

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: P1311383

Luminaire Tested: LDSQA3D09R609040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311383
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R609040DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

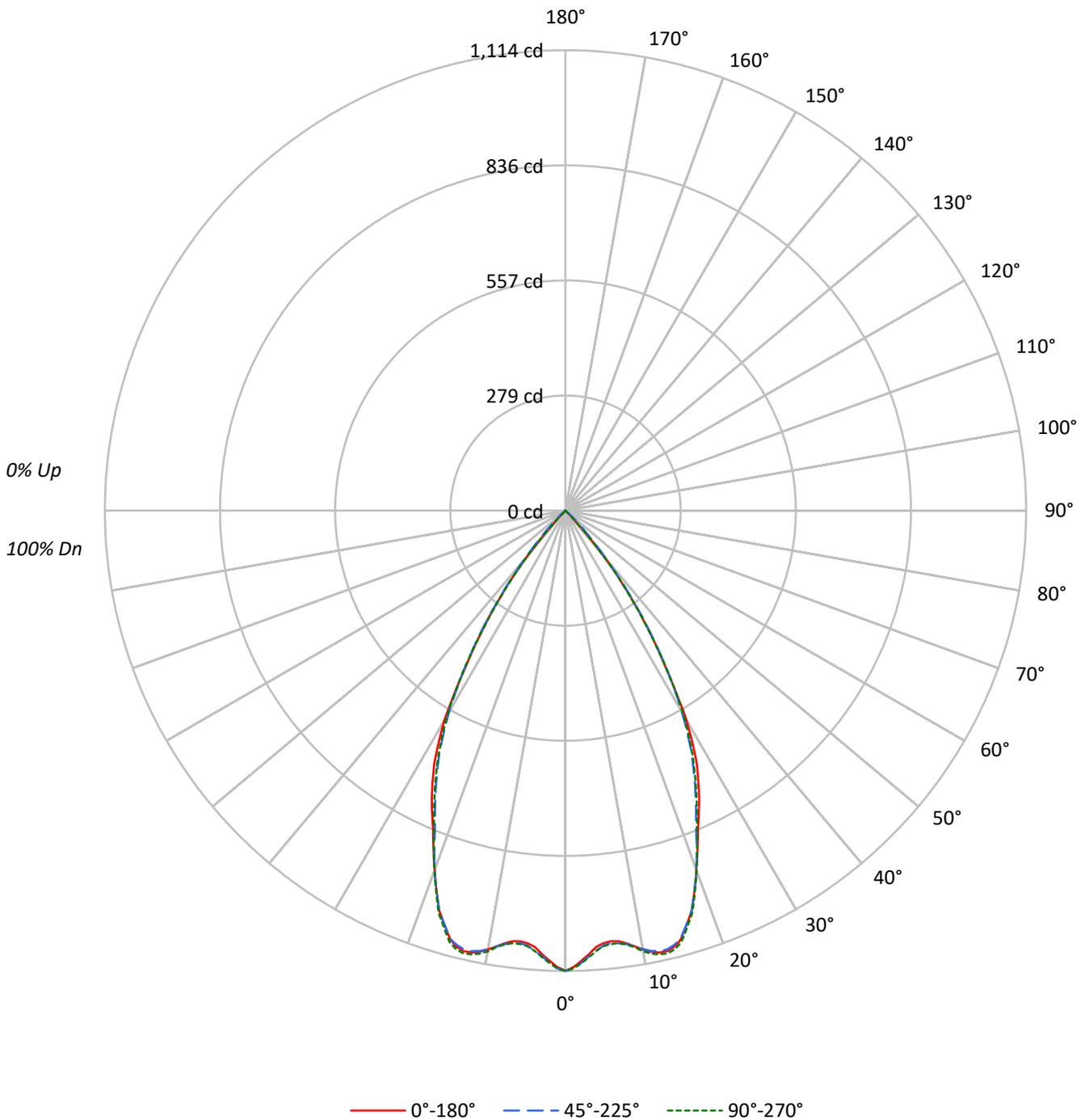
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 987.0 lumens
Efficiency: N/A
Efficacy: 88.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.93 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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

TEST NUMBER: P1311383
CATALOG NUMBER: LDSQA3D09R609040DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1311383

CATALOG NUMBER: LDSQA3D09R609040DE010 3LSQCDR1MMS

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	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	88	86	84	82
4	98	91	86	81	96	90	85	81	88	83	80	86	82	79	84	81	78	84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	75	72	69	67
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	71	67	64	63
8	81	71	66	62	79	71	65	61	70	65	61	69	64	61	68	64	61	68	64	61	59
9	77	67	62	58	76	67	61	58	66	61	57	65	61	57	64	60	57	64	60	57	56
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	61	57	54	53

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	191822	191822	191822
5°	181663	182614	182890
10°	188573	188310	189412
15°	191706	191421	192829
20°	169640	169640	169933
25°	145389	141038	142235
30°	116297	112081	113791
35°	72156	73649	71988
40°	31677	34870	32554
45°	390	11301	950
50°	0	1259	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 11301 cd/sqm



TEST NUMBER: P1311383

CATALOG NUMBER: LDSQA3D09R609040DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.7	10.3
10°-20°	294.9	29.9
20°-30°	342.3	34.7
30°-40°	215.6	21.8
40°-50°	32.4	3.3
50°-60°	0.2	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	738.9	74.9
0°-40°	954.5	96.7
0°-60°	987.0	100.0
0°-90°	987.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	987.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1114	1114	1114	1114	1114	
5°	1051	1055	1056	1059	1058	101
15°	1075	1071	1074	1081	1082	295
25°	765	756	742	745	748	348
35°	343	344	350	343	342	214
45°	2	15	46	20	4	21
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1311383

CATALOG NUMBER: LDSQA3D09R609040DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1113.8	1113.8	1113.8	1113.8	1113.8
1°	1105.1	1108.2	1108.2	1109.0	1108.2
2°	1090.1	1094.9	1094.9	1097.2	1095.7
3°	1075.2	1079.1	1079.9	1083.1	1082.3
4°	1058.7	1065.0	1067.3	1068.9	1068.1
5°	1050.8	1054.7	1056.3	1058.7	1057.9
6°	1047.6	1050.8	1052.4	1054.7	1054.7
7°	1050.0	1052.4	1054.7	1056.3	1054.7
8°	1057.1	1059.4	1059.4	1062.6	1060.2
9°	1067.3	1068.1	1068.1	1072.0	1069.7
10°	1078.3	1076.8	1076.8	1082.3	1083.1
11°	1087.8	1086.2	1085.4	1090.9	1092.5
12°	1093.3	1090.1	1090.1	1097.2	1098.0
13°	1094.1	1090.1	1090.1	1097.2	1099.6
14°	1087.8	1083.1	1083.8	1091.7	1094.1
15°	1075.2	1071.3	1073.6	1080.7	1081.5
17.5°	1015.4	1013.0	1014.6	1019.3	1020.1
20°	925.6	924.1	925.6	925.6	927.2
22.5°	836.7	832.8	824.9	829.6	830.4
25°	765.1	756.4	742.2	745.4	748.5
27.5°	686.4	675.3	660.4	664.3	665.1
30°	584.8	579.3	563.6	567.5	572.2
32.5°	451.8	466.8	457.3	456.5	457.3
35°	343.2	344.0	350.3	343.2	342.4
37.5°	240.1	240.9	245.6	237.7	238.5
40°	140.9	151.1	155.1	151.9	144.8
42.5°	44.1	77.9	88.2	76.3	48.8
45°	1.6	15.0	46.4	19.7	3.9
47.5°	0.0	0.8	22.0	1.6	0.0
50°	0.0	0.0	4.7	0.0	0.0
52.5°	0.0	0.0	0.8	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	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



TEST NUMBER: P1311383
CATALOG NUMBER: LDSQA3D09R609040DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)