

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: P1313356

Luminaire Tested: LDSQA3D05R309727DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

**Test Information**

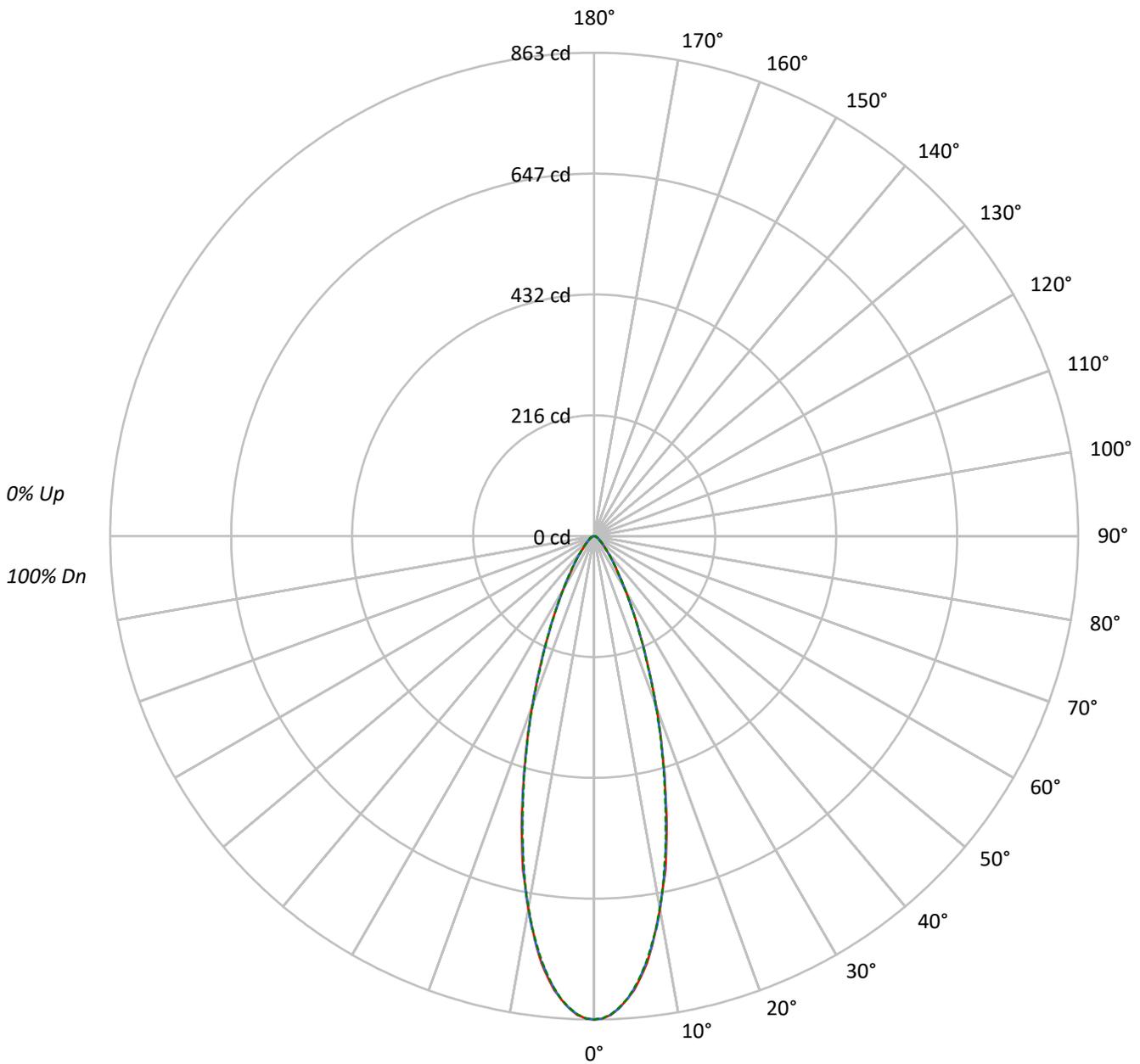
Test Method: LM-79-2019  
Report Number: P1313356  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R309727DE010 3LSQPHRL1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQPHRL1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 379.0 lumens  
Efficiency: N/A  
Efficacy: 52.6 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57  
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°-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	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	59	58

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

	0°	45°	90°
0°	148628	148628	148628
5°	140707	140344	140275
10°	118219	118219	117764
15°	88079	87847	87330
20°	58941	58630	58721
25°	36333	36257	36409
30°	21855	21855	21935
35°	13393	13393	13498
40°	8476	8476	8678
45°	5821	5918	5918
50°	4260	4260	4260
55°	3273	3393	3393
60°	2756	2756	2893
65°	2404	2404	2404
70°	2115	2316	2316
75°	1930	1930	1930
80°	1686	1686	1686
85°	790	790	790

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 5918 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.2	19.3
10°-20°	135.1	35.6
20°-30°	89.8	23.7
30°-40°	41.5	11.0
40°-50°	19.3	5.1
50°-60°	10.3	2.7
60°-70°	6.0	1.6
70°-80°	3.2	0.8
80°-90°	0.7	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°	298.0	78.6
0°-40°	339.5	89.6
0°-60°	369.1	97.4
0°-90°	379.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	379.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	863	863	863	863	863	
5°	814	812	812	814	811	73
15°	494	496	493	493	490	136
25°	191	191	191	191	192	90
35°	64	63	64	64	64	41
45°	24	24	24	24	24	19
55°	11	11	11	11	11	10
65°	6	6	6	6	6	6
75°	3	3	3	3	3	3
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°	863.0	863.0	863.0	863.0	863.0
1°	861.3	860.5	861.3	862.6	860.9
2°	855.4	854.6	854.6	856.3	854.6
3°	844.1	845.0	844.5	846.2	843.3
4°	829.9	829.4	831.1	832.0	829.4
5°	813.9	812.2	811.8	813.9	811.4
6°	792.1	790.9	790.0	792.5	789.2
7°	768.6	767.8	766.5	767.4	764.9
8°	739.7	739.3	738.4	739.3	736.3
9°	707.4	707.4	709.1	708.7	707.0
10°	676.0	676.8	676.0	676.8	673.4
11°	640.7	640.7	641.6	641.2	641.6
12°	610.1	606.8	605.9	605.1	602.6
13°	570.7	568.2	567.4	568.2	566.9
14°	534.6	533.0	528.8	529.6	527.9
15°	494.0	495.6	492.7	492.7	489.8
17.5°	403.8	402.1	403.0	403.4	402.1
20°	321.6	320.8	319.9	319.1	320.4
22.5°	249.9	250.3	249.5	248.7	247.8
25°	191.2	190.8	190.8	190.8	191.6
27.5°	145.1	145.1	145.1	145.5	145.5
30°	109.9	109.0	109.9	110.3	110.3
32.5°	82.2	83.0	83.4	83.4	83.4
35°	63.7	63.3	63.7	64.2	64.2
37.5°	48.6	48.6	49.1	49.1	49.5
40°	37.7	37.7	37.7	38.2	38.6
42.5°	29.8	29.8	30.2	30.2	30.6
45°	23.9	23.9	24.3	24.3	24.3
47.5°	19.3	19.3	19.7	19.7	19.7
50°	15.9	15.9	15.9	15.9	15.9
52.5°	13.4	13.0	13.4	13.4	13.4
55°	10.9	11.3	11.3	11.3	11.3
57.5°	9.2	9.6	9.6	9.6	9.6
60°	8.0	8.0	8.0	8.4	8.4
62.5°	6.7	7.1	7.1	7.1	7.1
65°	5.9	5.9	5.9	5.9	5.9
67.5°	5.0	5.0	5.0	5.0	5.5
70°	4.2	4.2	4.6	4.6	4.6
72.5°	3.8	3.8	3.8	3.8	3.8
75°	2.9	2.9	2.9	2.9	2.9
77.5°	2.1	2.1	2.5	2.5	2.1
80°	1.7	1.7	1.7	1.7	1.7
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.4	0.4	0.4	0.4	0.4
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)