

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: P1325973

Luminaire Tested: LDSQA3D09R20W2N902750DE010 3LSQPHRL1MB_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325973
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R20W2N902750DE010 3LSQPHRL1MB_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

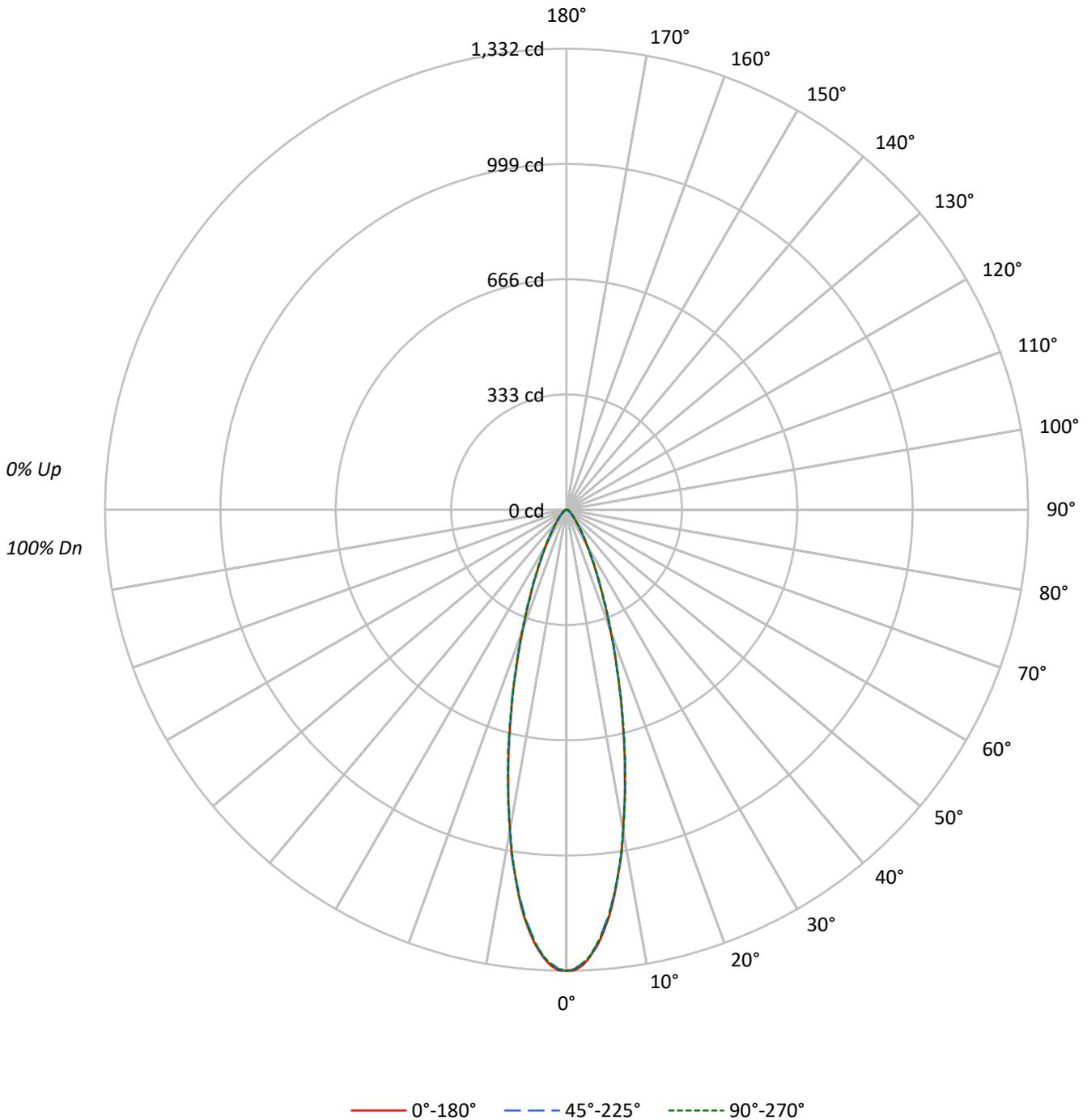
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 468.0 lumens
Efficiency: N/A
Efficacy: 52.0 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
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	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	86	83	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	82	79	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	73	70	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	71	67	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	68	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	229349	229349	229349
5°	211588	210378	211087
10°	164194	164404	164404
15°	110973	111508	111508
20°	67409	68252	68582
25°	39545	40096	39982
30°	23068	23526	23645
35°	14086	14465	14465
40°	9173	9308	9442
45°	6381	6527	6674
50°	4689	4850	4850
55°	3663	3843	3843
60°	3203	3203	3410
65°	2853	2853	3097
70°	2618	2618	2618
75°	2329	2329	2329
80°	1686	1686	2281
85°	1186	1186	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 6674 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.4	22.9
10°-20°	172.0	36.7
20°-30°	99.6	21.3
30°-40°	44.7	9.5
40°-50°	21.2	4.5
50°-60°	11.6	2.5
60°-70°	7.0	1.5
70°-80°	3.8	0.8
80°-90°	0.8	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°	378.9	81.0
0°-40°	423.6	90.5
0°-60°	456.4	97.5
0°-90°	468.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	468.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1332	1332	1332	1332	1332	
5°	1224	1220	1217	1219	1221	108
15°	622	622	625	622	625	171
25°	208	208	211	209	210	99
35°	67	68	69	69	69	44
45°	26	26	27	27	27	21
55°	12	12	13	13	13	11
65°	7	7	7	7	8	7
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°	1331.7	1331.7	1331.7	1331.7	1331.7
1°	1331.1	1327.6	1326.5	1325.3	1328.8
2°	1317.7	1313.7	1311.3	1312.5	1313.1
3°	1293.8	1291.5	1291.5	1289.8	1290.9
4°	1263.0	1258.3	1258.3	1258.9	1258.9
5°	1223.9	1219.8	1216.9	1219.2	1221.0
6°	1180.2	1175.0	1172.6	1173.2	1177.3
7°	1126.6	1119.6	1120.7	1123.7	1123.7
8°	1066.0	1065.4	1066.5	1065.4	1066.5
9°	1010.0	1001.9	1008.8	1003.0	1005.9
10°	938.9	938.3	940.1	941.8	940.1
12.5°	776.9	779.8	781.0	778.6	783.9
15°	622.4	622.4	625.4	622.4	625.4
17.5°	484.3	483.7	486.1	483.7	487.2
20°	367.8	371.8	372.4	372.4	374.2
22.5°	277.4	277.4	279.8	280.3	279.2
25°	208.1	208.1	211.0	209.2	210.4
27.5°	153.9	155.0	157.4	158.5	158.5
30°	116.0	116.6	118.3	118.9	118.9
32.5°	87.4	88.6	89.8	90.3	90.9
35°	67.0	67.6	68.8	69.4	68.8
37.5°	51.3	51.9	53.0	53.6	53.6
40°	40.8	40.8	41.4	42.0	42.0
42.5°	32.1	32.6	32.6	33.2	33.2
45°	26.2	26.2	26.8	26.8	27.4
47.5°	21.0	21.0	21.6	22.1	22.1
50°	17.5	17.5	18.1	18.1	18.1
52.5°	14.6	14.6	15.2	15.2	15.2
55°	12.2	12.2	12.8	12.8	12.8
57.5°	10.5	10.5	11.1	11.1	11.1
60°	9.3	9.3	9.3	9.3	9.9
62.5°	8.2	8.2	8.2	8.2	8.2
65°	7.0	7.0	7.0	7.0	7.6
67.5°	5.8	5.8	5.8	5.8	6.4
70°	5.2	5.2	5.2	5.2	5.2
72.5°	4.1	4.1	4.1	4.7	4.7
75°	3.5	3.5	3.5	3.5	3.5
77.5°	2.9	2.9	2.9	2.9	2.9
80°	1.7	1.7	1.7	2.3	2.3
82.5°	1.2	1.2	1.2	1.2	1.2
85°	0.6	0.6	0.6	0.6	1.2
87.5°	0.0	0.0	0.0	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)