

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: P1315691

Luminaire Tested: LDSQA3D13R609735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315691  
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: LDSQA3D13R609735DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

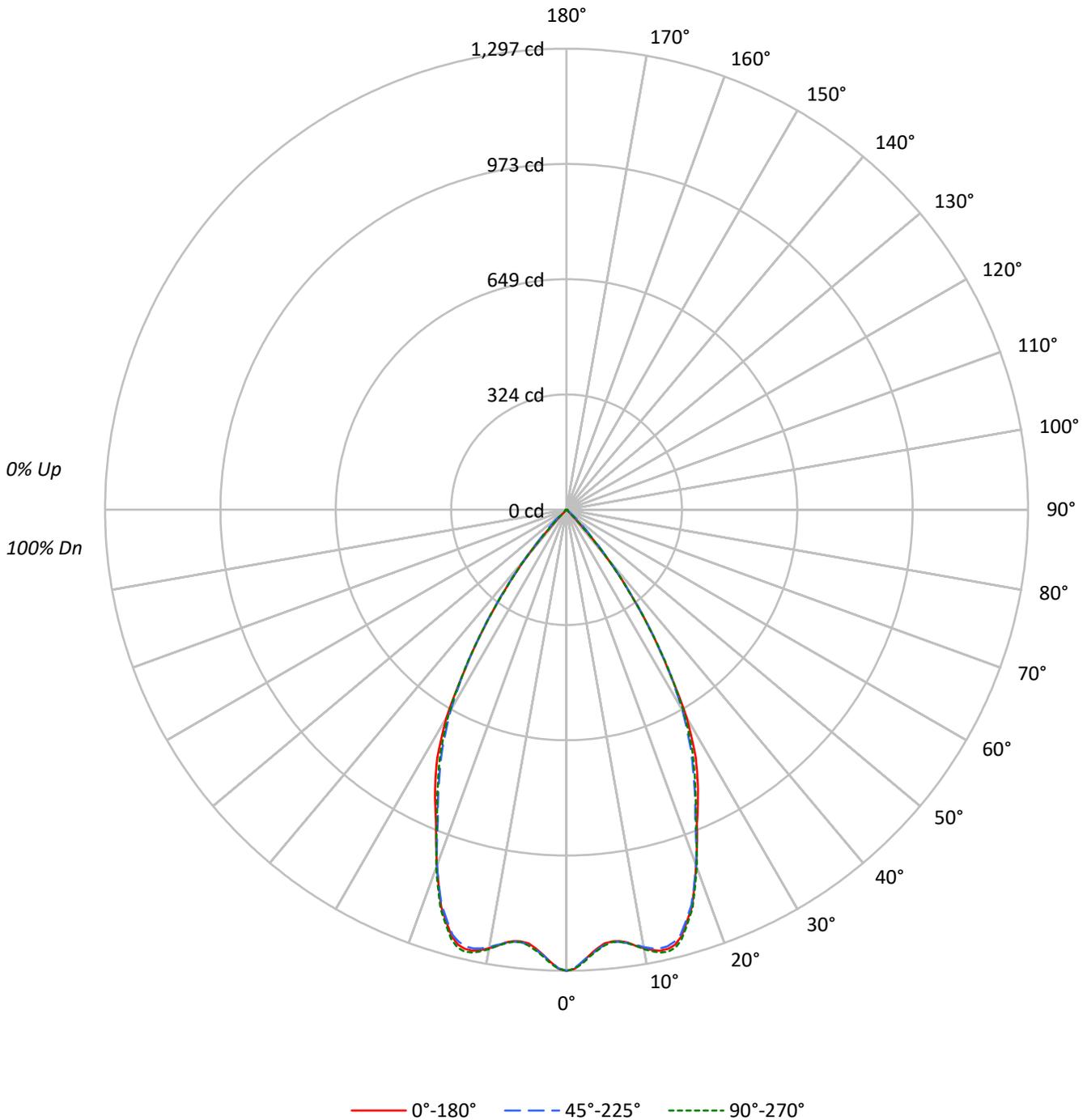
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1156.9 lumens  
Efficiency: N/A  
Efficacy: 79.2 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): 14.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	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°	223407	223407	223407
5°	211727	212366	212678
10°	219089	218459	219561
15°	221767	220786	223051
20°	195262	195097	196105
25°	166159	161352	162720
30°	134115	129422	131589
35°	84876	85633	84687
40°	39681	41322	40288
45°	2436	14541	2874
50°	1206	3403	1206
55°	1351	1351	1351
60°	1240	1240	1240
65°	1100	1467	1100
70°	1360	1360	1360
75°	1198	1198	1198
80°	893	893	893
85°	1778	1778	1778

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 14541 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.2	10.2
10°-20°	340.5	29.4
20°-30°	392.5	33.9
30°-40°	252.0	21.8
40°-50°	43.8	3.8
50°-60°	4.2	0.4
60°-70°	3.2	0.3
70°-80°	1.9	0.2
80°-90°	0.6	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°	851.2	73.6
0°-40°	1103.3	95.4
0°-60°	1151.2	99.5
0°-90°	1156.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1156.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1297	1297	1297	1297	1297	
5°	1225	1228	1228	1231	1230	118
15°	1244	1239	1238	1246	1251	341
25°	874	864	849	850	856	399
35°	404	401	407	399	403	252
45°	10	30	60	35	12	33
55°	4	4	4	4	4	4
65°	3	4	4	4	3	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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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1297.2	1297.2	1297.2	1297.2	1297.2
1°	1291.7	1290.8	1289.9	1290.8	1291.7
2°	1273.6	1272.7	1271.8	1275.4	1277.2
3°	1253.7	1254.6	1255.5	1257.3	1258.2
4°	1237.4	1239.2	1240.1	1241.9	1242.9
5°	1224.7	1227.5	1228.4	1231.1	1230.2
6°	1221.1	1222.9	1223.8	1224.7	1222.9
7°	1222.9	1223.8	1224.7	1226.6	1224.7
8°	1229.3	1230.2	1231.1	1232.0	1232.0
9°	1241.9	1240.1	1239.2	1242.9	1241.9
10°	1252.8	1250.1	1249.2	1254.6	1255.5
11°	1261.9	1258.2	1257.3	1263.7	1265.5
12°	1268.2	1262.8	1261.9	1270.0	1273.6
13°	1268.2	1261.0	1261.0	1270.0	1275.4
14°	1261.0	1252.8	1252.8	1262.8	1269.1
15°	1243.8	1239.2	1238.3	1246.5	1251.0
17.5°	1171.3	1165.9	1166.8	1175.9	1176.8
20°	1065.4	1062.7	1064.5	1066.3	1070.0
22.5°	957.7	955.9	945.9	948.7	950.5
25°	874.4	864.5	849.1	850.0	856.3
27.5°	786.6	776.7	754.9	759.5	765.8
30°	674.4	666.2	650.8	653.6	661.7
32.5°	529.5	545.8	531.4	535.9	533.2
35°	403.7	401.0	407.3	399.2	402.8
37.5°	284.2	285.1	287.9	280.6	280.6
40°	176.5	181.0	183.8	180.1	179.2
42.5°	74.2	101.4	106.8	101.4	75.1
45°	10.0	29.9	59.7	35.3	11.8
47.5°	4.5	6.3	31.7	6.3	4.5
50°	4.5	4.5	12.7	4.5	4.5
52.5°	4.5	4.5	4.5	4.5	4.5
55°	4.5	4.5	4.5	4.5	4.5
57.5°	4.5	4.5	4.5	4.5	4.5
60°	3.6	3.6	3.6	3.6	3.6
62.5°	3.6	3.6	3.6	3.6	3.6
65°	2.7	3.6	3.6	3.6	2.7
67.5°	2.7	2.7	2.7	2.7	2.7
70°	2.7	2.7	2.7	2.7	2.7
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.9	0.9	0.9	0.9	0.9
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)