

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: P1319091

Luminaire Tested: LDSQA3D09R309835DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319091  
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: LDSQA3D09R309835DE010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

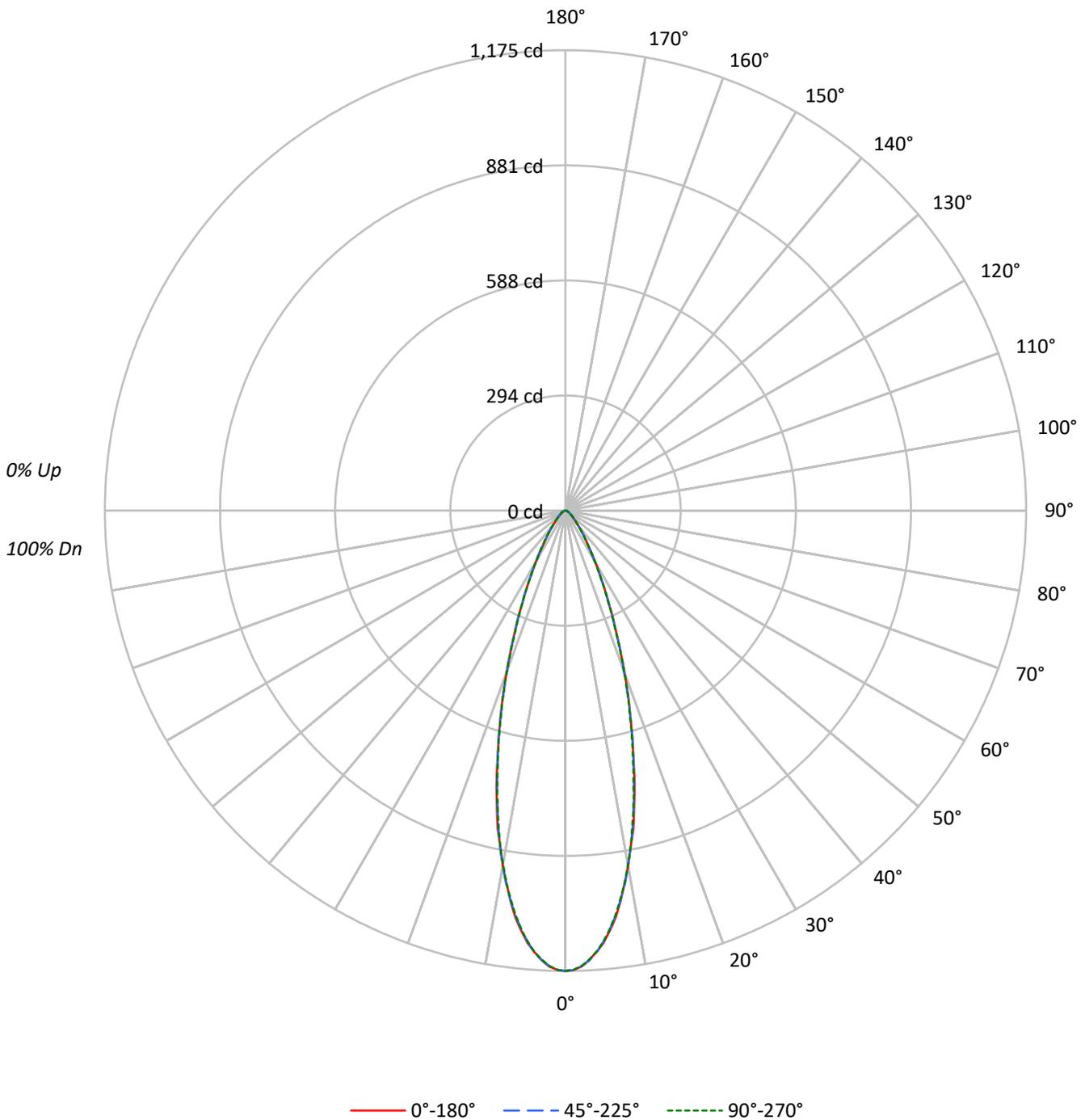
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 516.0 lumens  
Efficiency: N/A  
Efficacy: 46.9 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): 11  
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





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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°	202344	202344	202344
5°	191569	191085	190981
10°	160942	160942	160347
15°	119905	119602	118889
20°	80256	79835	79945
25°	49464	49369	49578
30°	29750	29750	29850
35°	18249	18249	18354
40°	11556	11556	11803
45°	7916	8062	8062
50°	5814	5814	5814
55°	4444	4624	4624
60°	3720	3720	3927
65°	3260	3260	3260
70°	2870	3172	3172
75°	2662	2662	2662
80°	2281	2281	2281
85°	1186	1186	1186

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 8062 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.6	19.3
10°-20°	183.9	35.6
20°-30°	122.3	23.7
30°-40°	56.5	11.0
40°-50°	26.2	5.1
50°-60°	14.0	2.7
60°-70°	8.2	1.6
70°-80°	4.3	0.8
80°-90°	0.9	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°	405.8	78.6
0°-40°	462.3	89.6
0°-60°	502.5	97.4
0°-90°	516.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	516.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1175	1175	1175	1175	1175	
5°	1108	1106	1105	1108	1105	100
15°	672	675	671	671	667	184
25°	260	260	260	260	261	122
35°	87	86	87	87	87	56
45°	32	32	33	33	33	26
55°	15	15	15	15	15	14
65°	8	8	8	8	8	8
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1174.9	1174.9	1174.9	1174.9	1174.9
1°	1172.7	1171.5	1172.7	1174.4	1172.1
2°	1164.7	1163.5	1163.5	1165.8	1163.5
3°	1149.2	1150.4	1149.8	1152.1	1148.1
4°	1129.8	1129.3	1131.5	1132.7	1129.3
5°	1108.1	1105.9	1105.3	1108.1	1104.7
6°	1078.4	1076.7	1075.6	1079.0	1074.5
7°	1046.5	1045.3	1043.6	1044.8	1041.3
8°	1007.1	1006.5	1005.4	1006.5	1002.5
9°	963.1	963.1	965.4	964.8	962.6
10°	920.3	921.4	920.3	921.4	916.9
11°	872.4	872.4	873.5	872.9	873.5
12°	830.7	826.1	825.0	823.8	820.4
13°	777.0	773.6	772.4	773.6	771.9
14°	727.9	725.6	719.9	721.1	718.8
15°	672.5	674.8	670.8	670.8	666.8
17.5°	549.8	547.5	548.6	549.2	547.5
20°	437.9	436.7	435.6	434.5	436.2
22.5°	340.3	340.8	339.7	338.5	337.4
25°	260.3	259.8	259.8	259.8	260.9
27.5°	197.5	197.5	197.5	198.1	198.1
30°	149.6	148.4	149.6	150.1	150.1
32.5°	111.9	113.0	113.6	113.6	113.6
35°	86.8	86.2	86.8	87.3	87.3
37.5°	66.2	66.2	66.8	66.8	67.4
40°	51.4	51.4	51.4	52.0	52.5
42.5°	40.5	40.5	41.1	41.1	41.7
45°	32.5	32.5	33.1	33.1	33.1
47.5°	26.3	26.3	26.8	26.8	26.8
50°	21.7	21.7	21.7	21.7	21.7
52.5°	18.3	17.7	18.3	18.3	18.3
55°	14.8	15.4	15.4	15.4	15.4
57.5°	12.6	13.1	13.1	13.1	13.1
60°	10.8	10.8	10.8	11.4	11.4
62.5°	9.1	9.7	9.7	9.7	9.7
65°	8.0	8.0	8.0	8.0	8.0
67.5°	6.9	6.9	6.9	6.9	7.4
70°	5.7	5.7	6.3	6.3	6.3
72.5°	5.1	5.1	5.1	5.1	5.1
75°	4.0	4.0	4.0	4.0	4.0
77.5°	2.9	2.9	3.4	3.4	2.9
80°	2.3	2.3	2.3	2.3	2.3
82.5°	1.7	1.7	1.7	1.7	1.7
85°	0.6	0.6	0.6	0.6	0.6
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)