

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: P1312461

Luminaire Tested: LDSQA3D09R609050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312461  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R609050DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

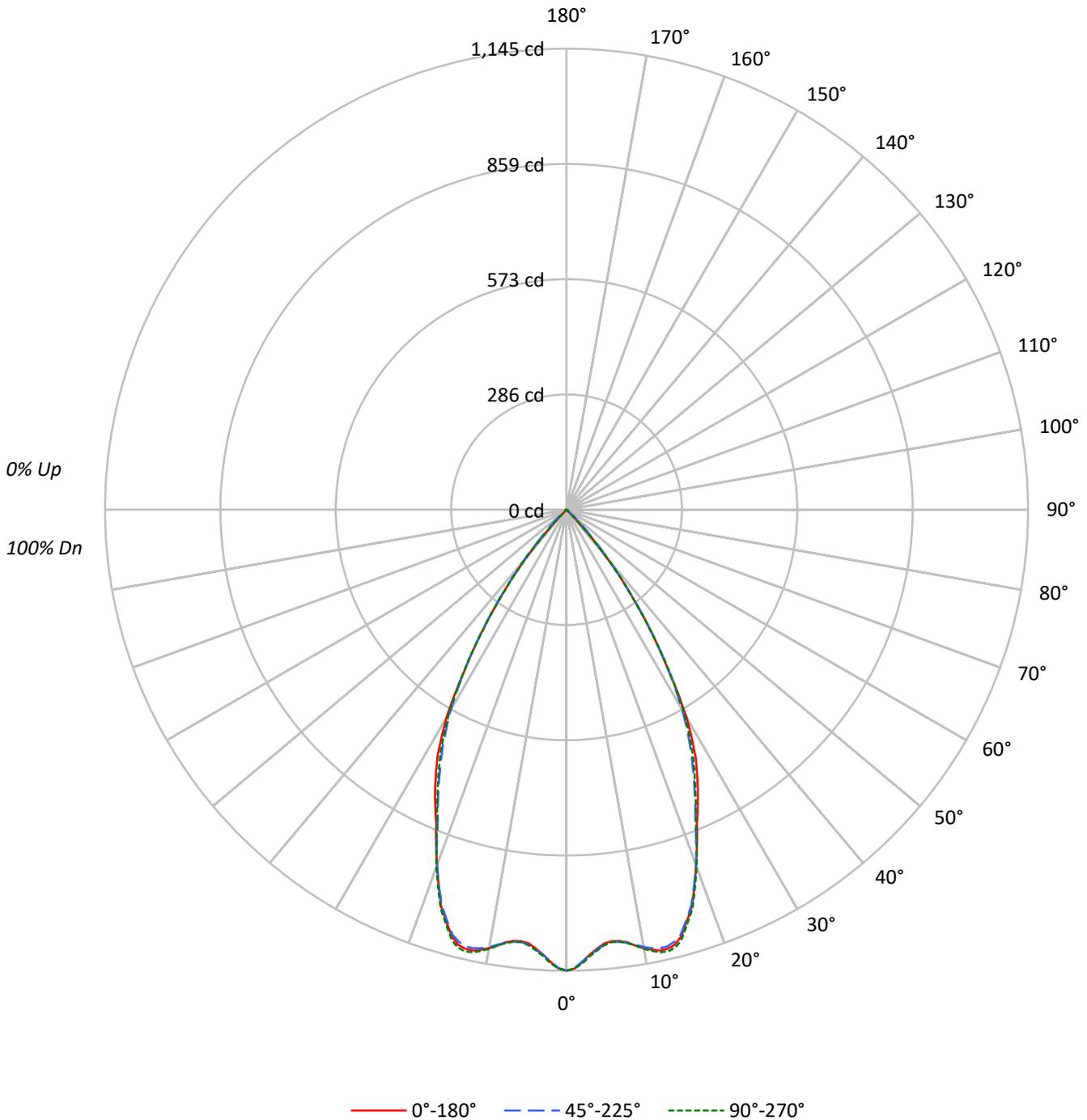
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1021.0 lumens  
Efficiency: N/A  
Efficacy: 92.0 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9  
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 (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





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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	107	105	105	103	101	101	100	98	98	96	95	95	95	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	83	83	83	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	78	78	78	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	73	73	73	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	68	68	68	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	64	64	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	60	60	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	56	56	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	53	53	53	52

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

	0°	45°	90°
0°	197143	197143	197143
5°	186849	187402	187679
10°	193329	192787	193749
15°	195700	194844	196823
20°	172316	172169	173049
25°	146625	142387	143603
30°	118345	114209	116118
35°	74910	75583	74742
40°	35027	36466	35567
45°	2143	12836	2533
50°	1072	3001	1072
55°	1201	1201	1201
60°	1102	1102	1102
65°	978	1304	978
70°	1209	1209	1209
75°	1065	1065	1065
80°	793	793	793
85°	1581	1581	1581

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 12836 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.3	10.2
10°-20°	300.5	29.4
20°-30°	346.4	33.9
30°-40°	222.4	21.8
40°-50°	38.7	3.8
50°-60°	3.7	0.4
60°-70°	2.8	0.3
70°-80°	1.7	0.2
80°-90°	0.5	0.1
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°	751.2	73.6
0°-40°	973.6	95.4
0°-60°	1016.0	99.5
0°-90°	1021.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1021.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1145	1145	1145	1145	1145	
5°	1081	1083	1084	1086	1086	104
15°	1098	1094	1093	1100	1104	301
25°	772	763	749	750	756	352
35°	356	354	360	352	356	222
45°	9	26	53	31	10	29
55°	4	4	4	4	4	3
65°	2	3	3	3	2	3
75°	2	2	2	2	2	2
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°	1144.7	1144.7	1144.7	1144.7	1144.7
1°	1139.9	1139.1	1138.3	1139.1	1139.9
2°	1123.9	1123.1	1122.3	1125.5	1127.1
3°	1106.3	1107.1	1107.9	1109.5	1110.3
4°	1092.0	1093.6	1094.4	1096.0	1096.8
5°	1080.8	1083.2	1084.0	1086.4	1085.6
6°	1077.6	1079.2	1080.0	1080.8	1079.2
7°	1079.2	1080.0	1080.8	1082.4	1080.8
8°	1084.8	1085.6	1086.4	1087.2	1087.2
9°	1096.0	1094.4	1093.6	1096.8	1096.0
10°	1105.5	1103.1	1102.4	1107.1	1107.9
11°	1113.5	1110.3	1109.5	1115.1	1116.7
12°	1119.1	1114.3	1113.5	1120.7	1123.9
13°	1119.1	1112.7	1112.7	1120.7	1125.5
14°	1112.7	1105.5	1105.5	1114.3	1119.9
15°	1097.6	1093.6	1092.8	1100.0	1103.9
17.5°	1033.7	1028.9	1029.7	1037.6	1038.4
20°	940.2	937.8	939.4	941.0	944.2
22.5°	845.1	843.5	834.8	837.1	838.7
25°	771.6	762.9	749.3	750.1	755.7
27.5°	694.2	685.4	666.2	670.2	675.8
30°	595.1	587.9	574.3	576.7	583.9
32.5°	467.3	481.7	468.9	472.9	470.5
35°	356.3	353.9	359.5	352.3	355.5
37.5°	250.8	251.6	254.0	247.6	247.6
40°	155.8	159.8	162.2	159.0	158.2
42.5°	65.5	89.5	94.3	89.5	66.3
45°	8.8	26.4	52.7	31.2	10.4
47.5°	4.0	5.6	28.0	5.6	4.0
50°	4.0	4.0	11.2	4.0	4.0
52.5°	4.0	4.0	4.0	4.0	4.0
55°	4.0	4.0	4.0	4.0	4.0
57.5°	4.0	4.0	4.0	4.0	4.0
60°	3.2	3.2	3.2	3.2	3.2
62.5°	3.2	3.2	3.2	3.2	3.2
65°	2.4	3.2	3.2	3.2	2.4
67.5°	2.4	2.4	2.4	2.4	2.4
70°	2.4	2.4	2.4	2.4	2.4
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8
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)