

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: P1320178

Luminaire Tested: LDSQA3D13R609840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320178
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R609840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

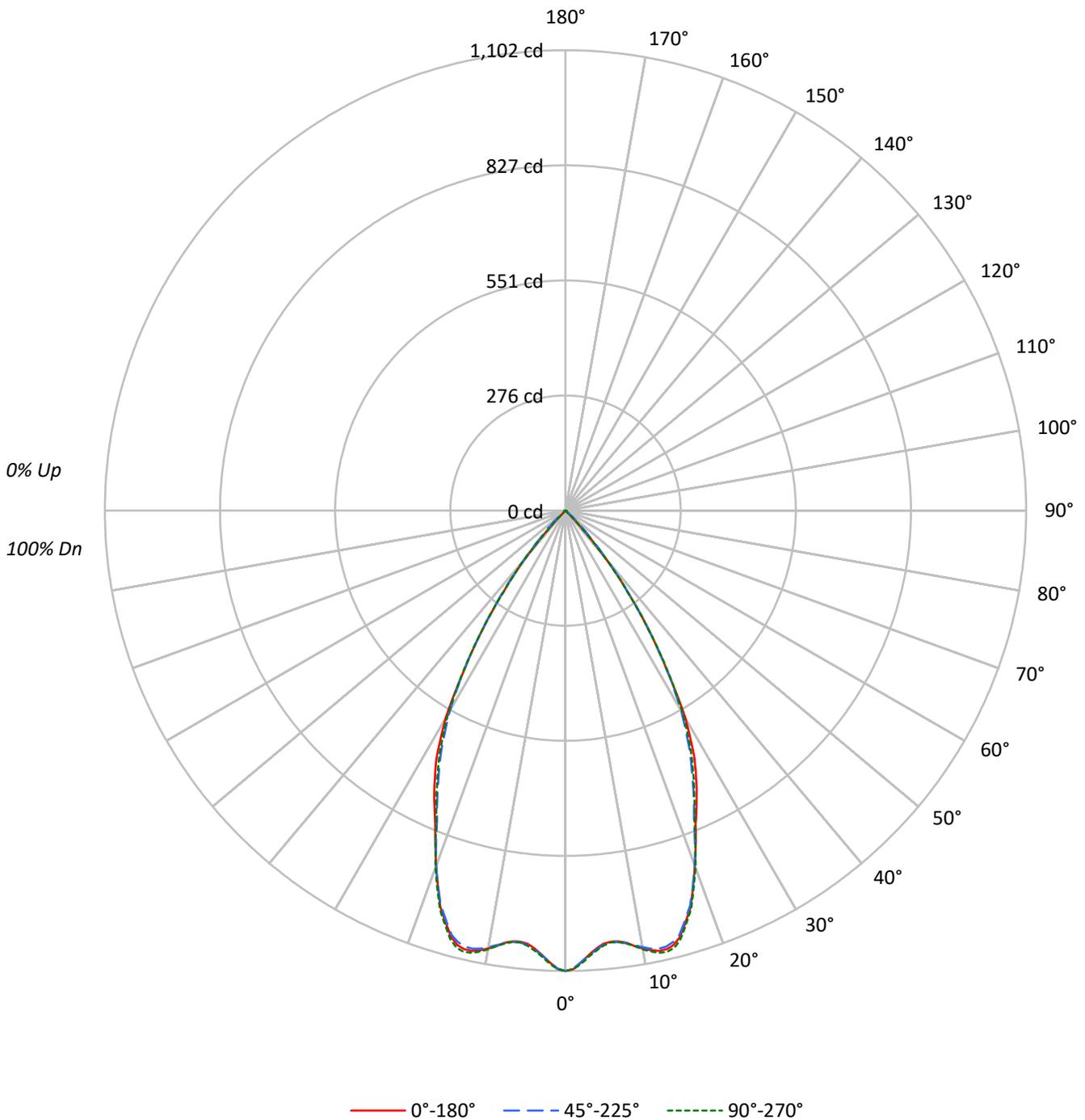
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 983.0 lumens
Efficiency: N/A
Efficacy: 67.8 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.92 / 0.9
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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: P1320178
CATALOG NUMBER: LDSQA3D13R609840DE010 3LSQCDR1MW

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			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	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	95	95	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	83	83	83	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	78	78	78	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	73	73	73	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	68	68	68	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	64	64	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	60	60	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	56	56	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	53	53	53	52

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	189807	189807	189807
5°	179899	180418	180695
10°	186142	185600	186544
15°	188407	187587	189513
20°	165901	165754	166597
25°	141171	137085	138244
30°	113950	109973	111802
35°	72114	72766	71946
40°	33723	35095	34240
45°	2070	12373	2436
50°	1018	2894	1018
55°	1141	1141	1141
60°	1068	1068	1068
65°	937	1263	937
70°	1158	1158	1158
75°	998	998	998
80°	793	793	793
85°	1581	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 12373 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.4	10.2
10°-20°	289.3	29.4
20°-30°	333.5	33.9
30°-40°	214.1	21.8
40°-50°	37.2	3.8
50°-60°	3.5	0.4
60°-70°	2.7	0.3
70°-80°	1.6	0.2
80°-90°	0.5	0.1
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°	723.2	73.6
0°-40°	937.4	95.4
0°-60°	978.1	99.5
0°-90°	983.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	983.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1102	1102	1102	1102	1102	
5°	1041	1043	1044	1046	1045	100
15°	1057	1053	1052	1059	1063	290
25°	743	734	721	722	728	339
35°	343	341	346	339	342	214
45°	8	25	51	30	10	28
55°	4	4	4	4	4	3
65°	2	3	3	3	2	3
75°	2	2	2	2	2	2
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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 CATALOG NUMBER: LDSQA3D13R609840DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1102.1	1102.1	1102.1	1102.1	1102.1
1°	1097.5	1096.7	1095.9	1096.7	1097.5
2°	1082.1	1081.3	1080.5	1083.6	1085.2
3°	1065.2	1065.9	1066.7	1068.2	1069.0
4°	1051.3	1052.9	1053.6	1055.2	1055.9
5°	1040.6	1042.9	1043.6	1045.9	1045.2
6°	1037.5	1039.0	1039.8	1040.6	1039.0
7°	1039.0	1039.8	1040.6	1042.1	1040.6
8°	1044.4	1045.2	1045.9	1046.7	1046.7
9°	1055.2	1053.6	1052.9	1055.9	1055.2
10°	1064.4	1062.1	1061.3	1065.9	1066.7
11°	1072.1	1069.0	1068.2	1073.6	1075.2
12°	1077.5	1072.9	1072.1	1079.0	1082.1
13°	1077.5	1071.3	1071.3	1079.0	1083.6
14°	1071.3	1064.4	1064.4	1072.9	1078.2
15°	1056.7	1052.9	1052.1	1059.0	1062.9
17.5°	995.2	990.6	991.3	999.0	999.8
20°	905.2	902.9	904.4	906.0	909.0
22.5°	813.7	812.1	803.7	806.0	807.5
25°	742.9	734.5	721.4	722.2	727.5
27.5°	668.3	659.9	641.4	645.3	650.6
30°	573.0	566.0	553.0	555.3	562.2
32.5°	449.9	463.8	451.4	455.3	453.0
35°	343.0	340.7	346.1	339.2	342.2
37.5°	241.5	242.3	244.6	238.4	238.4
40°	150.0	153.8	156.1	153.0	152.3
42.5°	63.1	86.1	90.8	86.1	63.8
45°	8.5	25.4	50.8	30.0	10.0
47.5°	3.8	5.4	26.9	5.4	3.8
50°	3.8	3.8	10.8	3.8	3.8
52.5°	3.8	3.8	3.8	3.8	3.8
55°	3.8	3.8	3.8	3.8	3.8
57.5°	3.8	3.8	3.8	3.8	3.8
60°	3.1	3.1	3.1	3.1	3.1
62.5°	3.1	3.1	3.1	3.1	3.1
65°	2.3	3.1	3.1	3.1	2.3
67.5°	2.3	2.3	2.3	2.3	2.3
70°	2.3	2.3	2.3	2.3	2.3
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1320178
CATALOG NUMBER: LDSQA3D13R609840DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)