

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: P1325972

Luminaire Tested: LDSQA3D09R20W2N902750DE010 3LSQPHRL1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325972
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 2700K CCT AND, 90CRI ,
3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

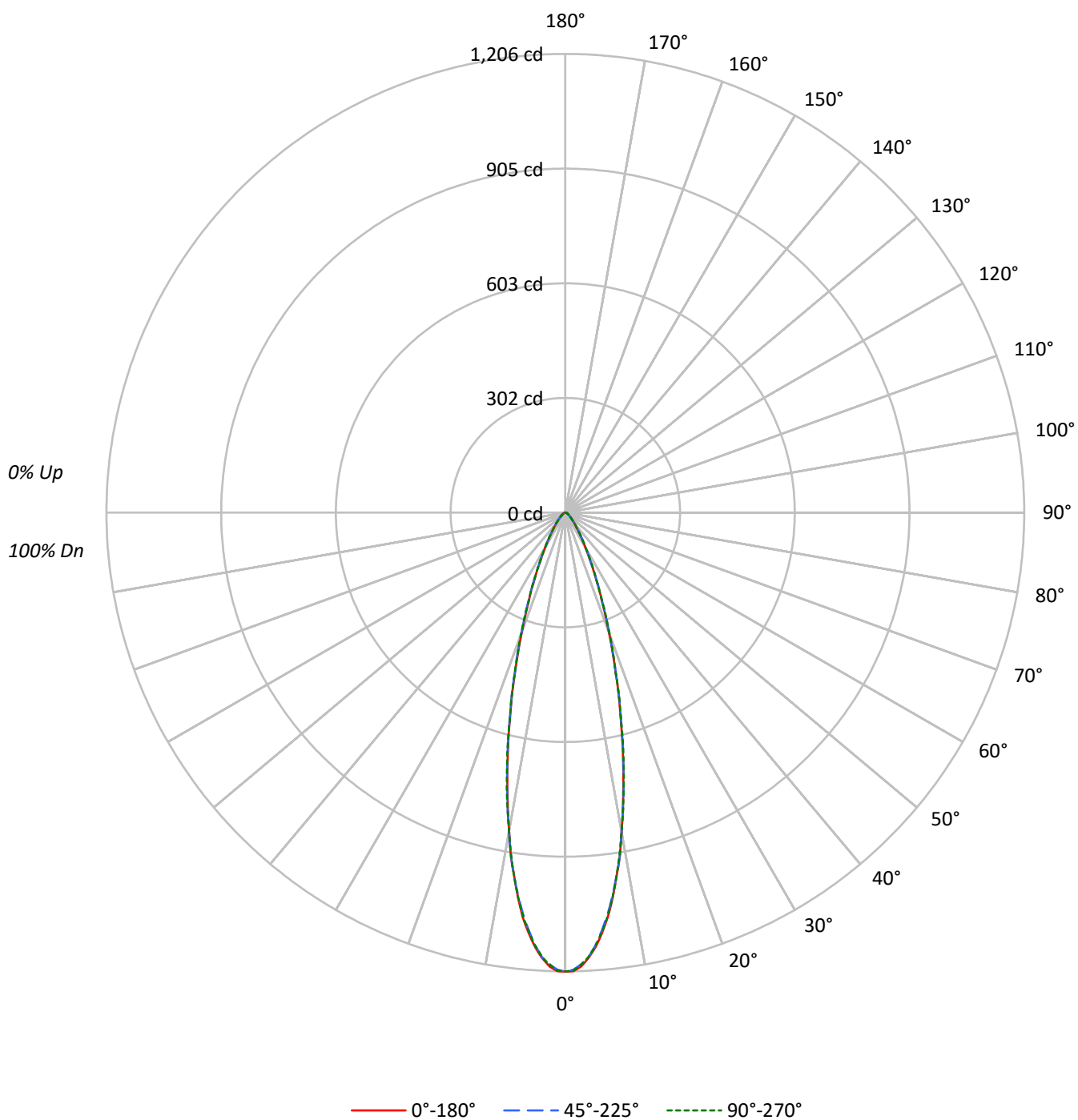
Lumens per Lamp: N/A
Luminaire Lumens: 424.0 lumens
Efficiency: N/A
Efficacy: 47.1 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	207787	207787	207787
5°	191690	190601	191240
10°	148752	148945	148945
15°	100542	101024	101024
20°	61067	61837	62130
25°	35820	36314	36219
30°	20901	21318	21418
35°	12762	13098	13098
40°	8318	8431	8543
45°	5797	5918	6040
50°	4233	4394	4394
55°	3333	3483	3483
60°	2893	2893	3100
65°	2567	2567	2812
70°	2417	2417	2417
75°	2129	2129	2129
80°	1587	1587	2083
85°	988	988	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6040 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.3	22.9
10°-20°	155.8	36.7
20°-30°	90.2	21.3
30°-40°	40.5	9.5
40°-50°	19.2	4.5
50°-60°	10.5	2.5
60°-70°	6.4	1.5
70°-80°	3.4	0.8
80°-90°	0.7	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°	343.3	81.0
0°-40°	383.8	90.5
0°-60°	413.5	97.5
0°-90°	424.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	424.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1206	1206	1206	1206	1206	
5°	1109	1105	1102	1105	1106	98
15°	564	564	567	564	567	155
25°	188	188	191	190	191	89
35°	61	61	62	63	62	40
45°	24	24	24	24	25	19
55°	11	11	12	12	12	10
65°	6	6	6	6	7	6
75°	3	3	3	3	3	3
85°	0	0	0	0	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1206.5	1206.5	1206.5	1206.5	1206.5
1°	1206.0	1202.8	1201.8	1200.7	1203.9
2°	1193.8	1190.2	1188.0	1189.1	1189.6
3°	1172.2	1170.1	1170.1	1168.5	1169.6
4°	1144.2	1140.0	1140.0	1140.5	1140.5
5°	1108.8	1105.1	1102.5	1104.6	1106.2
6°	1069.2	1064.5	1062.4	1062.9	1066.6
7°	1020.7	1014.3	1015.4	1018.0	1018.0
8°	965.7	965.2	966.3	965.2	966.3
9°	915.1	907.7	914.0	908.7	911.4
10°	850.6	850.1	851.7	853.3	851.7
12.5°	703.8	706.5	707.5	705.4	710.2
15°	563.9	563.9	566.6	563.9	566.6
17.5°	438.8	438.3	440.4	438.3	441.4
20°	333.2	336.9	337.4	337.4	339.0
22.5°	251.3	251.3	253.4	254.0	252.9
25°	188.5	188.5	191.1	189.6	190.6
27.5°	139.4	140.5	142.6	143.6	143.6
30°	105.1	105.6	107.2	107.7	107.7
32.5°	79.2	80.3	81.3	81.8	82.4
35°	60.7	61.3	62.3	62.8	62.3
37.5°	46.5	47.0	48.0	48.6	48.6
40°	37.0	37.0	37.5	38.0	38.0
42.5°	29.0	29.6	29.6	30.1	30.1
45°	23.8	23.8	24.3	24.3	24.8
47.5°	19.0	19.0	19.5	20.1	20.1
50°	15.8	15.8	16.4	16.4	16.4
52.5°	13.2	13.2	13.7	13.7	13.7
55°	11.1	11.1	11.6	11.6	11.6
57.5°	9.5	9.5	10.0	10.0	10.0
60°	8.4	8.4	8.4	8.4	9.0
62.5°	7.4	7.4	7.4	7.4	7.4
65°	6.3	6.3	6.3	6.3	6.9
67.5°	5.3	5.3	5.3	5.3	5.8
70°	4.8	4.8	4.8	4.8	4.8
72.5°	3.7	3.7	3.7	4.2	4.2
75°	3.2	3.2	3.2	3.2	3.2
77.5°	2.6	2.6	2.6	2.6	2.6
80°	1.6	1.6	1.6	2.1	2.1
82.5°	1.1	1.1	1.1	1.1	1.1
85°	0.5	0.5	0.5	0.5	1.1
87.5°	0.0	0.0	0.0	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)