

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: P1308197

Luminaire Tested: LDSQA3D13R609027DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308197
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: LDSQA3D13R609027DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

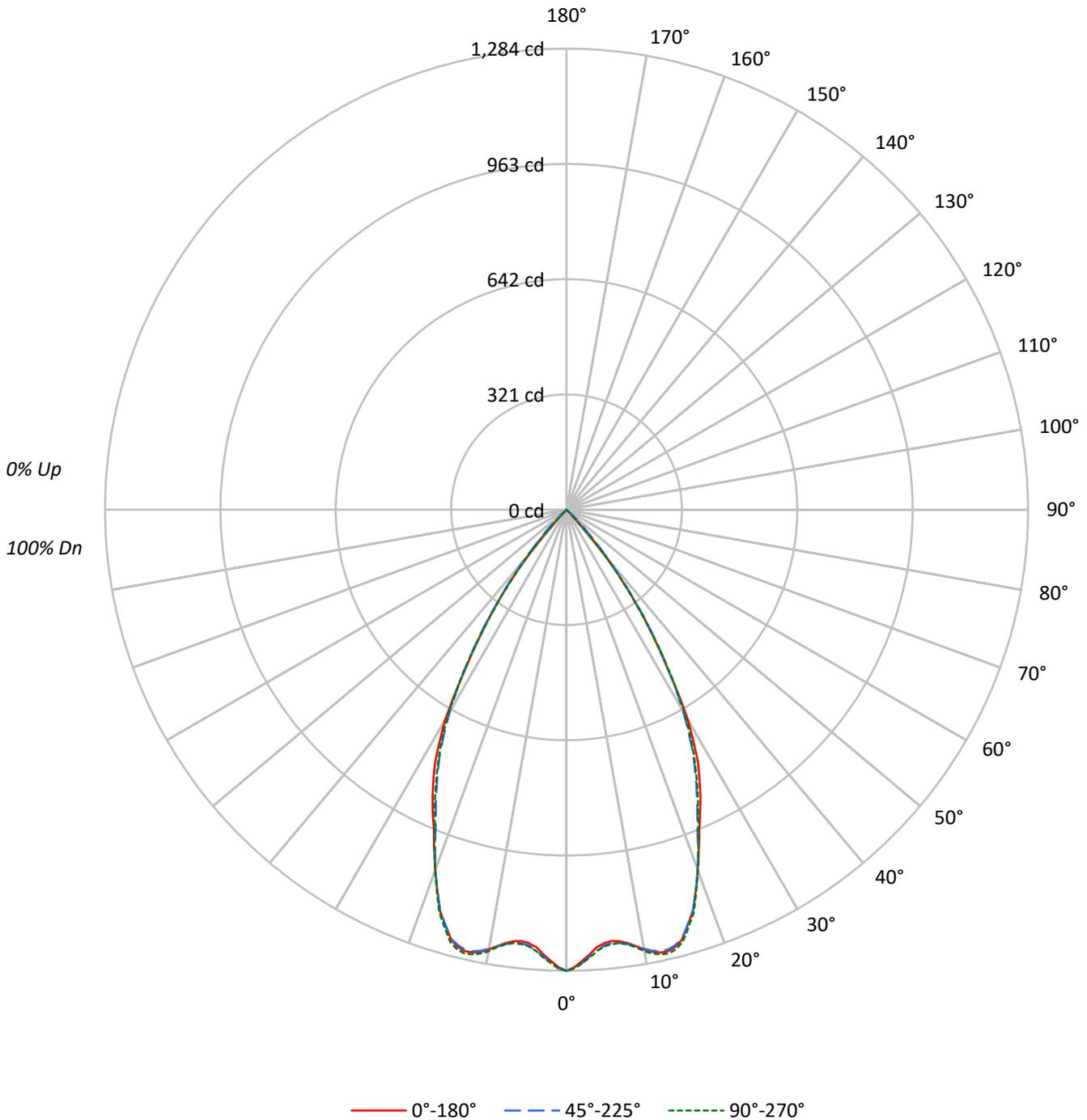
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1138.0 lumens
Efficiency: N/A
Efficacy: 77.9 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): 14.6
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





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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°	221151	221151	221151
5°	209445	210551	210862
10°	217428	217113	218389
15°	221036	220715	222320
20°	195592	195592	195940
25°	167623	162625	164012
30°	134095	129223	131212
35°	83194	84897	83005
40°	36511	40198	37545
45°	438	13030	1096
50°	0	1447	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: 13030 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.3	10.3
10°-20°	340.0	29.9
20°-30°	394.7	34.7
30°-40°	248.5	21.8
40°-50°	37.3	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°	851.9	74.9
0°-40°	1100.5	96.7
0°-60°	1138.0	100.0
0°-90°	1138.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1138.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1284	1284	1284	1284	1284	
5°	1212	1216	1218	1221	1220	117
15°	1240	1235	1238	1246	1247	340
25°	882	872	856	859	863	401
35°	396	397	404	396	395	247
45°	2	17	54	23	4	24
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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1284.1	1284.1	1284.1	1284.1	1284.1
1°	1274.2	1277.8	1277.8	1278.7	1277.8
2°	1256.9	1262.4	1262.4	1265.1	1263.3
3°	1239.7	1244.2	1245.1	1248.8	1247.8
4°	1220.6	1227.9	1230.6	1232.4	1231.5
5°	1211.5	1216.1	1217.9	1220.6	1219.7
6°	1207.9	1211.5	1213.4	1216.1	1216.1
7°	1210.6	1213.4	1216.1	1217.9	1216.1
8°	1218.8	1221.5	1221.5	1225.2	1222.4
9°	1230.6	1231.5	1231.5	1236.0	1233.3
10°	1243.3	1241.5	1241.5	1247.8	1248.8
11°	1254.2	1252.4	1251.5	1257.8	1259.6
12°	1260.6	1256.9	1256.9	1265.1	1266.0
13°	1261.5	1256.9	1256.9	1265.1	1267.8
14°	1254.2	1248.8	1249.7	1258.7	1261.5
15°	1239.7	1235.1	1237.9	1246.0	1246.9
17.5°	1170.7	1168.0	1169.8	1175.2	1176.2
20°	1067.2	1065.4	1067.2	1067.2	1069.1
22.5°	964.7	960.2	951.1	956.5	957.4
25°	882.1	872.1	855.8	859.4	863.1
27.5°	791.4	778.7	761.4	766.0	766.9
30°	674.3	667.9	649.8	654.3	659.8
32.5°	520.9	538.2	527.3	526.4	527.3
35°	395.7	396.6	403.8	395.7	394.8
37.5°	276.8	277.7	283.1	274.1	275.0
40°	162.4	174.2	178.8	175.2	167.0
42.5°	50.8	89.8	101.6	88.0	56.3
45°	1.8	17.2	53.5	22.7	4.5
47.5°	0.0	0.9	25.4	1.8	0.0
50°	0.0	0.0	5.4	0.0	0.0
52.5°	0.0	0.0	0.9	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



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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)