

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: P1315849

Luminaire Tested: LDSQA3D17R709735DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315849
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: LDSQA3D17R709735DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

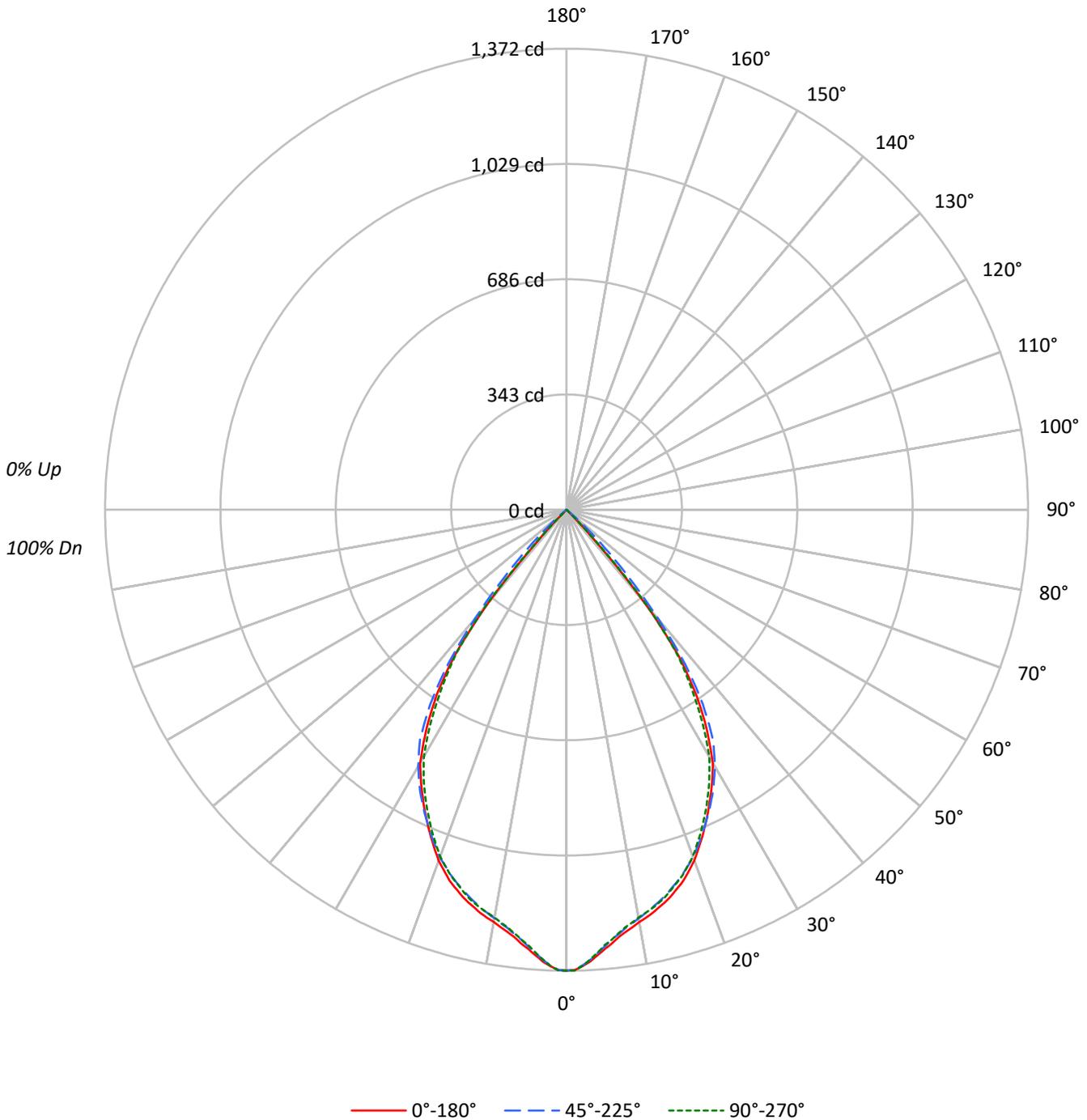
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1419.0 lumens
Efficiency: N/A
Efficacy: 66.9 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 (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			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°	236221	236221	236221
5°	226750	225505	224883
10°	217830	215941	215521
15°	212674	209678	210106
20°	203656	201676	201237
25°	189039	189495	186530
30°	173013	175399	168718
35°	141537	148349	135986
40°	81475	94964	83633
45°	1169	39457	4092
50°	0	4180	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: 39457 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.4	8.6
10°-20°	331.6	23.4
20°-30°	455.5	32.1
30°-40°	413.0	29.1
40°-50°	96.0	6.8
50°-60°	0.5	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°	909.5	64.1
0°-40°	1322.5	93.2
0°-60°	1419.0	100.0
0°-90°	1419.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1419.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1372	1372	1372	1372	1372	
5°	1312	1308	1304	1302	1301	123
15°	1193	1184	1176	1176	1178	335
25°	995	1000	997	988	982	456
35°	673	683	706	676	647	404
45°	5	54	162	70	17	58
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°	1371.6	1371.6	1371.6	1371.6	1371.6
1°	1370.4	1368.0	1369.2	1370.4	1371.6
2°	1359.6	1357.2	1357.2	1358.4	1358.4
3°	1346.4	1341.6	1341.6	1340.4	1340.4
4°	1328.4	1324.8	1322.4	1321.2	1321.2
5°	1311.6	1308.0	1304.4	1302.0	1300.8
6°	1297.2	1291.2	1286.4	1285.2	1286.4
7°	1280.4	1276.8	1272.0	1268.4	1269.6
8°	1268.4	1263.6	1257.6	1255.2	1255.2
9°	1257.6	1252.8	1246.8	1242.0	1244.4
10°	1245.6	1240.8	1234.8	1231.2	1232.4
11°	1237.2	1231.2	1224.0	1221.6	1222.8
12°	1227.6	1220.4	1213.2	1212.0	1214.4
13°	1215.6	1208.4	1201.2	1201.2	1203.6
14°	1204.8	1196.4	1189.2	1189.2	1192.8
15°	1192.8	1184.4	1176.0	1176.0	1178.4
17.5°	1156.8	1149.6	1141.2	1141.2	1142.4
20°	1111.2	1107.6	1100.4	1096.8	1098.0
22.5°	1053.6	1053.6	1050.0	1044.0	1041.6
25°	994.8	999.6	997.2	987.6	981.6
27.5°	933.6	942.0	943.2	928.8	918.0
30°	870.0	877.2	882.0	865.2	848.4
32.5°	776.4	798.0	810.0	787.2	752.4
35°	673.2	682.8	705.6	675.6	646.8
37.5°	547.2	559.2	578.4	554.4	537.6
40°	362.4	410.4	422.4	410.4	372.0
42.5°	130.8	230.4	277.2	235.2	153.6
45°	4.8	54.0	162.0	69.6	16.8
47.5°	0.0	1.2	73.2	2.4	0.0
50°	0.0	0.0	15.6	0.0	0.0
52.5°	0.0	0.0	1.2	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)