

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: P1314504

Luminaire Tested: LDSQA3D09R359730DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314504  
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: LDSQA3D09R359730DE010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

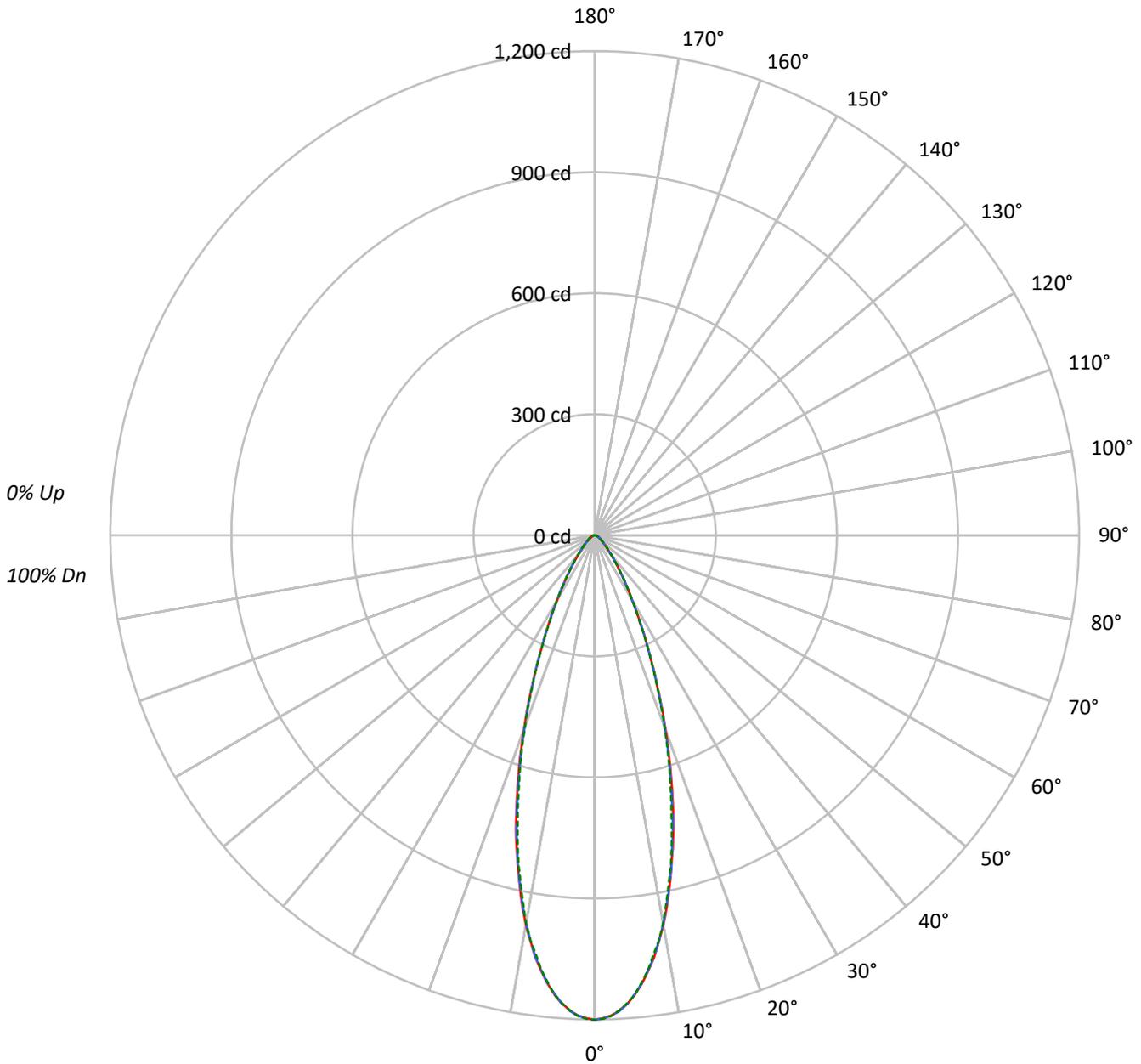
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 592.0 lumens  
Efficiency: N/A  
Efficacy: 53.3 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): 11.1  
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



— 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°	206736	206736	206736
5°	197551	197205	197551
10°	171487	170927	170700
15°	134383	133331	131227
20°	94020	93177	92572
25°	59706	60086	59706
30°	36790	37049	36790
35°	22749	22896	22896
40°	14456	14591	14591
45°	9742	9913	10059
50°	7020	7207	7207
55°	5525	5525	5525
60°	4512	4512	4512
65°	3994	3994	3994
70°	3626	3626	3626
75°	3061	3061	3061
80°	2579	2579	2579
85°	1383	1383	2569

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 10059 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.7	17.5
10°-20°	204.3	34.5
20°-30°	147.4	24.9
30°-40°	71.0	12.0
40°-50°	32.8	5.5
50°-60°	16.9	2.9
60°-70°	9.8	1.7
70°-80°	4.9	0.8
80°-90°	1.2	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°	455.4	76.9
0°-40°	526.4	88.9
0°-60°	576.1	97.3
0°-90°	592.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	592.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1200	1200	1200	1200	1200	
5°	1143	1145	1141	1141	1143	104
15°	754	752	748	744	736	206
25°	314	315	316	316	314	147
35°	108	108	109	109	109	71
45°	40	41	41	41	41	32
55°	18	18	18	18	18	17
65°	10	10	10	10	10	10
75°	5	5	5	5	5	5
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°	1200.4	1200.4	1200.4	1200.4	1200.4
1°	1197.1	1199.1	1198.4	1199.1	1198.4
2°	1191.2	1192.5	1191.2	1191.9	1191.9
3°	1178.7	1180.1	1180.1	1179.4	1178.7
4°	1163.7	1166.9	1163.7	1164.3	1162.3
5°	1142.7	1145.3	1140.7	1141.4	1142.7
6°	1117.1	1117.7	1116.4	1115.8	1114.5
7°	1087.6	1090.2	1085.6	1086.3	1084.9
8°	1056.1	1055.4	1055.4	1052.8	1048.9
9°	1018.0	1020.7	1016.7	1015.4	1016.1
10°	980.6	980.6	977.4	974.1	976.1
11°	938.0	936.7	934.7	930.1	928.8
12°	891.4	894.1	888.2	886.2	881.6
13°	843.6	847.5	844.9	837.7	838.3
14°	799.0	796.3	794.4	793.0	788.5
15°	753.7	752.4	747.8	744.5	736.0
17.5°	629.7	631.0	622.5	621.2	617.9
20°	513.0	509.0	508.4	509.0	505.1
22.5°	404.7	408.7	404.1	404.7	402.1
25°	314.2	314.9	316.2	316.2	314.2
27.5°	244.0	244.0	242.7	244.0	242.0
30°	185.0	185.0	186.3	187.6	185.0
32.5°	143.0	143.0	143.0	143.7	144.3
35°	108.2	108.2	108.9	108.9	108.9
37.5°	83.3	84.0	84.6	84.6	84.6
40°	64.3	64.9	64.9	65.6	64.9
42.5°	51.2	51.2	51.2	51.8	51.8
45°	40.0	40.7	40.7	41.3	41.3
47.5°	32.8	32.8	32.8	33.5	33.5
50°	26.2	26.9	26.9	26.9	26.9
52.5°	21.6	21.6	22.3	22.3	22.3
55°	18.4	18.4	18.4	18.4	18.4
57.5°	15.1	15.7	15.7	15.7	15.7
60°	13.1	13.1	13.1	13.1	13.1
62.5°	11.2	11.2	11.2	11.2	11.2
65°	9.8	9.8	9.8	9.8	9.8
67.5°	7.9	8.5	8.5	8.5	8.5
70°	7.2	7.2	7.2	7.2	7.2
72.5°	5.2	5.9	5.9	5.9	5.9
75°	4.6	4.6	4.6	4.6	4.6
77.5°	3.9	3.3	3.3	3.3	3.9
80°	2.6	2.6	2.6	2.6	2.6
82.5°	2.0	2.0	2.0	2.0	2.0
85°	0.7	0.7	0.7	0.7	1.3
87.5°	0.0	0.0	0.0	0.7	0.7



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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)