

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: P1326886

Luminaire Tested: LDSQA3D09R50W2N902750DE010 3LSQCDR1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1326886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R50W2N902750DE010 3LSQCDR1MW_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

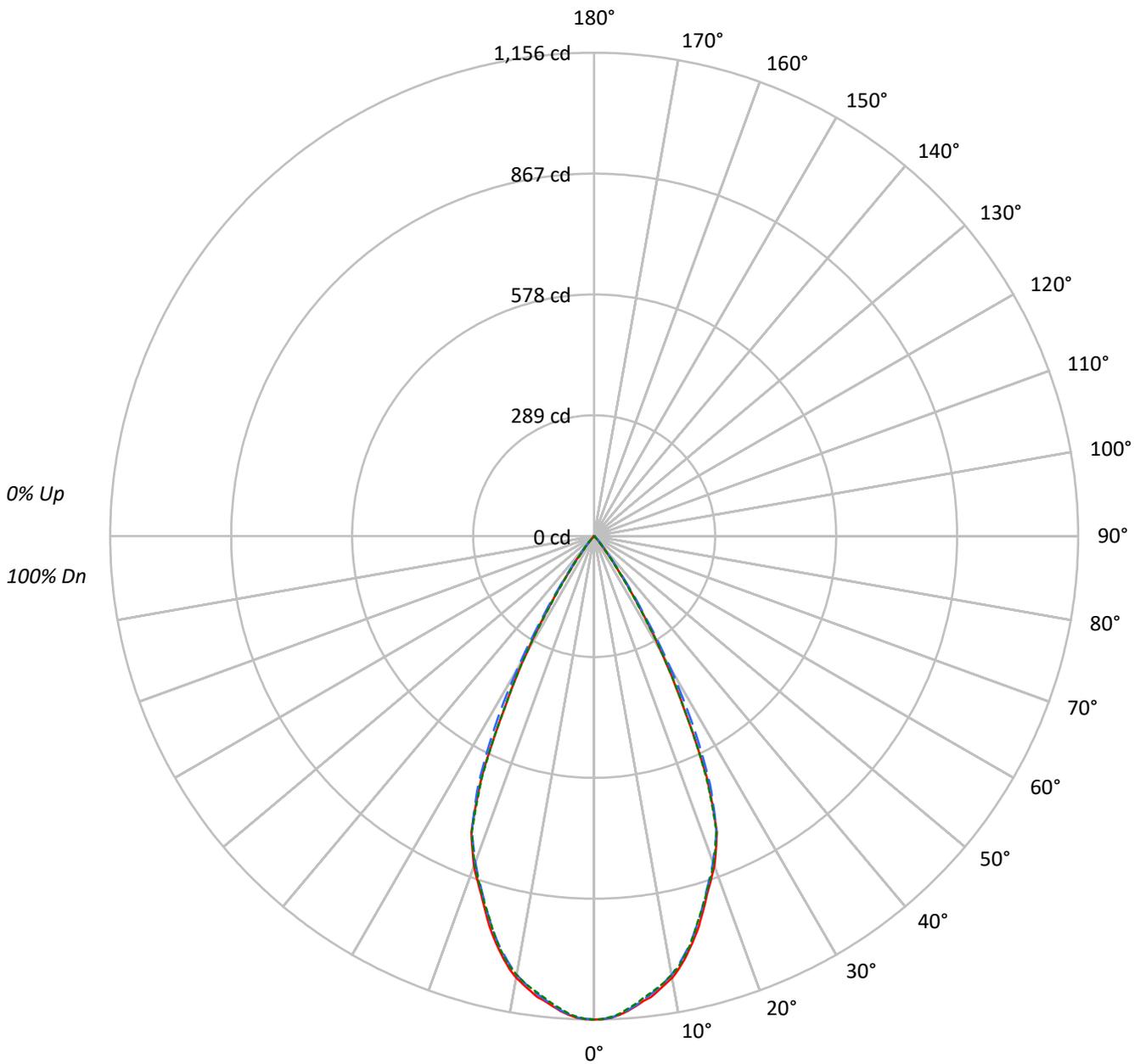
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 745.0 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
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				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	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	199089	199089	199089
5°	195199	194819	194283
10°	187558	186264	186352
15°	172182	170578	170382
20°	153823	152174	152943
25°	120895	124410	119888
30°	64671	72467	64890
35°	21130	24683	19910
40°	5238	6542	4991
45°	633	2314	633
50°	429	697	429
55°	480	480	480
60°	379	379	379
65°	448	448	448
70°	252	252	252
75°	333	333	333
80°	496	496	496
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2314 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.7	14.2
10°-20°	267.3	35.9
20°-30°	281.2	37.7
30°-40°	81.0	10.9
40°-50°	6.6	0.9
50°-60°	1.4	0.2
60°-70°	1.0	0.1
70°-80°	0.5	0.1
80°-90°	0.1	0.0
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°	654.2	87.8
0°-40°	735.3	98.7
0°-60°	743.3	99.8
0°-90°	745.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	745.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1156	1156	1156	1156	1156	
5°	1129	1128	1127	1128	1124	106
15°	966	959	957	957	956	269
25°	636	652	655	647	631	276
35°	100	104	117	100	95	78
45°	3	5	10	5	3	5
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1156.0	1156.0	1156.0	1156.0	1156.0
1°	1155.5	1156.6	1154.4	1158.2	1155.0
2°	1152.9	1153.4	1152.3	1155.0	1150.7
3°	1146.5	1147.6	1145.5	1147.6	1143.9
4°	1139.1	1139.1	1137.0	1138.6	1133.8
5°	1129.1	1128.5	1126.9	1128.0	1123.8
6°	1118.5	1118.0	1115.3	1115.3	1112.1
7°	1110.6	1106.9	1104.7	1104.2	1101.0
8°	1097.9	1096.8	1092.6	1092.6	1090.5
9°	1085.2	1084.1	1079.4	1080.4	1078.8
10°	1072.5	1068.8	1065.1	1065.6	1065.6
11°	1055.6	1052.4	1047.1	1049.2	1050.3
12°	1035.5	1031.8	1027.0	1031.2	1030.7
13°	1013.2	1010.1	1006.4	1009.5	1008.5
14°	990.0	985.2	982.0	984.2	983.1
15°	965.7	959.3	956.7	956.7	955.6
17.5°	897.4	893.7	891.1	889.5	893.2
20°	839.3	836.1	830.3	831.9	834.5
22.5°	766.3	765.8	762.6	759.9	763.1
25°	636.2	652.1	654.7	647.3	630.9
27.5°	462.2	499.2	512.4	495.0	464.8
30°	325.2	342.7	364.4	330.0	326.3
32.5°	196.2	201.0	221.1	197.3	192.0
35°	100.5	104.2	117.4	100.5	94.7
37.5°	47.1	49.2	54.5	47.1	43.9
40°	23.3	25.9	29.1	24.3	22.2
42.5°	10.0	13.2	16.9	12.7	9.0
45°	2.6	5.3	9.5	5.3	2.6
47.5°	1.6	2.1	5.3	2.1	1.6
50°	1.6	1.6	2.6	1.6	1.6
52.5°	1.6	1.6	1.6	1.6	1.6
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	1.6	1.6	1.6
60°	1.1	1.6	1.1	1.6	1.1
62.5°	1.1	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.5	0.0	0.5	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)