

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: P1323986

Luminaire Tested: LDSQA3D13R709030D2WDE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323986
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R709030D2WDE010 3LSQCDR1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

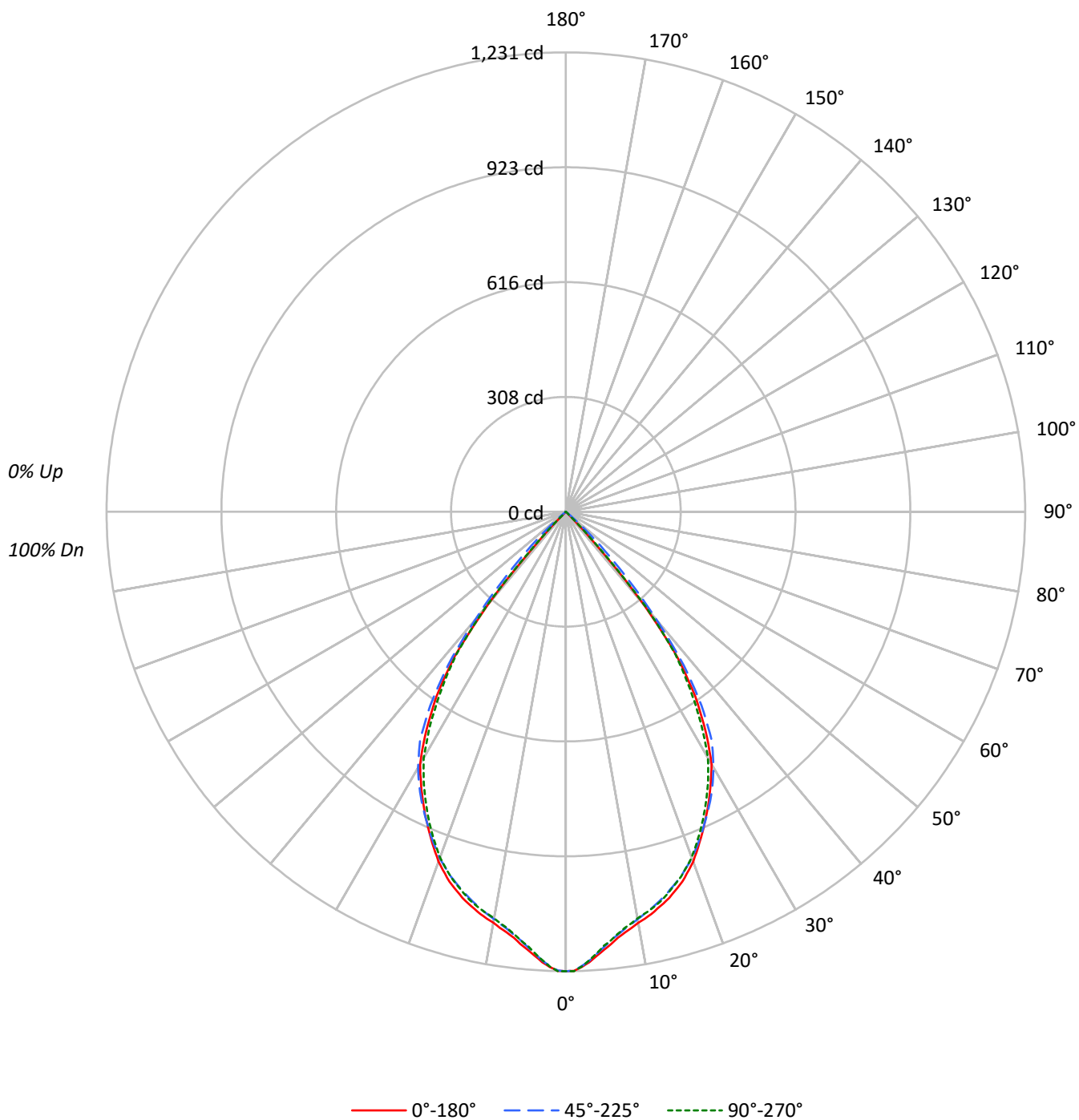
Lumens per Lamp: N/A
Luminaire Lumens: 1274.0 lumens
Efficiency: N/A
Efficacy: 63.4 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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

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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			
RW	70	50	30	10	70	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		
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	98	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86		
3	102	95	90	86	100	94	89	85	91	87	84	89	86	83	87	84	81	80		
4	96	89	83	79	95	88	82	78	85	81	77	83	79	76	81	78	75	74		
5	91	83	77	72	90	82	76	72	80	75	71	78	74	71	77	73	70	68		
6	86	77	71	67	85	76	71	66	75	70	66	73	69	65	72	68	65	63		
7	82	72	66	62	80	71	66	61	70	65	61	69	64	61	68	64	60	59		
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55		
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51		
10	70	60	54	50	69	59	53	50	58	53	49	58	53	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	212075	212075	212075
5°	203584	202460	201907
10°	195568	193871	193504
15°	190939	188247	188639
20°	182836	181058	180673
25°	169713	170131	167470
30°	155334	157482	151476
35°	127072	133190	122089
40°	73157	85252	75090
45°	1047	35414	3678
50°	0	3751	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: 35414 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.9	8.6
10°-20°	297.7	23.4
20°-30°	409.0	32.1
30°-40°	370.8	29.1
40°-50°	86.2	6.8
50°-60°	0.4	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°	816.6	64.1
0°-40°	1187.4	93.2
0°-60°	1274.0	100.0
0°-90°	1274.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1274.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1231	1231	1231	1231	1231	
5°	1178	1174	1171	1169	1168	111
15°	1071	1063	1056	1056	1058	300
25°	893	897	895	887	881	410
35°	604	613	634	607	581	363
45°	4	48	145	62	15	52
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1231.4	1231.4	1231.4	1231.4	1231.4
1°	1230.4	1228.2	1229.3	1230.4	1231.4
2°	1220.7	1218.5	1218.5	1219.6	1219.6
3°	1208.8	1204.5	1204.5	1203.4	1203.4
4°	1192.6	1189.4	1187.3	1186.2	1186.2
5°	1177.6	1174.3	1171.1	1168.9	1167.9
6°	1164.6	1159.2	1154.9	1153.9	1154.9
7°	1149.6	1146.3	1142.0	1138.8	1139.9
8°	1138.8	1134.5	1129.1	1126.9	1126.9
9°	1129.1	1124.8	1119.4	1115.1	1117.2
10°	1118.3	1114.0	1108.6	1105.4	1106.5
11°	1110.8	1105.4	1098.9	1096.8	1097.8
12°	1102.1	1095.7	1089.2	1088.1	1090.3
13°	1091.4	1084.9	1078.4	1078.4	1080.6
14°	1081.7	1074.1	1067.7	1067.7	1070.9
15°	1070.9	1063.4	1055.8	1055.8	1058.0
17.5°	1038.6	1032.1	1024.6	1024.6	1025.7
20°	997.6	994.4	987.9	984.7	985.8
22.5°	945.9	945.9	942.7	937.3	935.2
25°	893.1	897.4	895.3	886.7	881.3
27.5°	838.2	845.7	846.8	833.9	824.2
30°	781.1	787.6	791.9	776.8	761.7
32.5°	697.1	716.4	727.2	706.8	675.5
35°	604.4	613.0	633.5	606.6	580.7
37.5°	491.3	502.1	519.3	497.7	482.7
40°	325.4	368.5	379.2	368.5	334.0
42.5°	117.4	206.9	248.9	211.2	137.9
45°	4.3	48.5	145.4	62.5	15.1
47.5°	0.0	1.1	65.7	2.2	0.0
50°	0.0	0.0	14.0	0.0	0.0
52.5°	0.0	0.0	1.1	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)