10°-20°	526.2	34.5
20°-30°	379.6	24.9
30°-40°	183.0	12.0
40°-50°	84.4	5.5
50°-60°	43.7	2.9
60°-70°	25.2	1.7
70°-80°	12.7	0.8
80°-90°	3.0	0.2
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°	1173.0	76.9
0°-40°	1356.1	88.9
0°-60°	1484.1	97.3
0°-90°	1525.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1525.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3092	3092	3092	3092	3092	
5°	2944	2950	2938	2940	2944	267
15°	1942	1938	1926	1918	1896	529
25°	809	811	814	814	809	380
35°	279	279	280	280	280	182
45°	103	105	105	106	106	83
55°	47	47	47	47	47	43
65°	25	25	25	25	25	25
75°	12	12	12	12	12	13
85°	2	2	2	2	3	3
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3092.2	3092.2	3092.2	3092.2	3092.2
1°	3083.8	3088.9	3087.2	3088.9	3087.2
2°	3068.6	3072.0	3068.6	3070.3	3070.3
3°	3036.5	3039.8	3039.8	3038.2	3036.5
4°	2997.6	3006.1	2997.6	2999.3	2994.2
5°	2943.5	2950.3	2938.5	2940.2	2943.5
6°	2877.6	2879.3	2875.9	2874.3	2870.9
7°	2801.6	2808.4	2796.5	2798.2	2794.8
8°	2720.5	2718.8	2718.8	2712.0	2701.9
9°	2622.5	2629.2	2619.1	2615.7	2617.4
10°	2526.2	2526.2	2517.7	2509.3	2514.3
11°	2416.3	2413.0	2407.9	2396.1	2392.7
12°	2296.4	2303.1	2287.9	2282.8	2271.0
13°	2173.0	2183.1	2176.4	2157.8	2159.5
14°	2058.1	2051.3	2046.3	2042.9	2031.1
15°	1941.5	1938.1	1926.3	1917.9	1895.9
17.5°	1622.2	1625.5	1603.6	1600.2	1591.7
20°	1321.4	1311.2	1309.6	1311.2	1301.1
22.5°	1042.6	1052.7	1040.9	1042.6	1035.8
25°	809.4	811.1	814.5	814.5	809.4
27.5°	628.6	628.6	625.2	628.6	623.5
30°	476.5	476.5	479.9	483.3	476.5
32.5°	368.4	368.4	368.4	370.1	371.7
35°	278.8	278.8	280.5	280.5	280.5
37.5°	214.6	216.3	218.0	218.0	218.0
40°	165.6	167.3	167.3	169.0	167.3
42.5°	131.8	131.8	131.8	133.5	133.5
45°	103.1	104.8	104.8	106.5	106.5
47.5°	84.5	84.5	84.5	86.2	86.2
50°	67.6	69.3	69.3	69.3	69.3
52.5°	55.8	55.8	57.5	57.5	57.5
55°	47.3	47.3	47.3	47.3	47.3
57.5°	38.9	40.6	40.6	40.6	40.6
60°	33.8	33.8	33.8	33.8	33.8
62.5°	28.7	28.7	28.7	28.7	28.7
65°	25.3	25.3	25.3	25.3	25.3
67.5°	20.3	22.0	22.0	22.0	22.0
70°	18.6	18.6	18.6	18.6	18.6
72.5°	13.5	15.2	15.2	15.2	15.2
75°	11.8	11.8	11.8	11.8	11.8
77.5°	10.1	8.4	8.4	8.4	10.1
80°	6.8	6.8	6.8	6.8	6.8
82.5°	5.1	5.1	5.1	5.1	5.1
85°	1.7	1.7	1.7	1.7	3.4
87.5°	0.0	0.0	0.0	1.7	1.7



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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)