

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: P1326444

Luminaire Tested: LDSQA3D09R30W2N902765DE010 3LSQPHRL1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

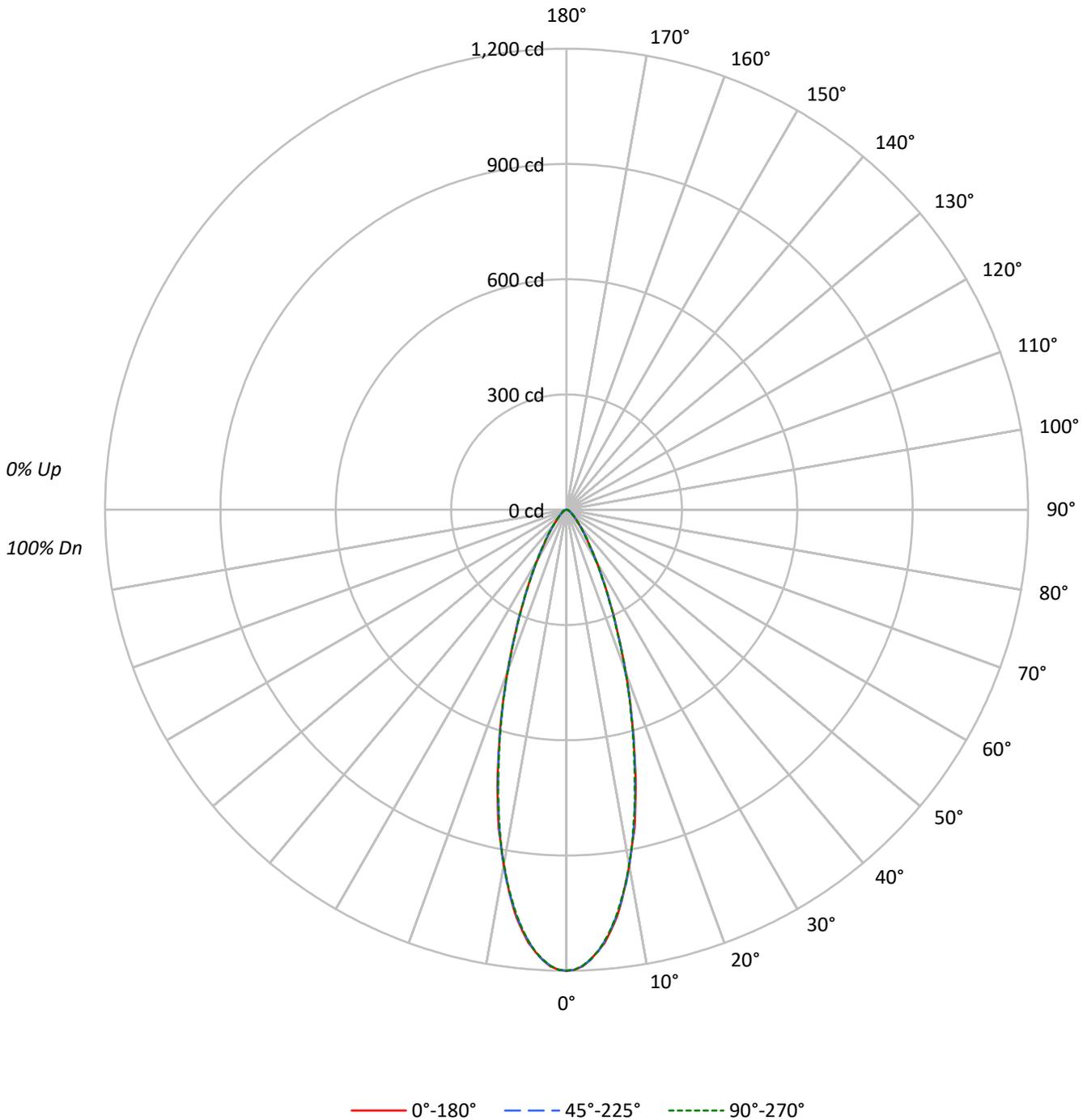
Test Method: LM-79-2019  
Report Number: P1326444  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R30W2N902765DE010 3LSQPHRL1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,  
3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 527.0 lumens  
Efficiency: N/A  
Efficacy: 58.6 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): 9  
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°	206667	206667	206667
5°	195666	195148	195061
10°	164369	164369	163757
15°	122473	122152	121421
20°	81961	81539	81649
25°	50528	50414	50642
30°	30387	30387	30506
35°	18628	18628	18754
40°	11803	11803	12050
45°	8086	8232	8232
50°	5948	5948	5948
55°	4564	4714	4714
60°	3823	3823	4030
65°	3342	3342	3342
70°	2921	3223	3223
75°	2728	2728	2728
80°	2281	2281	2281
85°	1186	1186	1186

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 8232 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.7	19.3
10°-20°	187.8	35.6
20°-30°	124.9	23.7
30°-40°	57.7	11.0
40°-50°	26.8	5.1
50°-60°	14.3	2.7
60°-70°	8.4	1.6
70°-80°	4.4	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°	414.4	78.6
0°-40°	472.1	89.6
0°-60°	513.3	97.4
0°-90°	527.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	527.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1200	1200	1200	1200	1200	
5°	1132	1129	1129	1132	1128	102
15°	687	689	685	685	681	188
25°	266	265	265	265	266	125
35°	89	88	89	89	89	57
45°	33	33	34	34	34	27
55°	15	16	16	16	16	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°	1200.0	1200.0	1200.0	1200.0	1200.0
1°	1197.6	1196.5	1197.6	1199.4	1197.1
2°	1189.5	1188.3	1188.3	1190.7	1188.3
3°	1173.7	1174.9	1174.3	1176.7	1172.6
4°	1153.9	1153.3	1155.7	1156.8	1153.3
5°	1131.8	1129.4	1128.8	1131.8	1128.3
6°	1101.4	1099.7	1098.5	1102.0	1097.4
7°	1068.8	1067.6	1065.9	1067.0	1063.5
8°	1028.6	1028.0	1026.8	1028.0	1023.9
9°	983.7	983.7	986.0	985.4	983.1
10°	939.9	941.1	939.9	941.1	936.4
11°	890.9	890.9	892.1	891.5	892.1
12°	848.4	843.7	842.6	841.4	837.9
13°	793.6	790.1	788.9	790.1	788.3
14°	743.4	741.1	735.3	736.4	734.1
15°	686.9	689.2	685.1	685.1	681.0
17.5°	561.5	559.2	560.3	560.9	559.2
20°	447.2	446.1	444.9	443.7	445.5
22.5°	347.5	348.1	346.9	345.8	344.6
25°	265.9	265.3	265.3	265.3	266.5
27.5°	201.7	201.7	201.7	202.3	202.3
30°	152.8	151.6	152.8	153.4	153.4
32.5°	114.3	115.5	116.0	116.0	116.0
35°	88.6	88.0	88.6	89.2	89.2
37.5°	67.6	67.6	68.2	68.2	68.8
40°	52.5	52.5	52.5	53.1	53.6
42.5°	41.4	41.4	42.0	42.0	42.6
45°	33.2	33.2	33.8	33.8	33.8
47.5°	26.8	26.8	27.4	27.4	27.4
50°	22.2	22.2	22.2	22.2	22.2
52.5°	18.7	18.1	18.7	18.7	18.7
55°	15.2	15.7	15.7	15.7	15.7
57.5°	12.8	13.4	13.4	13.4	13.4
60°	11.1	11.1	11.1	11.7	11.7
62.5°	9.3	9.9	9.9	9.9	9.9
65°	8.2	8.2	8.2	8.2	8.2
67.5°	7.0	7.0	7.0	7.0	7.6
70°	5.8	5.8	6.4	6.4	6.4
72.5°	5.2	5.2	5.2	5.2	5.2
75°	4.1	4.1	4.1	4.1	4.1
77.5°	2.9	2.9	3.5	3.5	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)