

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: P1311802

Luminaire Tested: LDSQA3D20R359040D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311802  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-37)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R359040D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

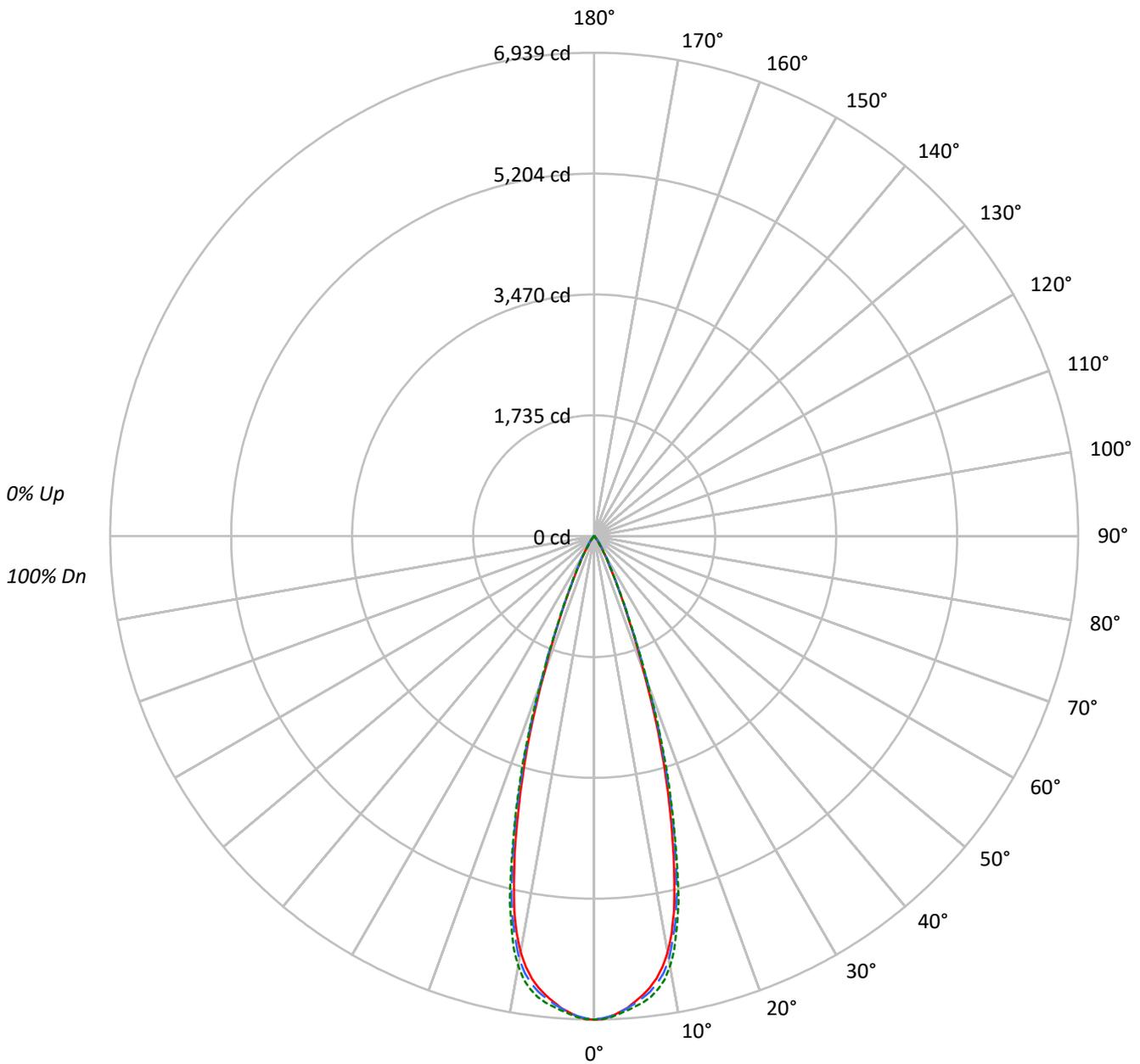
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2331.0 lumens  
Efficiency: N/A  
Efficacy: 80.9 lumens/watt  
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52  
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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	98	96
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	94	94	94	93
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	94	92	90	89
4	103	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	91	89	87	86
5	100	94	90	86	99	93	89	86	91	88	85	90	87	85	89	86	84	89	86	84	83
6	97	90	86	83	96	90	86	83	88	85	82	87	84	82	86	83	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	83	81	78	77
8	91	84	80	77	90	84	79	77	83	79	76	82	78	76	81	78	76	81	78	76	75
9	88	81	77	74	88	81	77	74	80	76	74	79	76	74	79	76	73	79	76	73	72
10	86	79	75	72	85	78	74	72	78	74	71	77	74	71	76	73	71	76	73	71	70

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

	0°	45°	90°
0°	1195122	1195122	1195122
5°	1159752	1163849	1171698
10°	1060871	1079321	1095865
15°	761511	789397	797509
20°	383046	405387	406377
25°	145180	149665	150368
30°	58964	67634	57870
35°	21424	32504	20646
40°	8993	13894	8588
45°	2216	5748	2216
50°	1474	2438	1474
55°	1651	1651	1651
60°	1894	1894	1894
65°	1467	1467	1467
70°	906	906	906
75°	1198	1198	1198
80°	1785	1785	1785
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 5748 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	627.4	26.9
10°-20°	1168.9	50.1
20°-30°	420.4	18.0
30°-40°	88.3	3.8
40°-50°	15.2	0.7
50°-60°	5.0	0.2
60°-70°	3.6	0.2
70°-80°	1.9	0.1
80°-90°	0.3	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°	2216.7	95.1
0°-40°	2305.0	98.9
0°-60°	2325.2	99.8
0°-90°	2331.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2331.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6939	6939	6939	6939	6939	
5°	6708	6721	6732	6778	6778	622
15°	4271	4346	4427	4475	4473	1137
25°	764	775	788	795	791	406
35°	102	120	155	118	98	77
45°	9	15	24	15	9	11
55°	6	6	6	6	6	5
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6939.4	6939.4	6939.4	6939.4	6939.4
1°	6935.8	6935.8	6921.2	6937.6	6932.1
2°	6897.6	6901.2	6892.1	6912.1	6910.3
3°	6844.8	6853.9	6846.6	6875.8	6866.7
4°	6788.4	6795.7	6792.1	6828.5	6824.8
5°	6708.4	6721.1	6732.1	6777.5	6777.5
6°	6626.6	6639.3	6662.9	6712.0	6728.4
7°	6532.0	6548.3	6586.5	6652.0	6662.9
8°	6411.9	6430.1	6482.9	6553.8	6568.3
9°	6262.8	6290.0	6350.1	6435.6	6444.7
10°	6066.3	6088.1	6171.8	6242.7	6266.4
11°	5811.6	5829.8	5904.4	6019.0	6033.6
12°	5502.4	5524.2	5620.7	5695.2	5709.8
13°	5111.3	5153.2	5269.6	5342.4	5382.4
14°	4709.3	4765.7	4849.4	4953.1	4927.6
15°	4271.0	4345.5	4427.4	4474.7	4472.9
17.5°	3196.0	3239.6	3312.4	3339.7	3376.0
20°	2090.0	2146.4	2211.9	2237.3	2217.3
22.5°	1296.9	1311.5	1331.5	1342.4	1338.8
25°	764.0	774.9	787.6	794.9	791.3
27.5°	460.2	485.7	503.9	482.0	469.3
30°	296.5	307.4	340.1	311.0	291.0
32.5°	176.4	201.9	229.2	194.6	169.2
35°	101.9	120.1	154.6	118.2	98.2
37.5°	65.5	74.6	100.0	72.8	63.7
40°	40.0	50.9	61.8	47.3	38.2
42.5°	20.0	30.9	36.4	27.3	20.0
45°	9.1	14.6	23.6	14.6	9.1
47.5°	5.5	7.3	14.6	7.3	5.5
50°	5.5	5.5	9.1	5.5	5.5
52.5°	5.5	5.5	5.5	5.5	5.5
55°	5.5	5.5	5.5	5.5	5.5
57.5°	5.5	5.5	5.5	5.5	5.5
60°	5.5	5.5	5.5	5.5	5.5
62.5°	3.6	3.6	3.6	3.6	3.6
65°	3.6	3.6	3.6	3.6	3.6
67.5°	3.6	3.6	3.6	3.6	3.6
70°	1.8	1.8	1.8	1.8	1.8
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8
80°	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	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)