

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: P1313905

Luminaire Tested: LDSQA3D17R709727DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313905
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: LDSQA3D17R709727DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

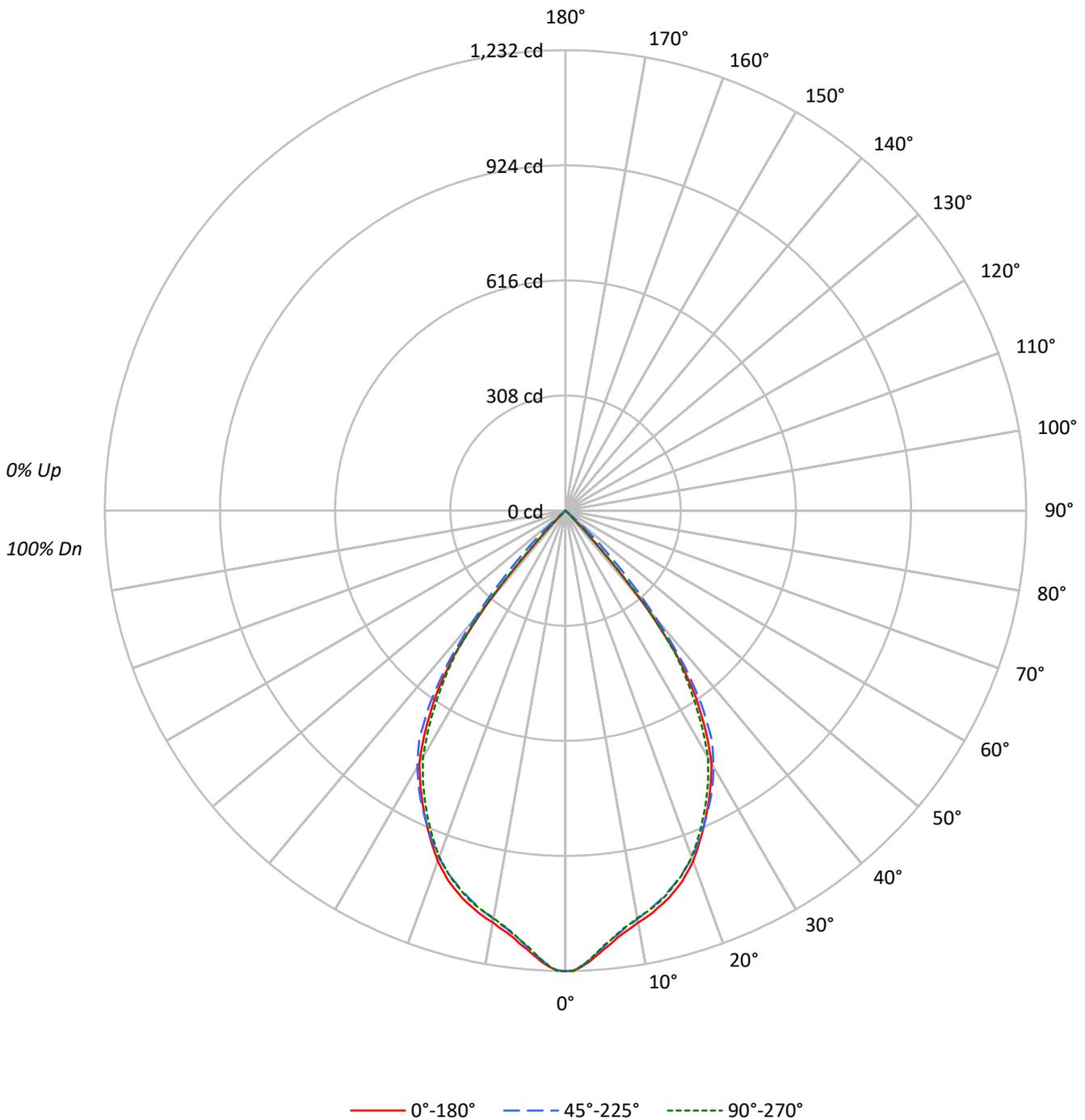
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1275.0 lumens
Efficiency: N/A
Efficacy: 60.1 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): 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: P1313905
CATALOG NUMBER: LDSQA3D17R709727DE010 3LSQCDR1MMS

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	212247	212247	212247
5°	203740	202616	202063
10°	195725	194029	193644
15°	191082	188390	188782
20°	182982	181204	180820
25°	169846	170264	167604
30°	155453	157601	151595
35°	127177	133295	122194
40°	73202	85319	75135
45°	1047	35462	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: 35462 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.0	8.6
10°-20°	297.9	23.4
20°-30°	409.3	32.1
30°-40°	371.1	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°	817.2	64.1
0°-40°	1188.3	93.2
0°-60°	1275.0	100.0
0°-90°	1275.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1275.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1232	1232	1232	1232	1232	
5°	1178	1175	1172	1170	1169	111
15°	1072	1064	1057	1057	1059	301
25°	894	898	896	887	882	410
35°	605	614	634	607	581	363
45°	4	48	146	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1232.4	1232.4	1232.4	1232.4	1232.4
1°	1231.3	1229.2	1230.2	1231.3	1232.4
2°	1221.6	1219.5	1219.5	1220.5	1220.5
3°	1209.8	1205.4	1205.4	1204.4	1204.4
4°	1193.6	1190.3	1188.2	1187.1	1187.1
5°	1178.5	1175.3	1172.0	1169.9	1168.8
6°	1165.5	1160.2	1155.8	1154.8	1155.8
7°	1150.5	1147.2	1142.9	1139.7	1140.7
8°	1139.7	1135.4	1130.0	1127.8	1127.8
9°	1130.0	1125.7	1120.3	1116.0	1118.1
10°	1119.2	1114.9	1109.5	1106.2	1107.3
11°	1111.6	1106.2	1099.8	1097.6	1098.7
12°	1103.0	1096.5	1090.1	1089.0	1091.2
13°	1092.2	1085.8	1079.3	1079.3	1081.4
14°	1082.5	1075.0	1068.5	1068.5	1071.7
15°	1071.7	1064.2	1056.6	1056.6	1058.8
17.5°	1039.4	1032.9	1025.4	1025.4	1026.5
20°	998.4	995.2	988.7	985.5	986.6
22.5°	946.7	946.7	943.4	938.0	935.9
25°	893.8	898.2	896.0	887.4	882.0
27.5°	838.8	846.4	847.5	834.5	824.8
30°	781.7	788.2	792.5	777.4	762.3
32.5°	697.6	717.0	727.8	707.3	676.0
35°	604.9	613.5	634.0	607.0	581.2
37.5°	491.7	502.4	519.7	498.1	483.0
40°	325.6	368.7	379.5	368.7	334.2
42.5°	117.5	207.0	249.1	211.3	138.0
45°	4.3	48.5	145.6	62.5	15.1
47.5°	0.0	1.1	65.8	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



TEST NUMBER: P1313905
CATALOG NUMBER: LDSQA3D17R709727DE010 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)