

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: P1325981

Luminaire Tested: LDSQA3D09R20W2N902750DE010 3LSQPHRL1MMS_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325981
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 3LSQPHRL1MMS_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,
3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

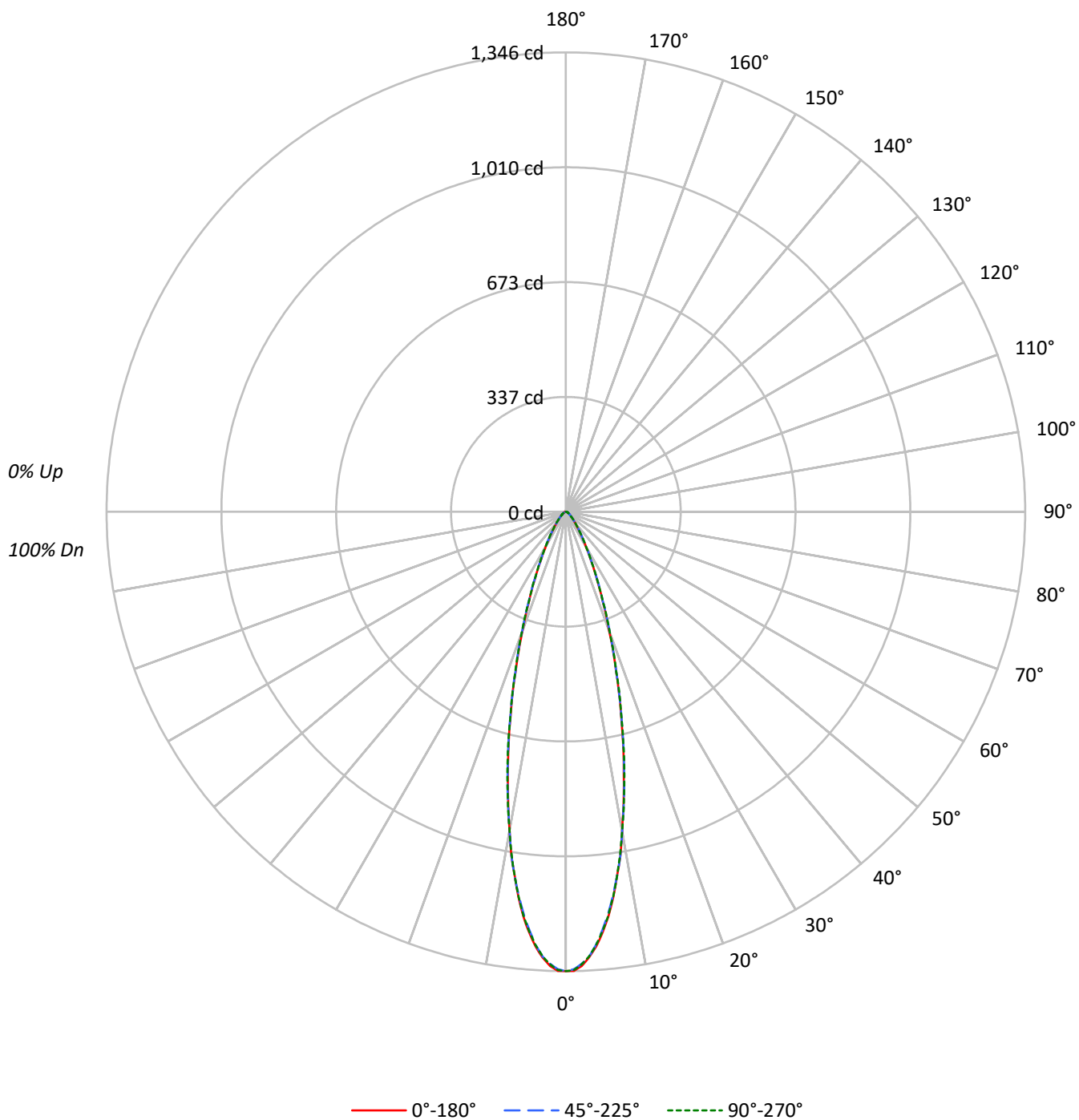
Lumens per Lamp: N/A
Luminaire Lumens: 473.0 lumens
Efficiency: N/A
Efficacy: 52.6 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	77	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	67	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	64	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	231812	231812	231812
5°	213853	212626	213335
10°	165943	166153	166153
15°	112167	112684	112684
20°	68124	68985	69315
25°	39963	40514	40400
30°	23307	23784	23904
35°	14234	14612	14612
40°	9263	9398	9532
45°	6454	6600	6747
50°	4742	4903	4903
55°	3723	3903	3903
60°	3238	3238	3444
65°	2893	2893	3138
70°	2669	2669	2669
75°	2329	2329	2329
80°	1785	1785	2380
85°	1186	1186	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6747 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.5	22.9
10°-20°	173.8	36.7
20°-30°	100.7	21.3
30°-40°	45.1	9.5
40°-50°	21.4	4.5
50°-60°	11.7	2.5
60°-70°	7.1	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°	383.0	81.0
0°-40°	428.1	90.5
0°-60°	461.3	97.5
0°-90°	473.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	473.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1346	1346	1346	1346	1346	
5°	1237	1233	1230	1232	1234	109
15°	629	629	632	629	632	173
25°	210	210	213	212	213	100
35°	68	68	70	70	70	44
45°	26	26	27	27	28	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°	1346.0	1346.0	1346.0	1346.0	1346.0
1°	1345.4	1341.8	1340.7	1339.5	1343.0
2°	1331.8	1327.7	1325.3	1326.5	1327.1
3°	1307.7	1305.3	1305.3	1303.5	1304.7
4°	1276.4	1271.7	1271.7	1272.3	1272.3
5°	1237.0	1232.9	1229.9	1232.3	1234.0
6°	1192.8	1187.5	1185.1	1185.7	1189.9
7°	1138.6	1131.5	1132.7	1135.7	1135.7
8°	1077.4	1076.8	1077.9	1076.8	1077.9
9°	1020.8	1012.6	1019.6	1013.7	1016.7
10°	948.9	948.4	950.1	951.9	950.1
12.5°	785.2	788.1	789.3	787.0	792.3
15°	629.1	629.1	632.0	629.1	632.0
17.5°	489.5	488.9	491.3	488.9	492.4
20°	371.7	375.8	376.4	376.4	378.2
22.5°	280.4	280.4	282.7	283.3	282.1
25°	210.3	210.3	213.2	211.5	212.6
27.5°	155.5	156.7	159.0	160.2	160.2
30°	117.2	117.8	119.6	120.2	120.2
32.5°	88.4	89.5	90.7	91.3	91.9
35°	67.7	68.3	69.5	70.1	69.5
37.5°	51.8	52.4	53.6	54.2	54.2
40°	41.2	41.2	41.8	42.4	42.4
42.5°	32.4	33.0	33.0	33.6	33.6
45°	26.5	26.5	27.1	27.1	27.7
47.5°	21.2	21.2	21.8	22.4	22.4
50°	17.7	17.7	18.3	18.3	18.3
52.5°	14.7	14.7	15.3	15.3	15.3
55°	12.4	12.4	13.0	13.0	13.0
57.5°	10.6	10.6	11.2	11.2	11.2
60°	9.4	9.4	9.4	9.4	10.0
62.5°	8.2	8.2	8.2	8.2	8.2
65°	7.1	7.1	7.1	7.1	7.7
67.5°	5.9	5.9	5.9	5.9	6.5
70°	5.3	5.3	5.3	5.3	5.3
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°	1.8	1.8	1.8	2.4	2.4
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)