

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: P1309147

Luminaire Tested: LDSQA3D09R609030DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309147
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: LDSQA3D09R609030DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

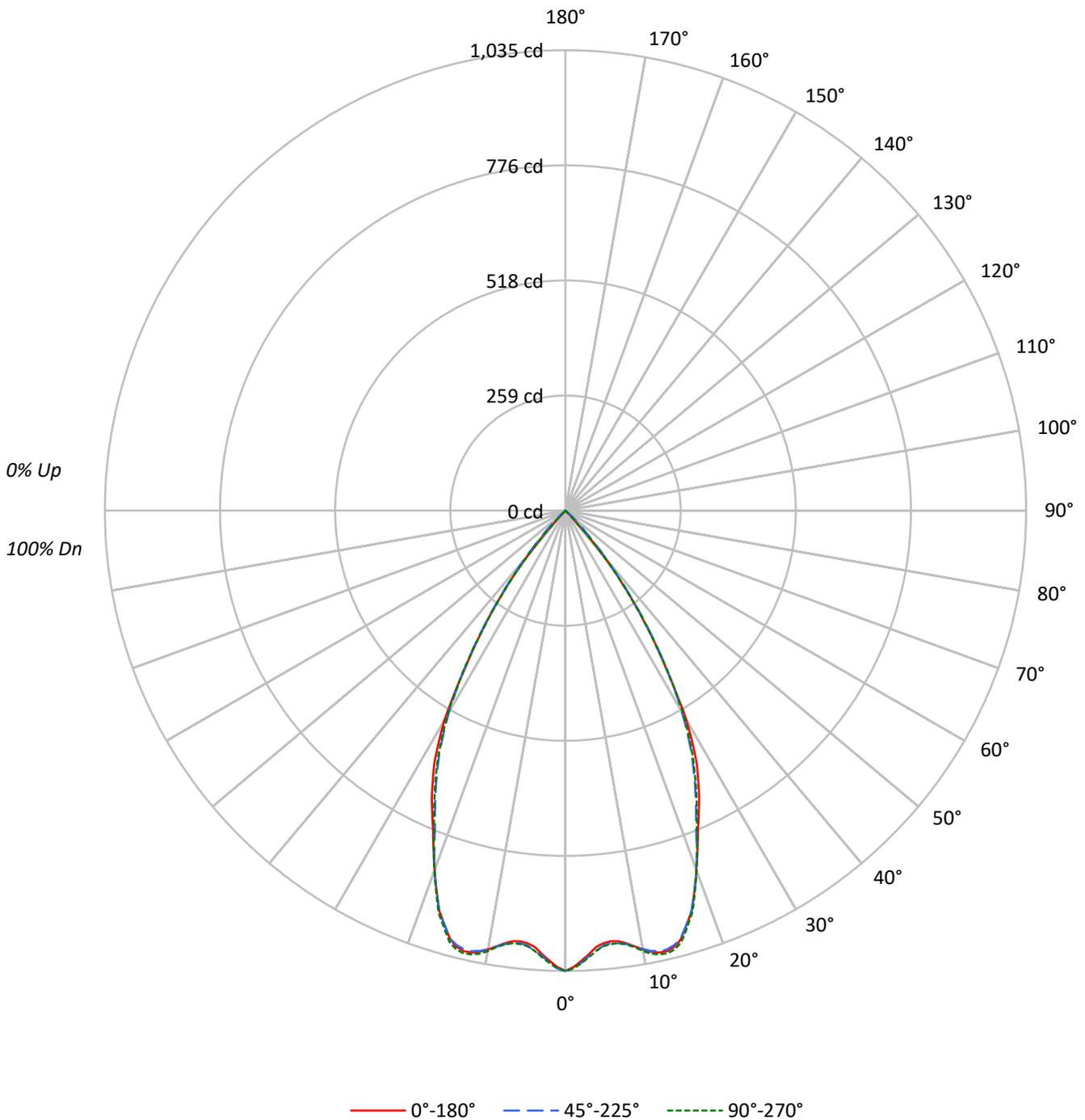
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 917.0 lumens
Efficiency: N/A
Efficacy: 82.6 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: P1309147
CATALOG NUMBER: LDSQA3D09R609030DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot





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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	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°	178216	178216	178216
5°	168783	169665	169907
10°	175212	174949	175964
15°	178102	177852	179154
20°	157617	157617	157892
25°	135071	131042	132164
30°	108044	104126	105717
35°	67026	68414	66879
40°	29429	32397	30261
45°	365	10497	901
50°	0	1179	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: 10497 cd/sqm



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CATALOG NUMBER: LDSQA3D09R609030DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.5	10.3
10°-20°	273.9	29.9
20°-30°	318.0	34.7
30°-40°	200.3	21.8
40°-50°	30.1	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°	686.5	74.9
0°-40°	886.8	96.7
0°-60°	917.0	100.0
0°-90°	917.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	917.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1035	1035	1035	1035	1035	
5°	976	980	981	984	983	94
15°	999	995	998	1004	1005	274
25°	711	703	690	692	696	323
35°	319	320	325	319	318	199
45°	2	14	43	18	4	20
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



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 CATALOG NUMBER: LDSQA3D09R609030DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1034.8	1034.8	1034.8	1034.8	1034.8
1°	1026.7	1029.6	1029.6	1030.4	1029.6
2°	1012.8	1017.2	1017.2	1019.4	1017.9
3°	998.9	1002.6	1003.3	1006.2	1005.5
4°	983.6	989.4	991.6	993.1	992.4
5°	976.3	979.9	981.4	983.6	982.8
6°	973.3	976.3	977.7	979.9	979.9
7°	975.5	977.7	979.9	981.4	979.9
8°	982.1	984.3	984.3	987.2	985.0
9°	991.6	992.4	992.4	996.0	993.8
10°	1001.9	1000.4	1000.4	1005.5	1006.2
11°	1010.6	1009.2	1008.4	1013.6	1015.0
12°	1015.8	1012.8	1012.8	1019.4	1020.1
13°	1016.5	1012.8	1012.8	1019.4	1021.6
14°	1010.6	1006.2	1007.0	1014.3	1016.5
15°	998.9	995.3	997.5	1004.1	1004.8
17.5°	943.4	941.2	942.6	947.0	947.7
20°	860.0	858.5	860.0	860.0	861.5
22.5°	777.4	773.7	766.4	770.8	771.5
25°	710.8	702.8	689.6	692.5	695.5
27.5°	637.7	627.4	613.5	617.2	617.9
30°	543.3	538.2	523.6	527.3	531.6
32.5°	419.8	433.7	424.9	424.1	424.9
35°	318.8	319.6	325.4	318.8	318.1
37.5°	223.0	223.8	228.2	220.8	221.6
40°	130.9	140.4	144.1	141.1	134.6
42.5°	41.0	72.4	81.9	70.9	45.3
45°	1.5	13.9	43.1	18.3	3.7
47.5°	0.0	0.7	20.5	1.5	0.0
50°	0.0	0.0	4.4	0.0	0.0
52.5°	0.0	0.0	0.7	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: P1309147
CATALOG NUMBER: LDSQA3D09R609030DE010 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)