

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: P1309411

Luminaire Tested: LDSQA3D17R309030DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309411
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R309030DE010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

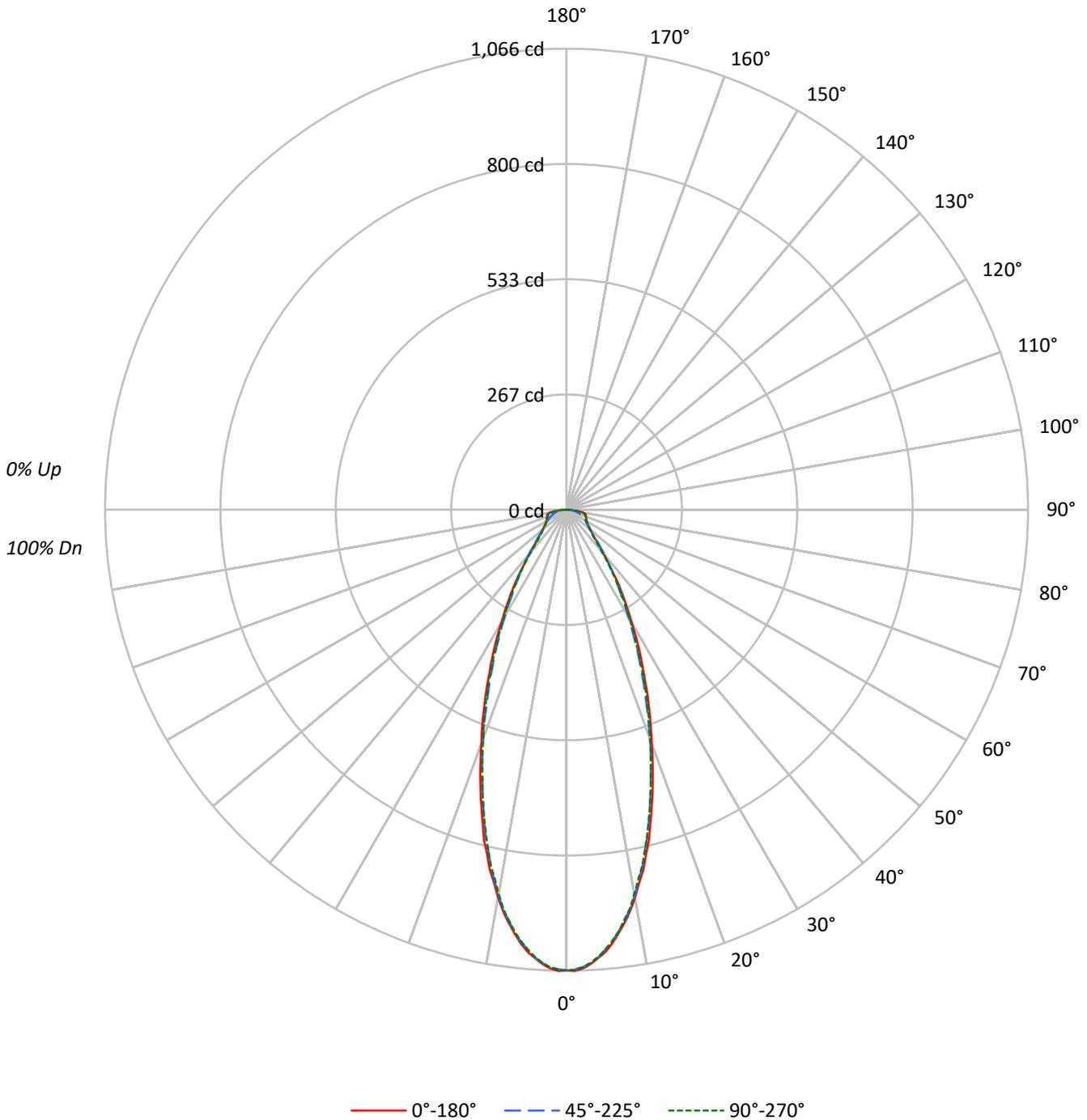
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 840.0 lumens
Efficiency: N/A
Efficacy: 39.6 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
Input Voltage (V): NR
Input Current (A_{in}): 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: P1309411
CATALOG NUMBER: LDSQA3D17R309030DE010 3LSQPHRLP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1309411

CATALOG NUMBER: LDSQA3D17R309030DE010 3LSQPHRLP1MW

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	100	100	100	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89	89	89	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79	79	79	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72	72	72	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66	66	66	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61	61	61	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56	56	56	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	52	52	52	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	49	49	49	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46	46	46	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	43	43	43	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	183452	183452	183452
5°	177479	176597	176597
10°	159280	158388	157706
15°	133492	131441	131209
20°	105402	103276	103276
25°	80666	77493	78956
30°	59859	56796	58069
35°	43268	41376	41650
40°	29789	30373	28912
45°	22237	23187	21311
50°	19291	18970	18970
55°	18166	17385	17775
60°	18600	17291	18152
65°	20457	17319	19927
70°	23969	17473	23314
75°	30809	18831	29944
80°	38283	20431	35704
85°	30431	20353	28060

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 38283 cd/sqm



TEST NUMBER: P1309411

CATALOG NUMBER: LDSQA3D17R309030DE010 3LSQPHRLP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.9	11.2
10°-20°	204.3	24.3
20°-30°	190.3	22.7
30°-40°	126.3	15.0
40°-50°	73.5	8.8
50°-60°	53.5	6.4
60°-70°	45.2	5.4
70°-80°	37.4	4.5
80°-90°	15.6	1.9
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°	488.5	58.2
0°-40°	614.7	73.2
0°-60°	741.8	88.3
0°-90°	840.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	840.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1065	1065	1065	1065	1065	
5°	1027	1025	1022	1022	1022	94
15°	749	741	737	736	736	207
25°	424	417	408	409	416	196
35°	206	202	197	198	198	129
45°	91	93	95	90	88	73
55°	60	59	58	59	59	55
65°	50	45	42	45	49	50
75°	46	35	28	35	45	47
85°	15	18	10	17	14	18
90°	0	0	0	0	0	



TEST NUMBER: P1309411

CATALOG NUMBER: LDSQA3D17R309030DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1065.2	1065.2	1065.2	1065.2	1065.2
1°	1066.5	1065.2	1062.6	1063.9	1063.9
2°	1061.3	1060.1	1058.8	1058.8	1058.8
3°	1052.3	1051.1	1049.8	1049.8	1049.8
4°	1039.5	1038.2	1038.2	1036.9	1036.9
5°	1026.6	1025.3	1021.5	1021.5	1021.5
6°	1008.6	1007.3	1004.7	1003.5	1003.5
7°	986.7	986.7	982.9	981.6	982.9
8°	963.6	962.3	959.7	958.4	958.4
9°	939.1	935.3	935.3	931.4	934.0
10°	910.8	908.3	905.7	903.1	901.8
11°	878.7	877.4	873.5	870.9	869.7
12°	851.7	845.2	842.6	838.8	841.4
13°	816.9	813.1	806.6	805.3	806.6
14°	787.3	779.6	774.5	771.9	770.6
15°	748.7	741.0	737.2	735.9	735.9
17.5°	662.5	657.4	647.1	647.1	647.1
20°	575.1	569.9	563.5	562.2	563.5
22.5°	499.2	490.1	479.9	481.1	488.9
25°	424.5	416.8	407.8	409.1	415.5
27.5°	361.5	351.2	342.2	344.8	348.6
30°	301.0	294.6	285.6	288.2	292.0
32.5°	249.6	245.7	235.4	238.0	241.9
35°	205.8	202.0	196.8	198.1	198.1
37.5°	164.7	164.7	163.4	162.1	160.8
40°	132.5	135.1	135.1	131.2	128.6
42.5°	108.1	110.6	113.2	108.1	104.2
45°	91.3	92.6	95.2	90.1	87.5
47.5°	79.8	79.8	82.3	78.5	77.2
50°	72.0	72.0	70.8	69.5	70.8
52.5°	65.6	64.3	63.0	64.3	64.3
55°	60.5	59.2	57.9	59.2	59.2
57.5°	56.6	55.3	54.0	54.0	55.3
60°	54.0	51.5	50.2	51.5	52.7
62.5°	51.5	47.6	46.3	47.6	50.2
65°	50.2	45.0	42.5	45.0	48.9
67.5°	48.9	42.5	38.6	42.5	47.6
70°	47.6	39.9	34.7	39.9	46.3
72.5°	46.3	37.3	32.2	37.3	46.3
75°	46.3	34.7	28.3	34.7	45.0
77.5°	43.7	32.2	24.4	32.2	42.5
80°	38.6	29.6	20.6	28.3	36.0
82.5°	28.3	25.7	15.4	24.4	27.0
85°	15.4	18.0	10.3	16.7	14.2
87.5°	2.6	3.9	2.6	7.7	5.1



TEST NUMBER: P1309411
CATALOG NUMBER: LDSQA3D17R309030DE010 3LSQPHRLP1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)