

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: P1326447

Luminaire Tested: LDSQA3D09R30W2N902765DE010 3LSQPHRL1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326447
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_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

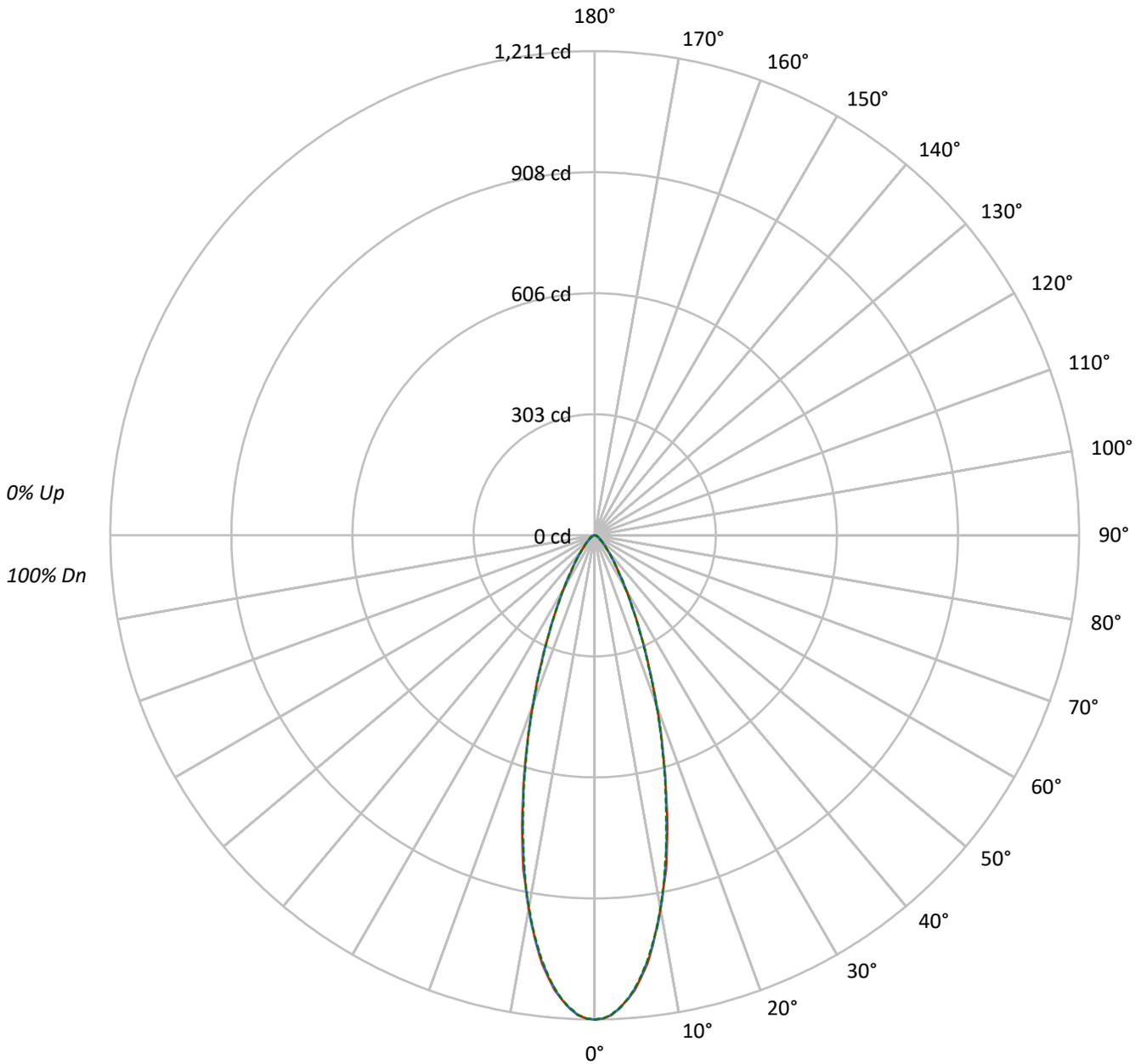
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 532.0 lumens
Efficiency: N/A
Efficacy: 59.1 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



— 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°	208631	208631	208631
5°	197516	197015	196911
10°	165926	165926	165314
15°	123632	123311	122580
20°	82749	82309	82419
25°	51003	50889	51117
30°	30665	30665	30784
35°	18817	18817	18943
40°	11915	11915	12185
45°	8184	8305	8305
50°	6002	6002	6002
55°	4594	4774	4774
60°	3858	3858	4064
65°	3342	3342	3342
70°	2971	3273	3273
75°	2728	2728	2728
80°	2380	2380	2380
85°	1186	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 8305 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.7	19.3
10°-20°	189.6	35.6
20°-30°	126.0	23.7
30°-40°	58.3	11.0
40°-50°	27.1	5.1
50°-60°	14.4	2.7
60°-70°	8.4	1.6
70°-80°	4.5	0.8
80°-90°	1.0	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°	418.3	78.6
0°-40°	476.6	89.6
0°-60°	518.1	97.4
0°-90°	532.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	532.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1211	1211	1211	1211	1211	
5°	1142	1140	1140	1142	1139	103
15°	693	696	692	692	688	190
25°	268	268	268	268	269	126
35°	90	89	90	90	90	58
45°	34	34	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°	1211.4	1211.4	1211.4	1211.4	1211.4
1°	1209.0	1207.8	1209.0	1210.8	1208.4
2°	1200.8	1199.6	1199.6	1201.9	1199.6
3°	1184.9	1186.1	1185.5	1187.8	1183.7
4°	1164.9	1164.3	1166.6	1167.8	1164.3
5°	1142.5	1140.1	1139.6	1142.5	1139.0
6°	1111.9	1110.1	1108.9	1112.5	1107.8
7°	1078.9	1077.8	1076.0	1077.2	1073.6
8°	1038.3	1037.7	1036.5	1037.7	1033.6
9°	993.0	993.0	995.3	994.8	992.4
10°	948.8	950.0	948.8	950.0	945.3
11°	899.4	899.4	900.6	900.0	900.6
12°	856.4	851.7	850.5	849.4	845.8
13°	801.1	797.6	796.4	797.6	795.8
14°	750.5	748.1	742.2	743.4	741.1
15°	693.4	695.7	691.6	691.6	687.5
17.5°	566.8	564.5	565.7	566.2	564.5
20°	451.5	450.3	449.1	447.9	449.7
22.5°	350.8	351.4	350.2	349.0	347.9
25°	268.4	267.8	267.8	267.8	269.0
27.5°	203.7	203.7	203.7	204.2	204.2
30°	154.2	153.0	154.2	154.8	154.8
32.5°	115.4	116.5	117.1	117.1	117.1
35°	89.5	88.9	89.5	90.1	90.1
37.5°	68.3	68.3	68.9	68.9	69.5
40°	53.0	53.0	53.0	53.6	54.2
42.5°	41.8	41.8	42.4	42.4	43.0
45°	33.6	33.6	34.1	34.1	34.1
47.5°	27.1	27.1	27.7	27.7	27.7
50°	22.4	22.4	22.4	22.4	22.4
52.5°	18.8	18.2	18.8	18.8	18.8
55°	15.3	15.9	15.9	15.9	15.9
57.5°	12.9	13.5	13.5	13.5	13.5
60°	11.2	11.2	11.2	11.8	11.8
62.5°	9.4	10.0	10.0	10.0	10.0
65°	8.2	8.2	8.2	8.2	8.2
67.5°	7.1	7.1	7.1	7.1	7.7
70°	5.9	5.9	6.5	6.5	6.5
72.5°	5.3	5.3	5.3	5.3	5.3
75°	4.1	4.1	4.1	4.1	4.1
77.5°	2.9	2.9	3.5	3.5	2.9
80°	2.4	2.4	2.4	2.4	2.4
82.5°	1.8	1.8	1.8	1.8	1.8
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)