

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: P1308964

Luminaire Tested: LDSQA3D05R459030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308964  
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: LDSQA3D05R459030DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

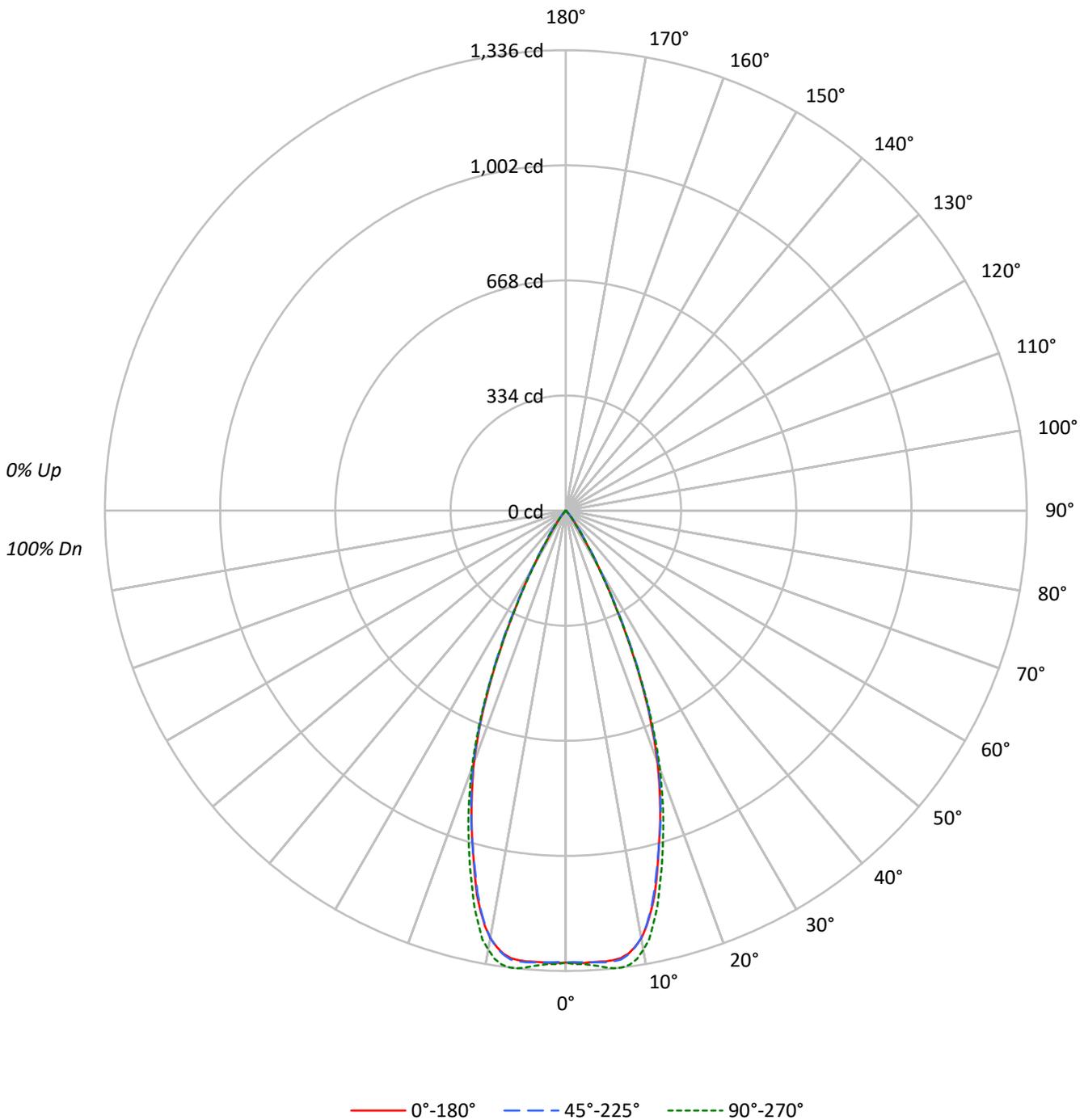
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 679.0 lumens  
Efficiency: N/A  
Efficacy: 94.3 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	87	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°	225939	225939	225939
5°	227061	227493	230087
10°	220331	220156	226277
15°	184645	184556	191349
20°	142735	144219	146236
25°	87507	89313	87697
30°	37526	39216	36333
35°	11795	14213	11479
40°	4047	5171	3934
45°	731	2192	609
50°	402	804	402
55°	450	450	450
60°	344	344	344
65°	408	408	408
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: 2192 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.7	18.4
10°-20°	288.1	42.4
20°-30°	211.0	31.1
30°-40°	46.6	6.9
40°-50°	5.7	0.8
50°-60°	1.3	0.2
60°-70°	1.0	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°	623.8	91.9
0°-40°	670.4	98.7
0°-60°	677.4	99.8
0°-90°	679.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	679.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1312	1312	1312	1312	1312	
5°	1313	1312	1316	1325	1331	124
15°	1036	1030	1035	1060	1073	286
25°	460	460	470	466	462	209
35°	56	59	68	59	55	44
45°	3	5	9	5	2	4
55°	2	2	2	2	2	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°	1311.9	1311.9	1311.9	1311.9	1311.9
1°	1312.9	1310.9	1310.4	1313.9	1316.4
2°	1313.9	1311.4	1311.9	1315.4	1316.9
3°	1312.9	1310.4	1312.9	1317.9	1319.9
4°	1312.4	1311.4	1313.9	1320.9	1324.4
5°	1313.4	1312.4	1315.9	1325.4	1330.9
6°	1311.9	1310.4	1315.4	1327.4	1335.4
7°	1308.4	1306.9	1312.4	1326.9	1335.9
8°	1298.9	1295.9	1301.4	1319.4	1330.4
9°	1281.9	1277.9	1283.4	1304.4	1317.4
10°	1259.9	1255.4	1258.9	1279.4	1293.9
11°	1228.3	1222.3	1226.3	1248.4	1267.4
12°	1188.3	1179.8	1184.8	1209.8	1223.3
13°	1144.7	1136.7	1137.7	1160.3	1179.3
14°	1090.7	1080.2	1084.7	1108.2	1123.2
15°	1035.6	1030.1	1035.1	1060.1	1073.2
17.5°	909.5	909.0	913.5	932.0	939.0
20°	778.8	780.3	786.9	796.9	797.9
22.5°	624.2	624.7	631.7	638.7	637.2
25°	460.5	460.0	470.0	466.5	461.5
27.5°	305.3	307.3	316.3	309.8	304.8
30°	188.7	192.7	197.2	189.2	182.7
32.5°	102.1	108.6	115.1	108.1	101.6
35°	56.1	59.1	67.6	59.1	54.6
37.5°	32.5	34.0	39.5	34.0	31.0
40°	18.0	20.5	23.0	20.5	17.5
42.5°	7.5	11.5	14.0	11.5	7.5
45°	3.0	5.0	9.0	5.0	2.5
47.5°	1.5	2.0	5.5	2.0	1.5
50°	1.5	1.5	3.0	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.0	1.0	1.0	1.5	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	0.5	0.5	0.5	1.0	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)