

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: P1315338

Luminaire Tested: LDSQA3D05R459735DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315338  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R459735DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

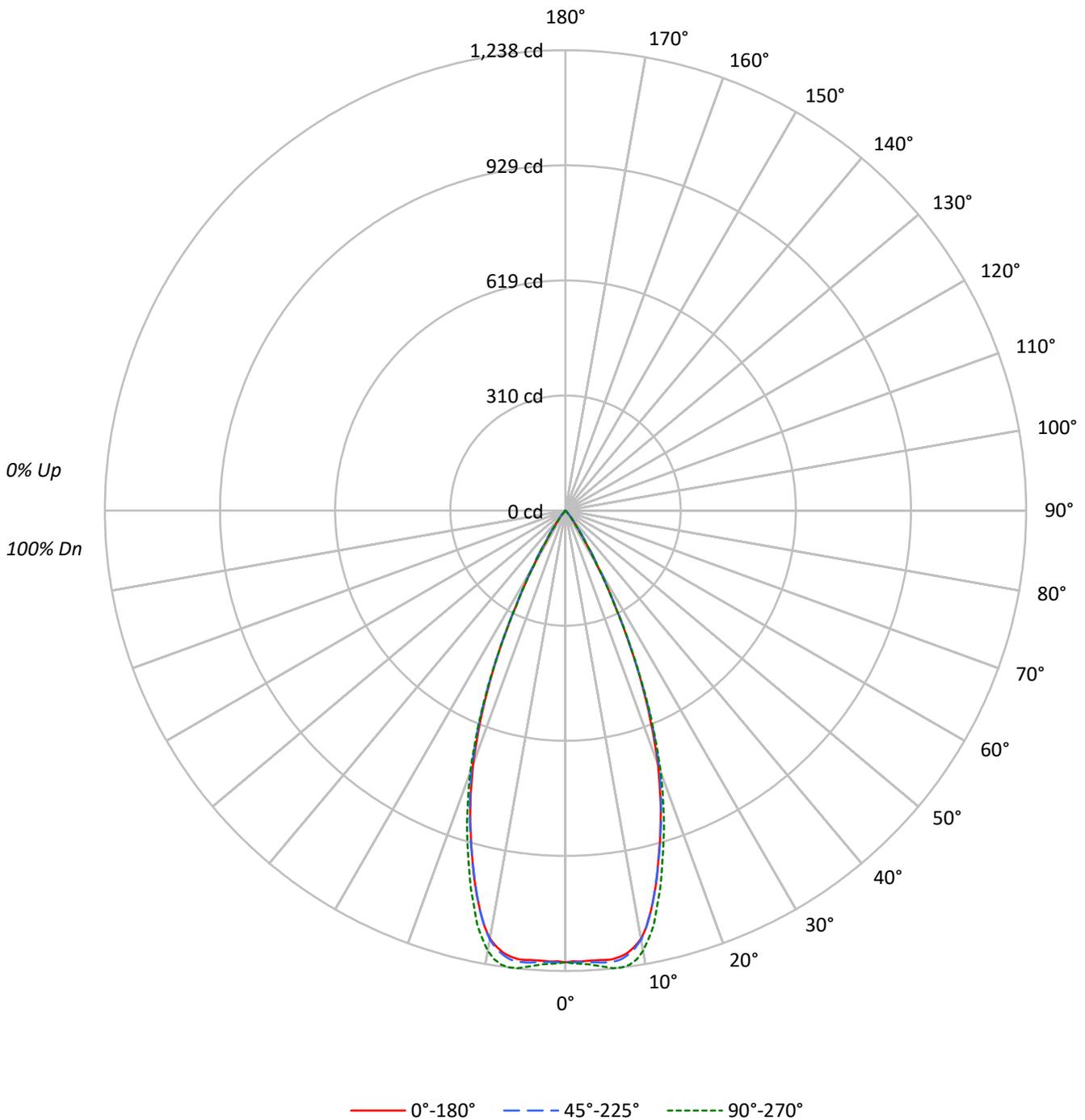
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 628.0 lumens  
Efficiency: N/A  
Efficacy: 87.2 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.74 / 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	64

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

	0°	45°	90°
0°	209199	209199	209199
5°	209669	210880	212971
10°	204417	204819	210223
15°	172450	172539	178209
20°	133131	135001	137237
25°	82586	82681	83213
30°	34066	36213	33509
35°	10596	12951	10197
40°	3260	4519	3035
45°	219	1705	219
50°	0	241	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: 1705 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.6	18.4
10°-20°	268.8	42.8
20°-30°	197.2	31.4
30°-40°	42.4	6.7
40°-50°	4.0	0.6
50°-60°	0.0	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°	581.6	92.6
0°-40°	623.9	99.4
0°-60°	628.0	100.0
0°-90°	628.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	628.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1215	1215	1215	1215	1215	
5°	1213	1216	1220	1228	1232	115
15°	967	965	968	983	1000	266
25°	435	433	435	435	438	195
35°	50	54	62	53	48	40
45°	1	3	7	3	1	2
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°	1214.7	1214.7	1214.7	1214.7	1214.7
1°	1212.3	1215.1	1215.1	1217.0	1217.9
2°	1213.3	1215.1	1214.7	1217.9	1219.3
3°	1211.9	1215.1	1216.1	1219.8	1222.1
4°	1212.3	1215.1	1217.9	1223.5	1226.8
5°	1212.8	1216.1	1219.8	1228.2	1231.9
6°	1213.3	1215.6	1219.8	1230.5	1237.5
7°	1208.6	1211.9	1216.5	1230.1	1237.5
8°	1201.1	1203.0	1206.7	1224.5	1233.3
9°	1187.1	1186.7	1192.3	1211.9	1222.1
10°	1168.9	1163.3	1171.2	1190.9	1202.1
11°	1139.5	1133.4	1140.4	1161.4	1172.2
12°	1101.2	1101.2	1102.6	1121.3	1140.0
13°	1060.6	1055.9	1058.7	1079.8	1092.8
14°	1015.8	1011.1	1013.9	1029.8	1050.3
15°	967.2	965.4	967.7	983.1	999.5
17.5°	851.9	847.7	856.1	871.6	880.0
20°	726.4	733.4	736.6	746.4	748.8
22.5°	582.1	589.6	594.3	595.7	597.1
25°	434.6	433.2	435.1	435.1	437.9
27.5°	285.7	285.7	290.8	287.6	284.3
30°	171.3	178.3	182.1	176.0	168.5
32.5°	93.4	100.4	106.4	97.6	91.0
35°	50.4	54.2	61.6	52.8	48.5
37.5°	27.5	30.8	35.5	29.9	27.5
40°	14.5	17.7	20.1	17.7	13.5
42.5°	4.7	8.9	11.7	8.9	4.2
45°	0.9	2.8	7.0	2.8	0.9
47.5°	0.0	0.5	3.3	0.5	0.0
50°	0.0	0.0	0.9	0.0	0.0
52.5°	0.0	0.0	0.0	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)