

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: P1315339

Luminaire Tested: LDSQA3D05R459735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315339  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R459735DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

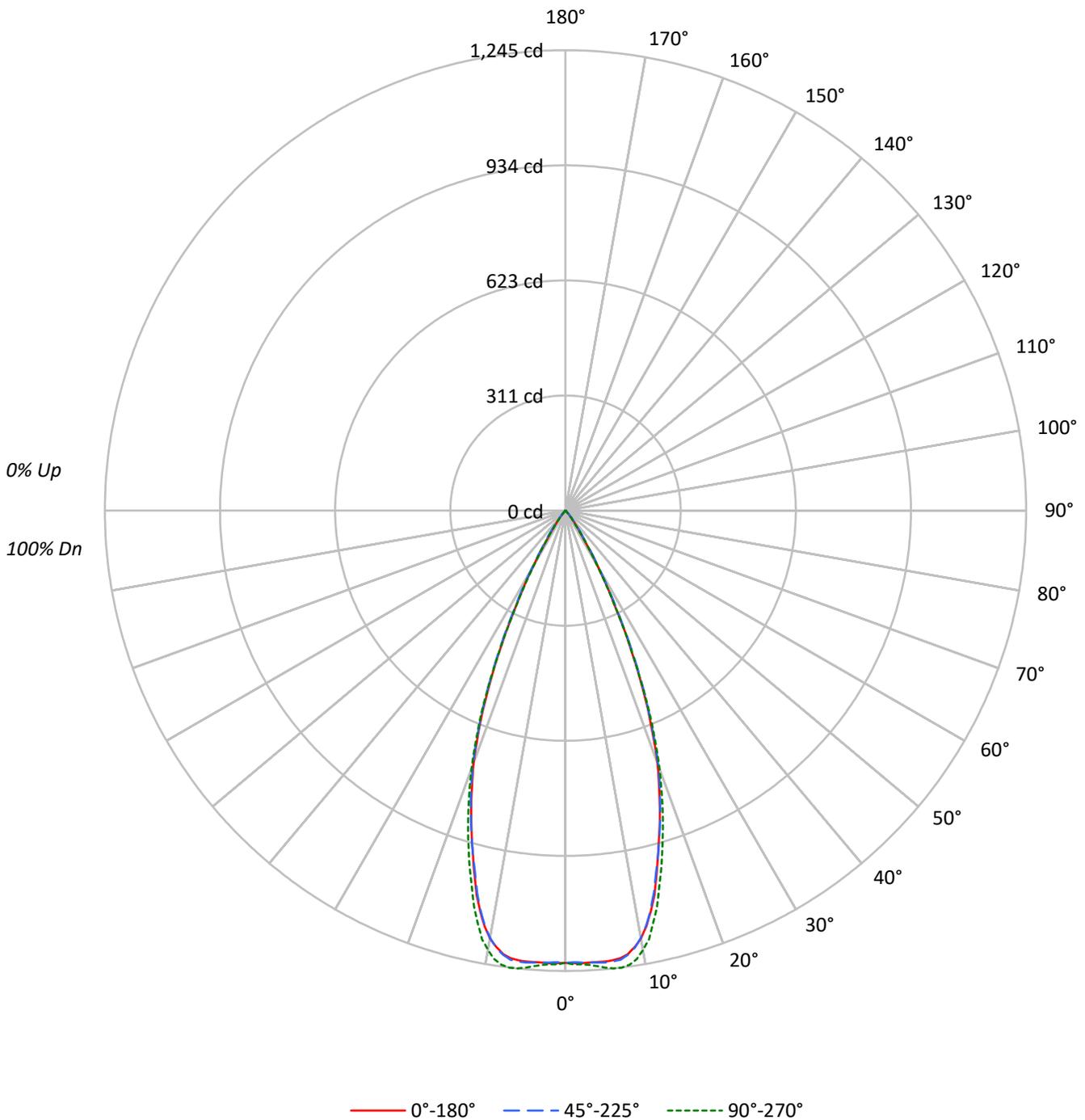
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 633.0 lumens  
Efficiency: N/A  
Efficacy: 87.9 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	210628	210628	210628
5°	211675	212090	214510
10°	205396	205239	210940
15°	172147	172058	178387
20°	133076	134433	136320
25°	81578	83270	81749
30°	34980	36571	33867
35°	10996	13245	10701
40°	3777	4834	3665
45°	682	2046	560
50°	375	750	375
55°	420	420	420
60°	310	310	310
65°	367	367	367
70°	252	252	252
75°	333	333	333
80°	496	496	496
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2046 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.2	18.4
10°-20°	268.6	42.4
20°-30°	196.7	31.1
30°-40°	43.5	6.9
40°-50°	5.3	0.8
50°-60°	1.2	0.2
60°-70°	0.9	0.1
70°-80°	0.5	0.1
80°-90°	0.1	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°	581.5	91.9
0°-40°	625.0	98.7
0°-60°	631.5	99.8
0°-90°	633.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	633.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1223	1223	1223	1223	1223	
5°	1224	1224	1227	1236	1241	116
15°	966	960	965	988	1000	266
25°	429	429	438	435	430	194
35°	52	55	63	55	51	41
45°	3	5	8	5	2	4
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
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°	1223.0	1223.0	1223.0	1223.0	1223.0
1°	1224.0	1222.1	1221.6	1224.9	1227.2
2°	1224.9	1222.6	1223.0	1226.3	1227.7
3°	1224.0	1221.6	1224.0	1228.6	1230.5
4°	1223.5	1222.6	1224.9	1231.4	1234.7
5°	1224.4	1223.5	1226.8	1235.6	1240.8
6°	1223.0	1221.6	1226.3	1237.5	1245.0
7°	1219.8	1218.4	1223.5	1237.0	1245.4
8°	1210.9	1208.1	1213.2	1230.0	1240.3
9°	1195.0	1191.3	1196.4	1216.0	1228.2
10°	1174.5	1170.3	1173.6	1192.7	1206.2
11°	1145.1	1139.5	1143.2	1163.8	1181.5
12°	1107.8	1099.9	1104.5	1127.8	1140.4
13°	1067.2	1059.7	1060.7	1081.7	1099.4
14°	1016.8	1007.0	1011.2	1033.1	1047.1
15°	965.5	960.3	965.0	988.3	1000.5
17.5°	847.9	847.4	851.6	868.9	875.4
20°	726.1	727.5	733.5	742.9	743.8
22.5°	581.9	582.4	588.9	595.4	594.0
25°	429.3	428.8	438.2	434.9	430.2
27.5°	284.6	286.5	294.9	288.8	284.2
30°	175.9	179.7	183.9	176.4	170.3
32.5°	95.2	101.3	107.3	100.8	94.7
35°	52.3	55.1	63.0	55.1	50.9
37.5°	30.3	31.7	36.9	31.7	28.9
40°	16.8	19.1	21.5	19.1	16.3
42.5°	7.0	10.7	13.1	10.7	7.0
45°	2.8	4.7	8.4	4.7	2.3
47.5°	1.4	1.9	5.1	1.9	1.4
50°	1.4	1.4	2.8	1.4	1.4
52.5°	1.4	1.4	1.4	1.4	1.4
55°	1.4	1.4	1.4	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	1.4
60°	0.9	0.9	0.9	1.4	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.5	0.5	0.5	0.9	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
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)