

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: P1306874

Luminaire Tested: LDSQA3D05R459024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1306874  
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: LDSQA3D05R459024DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

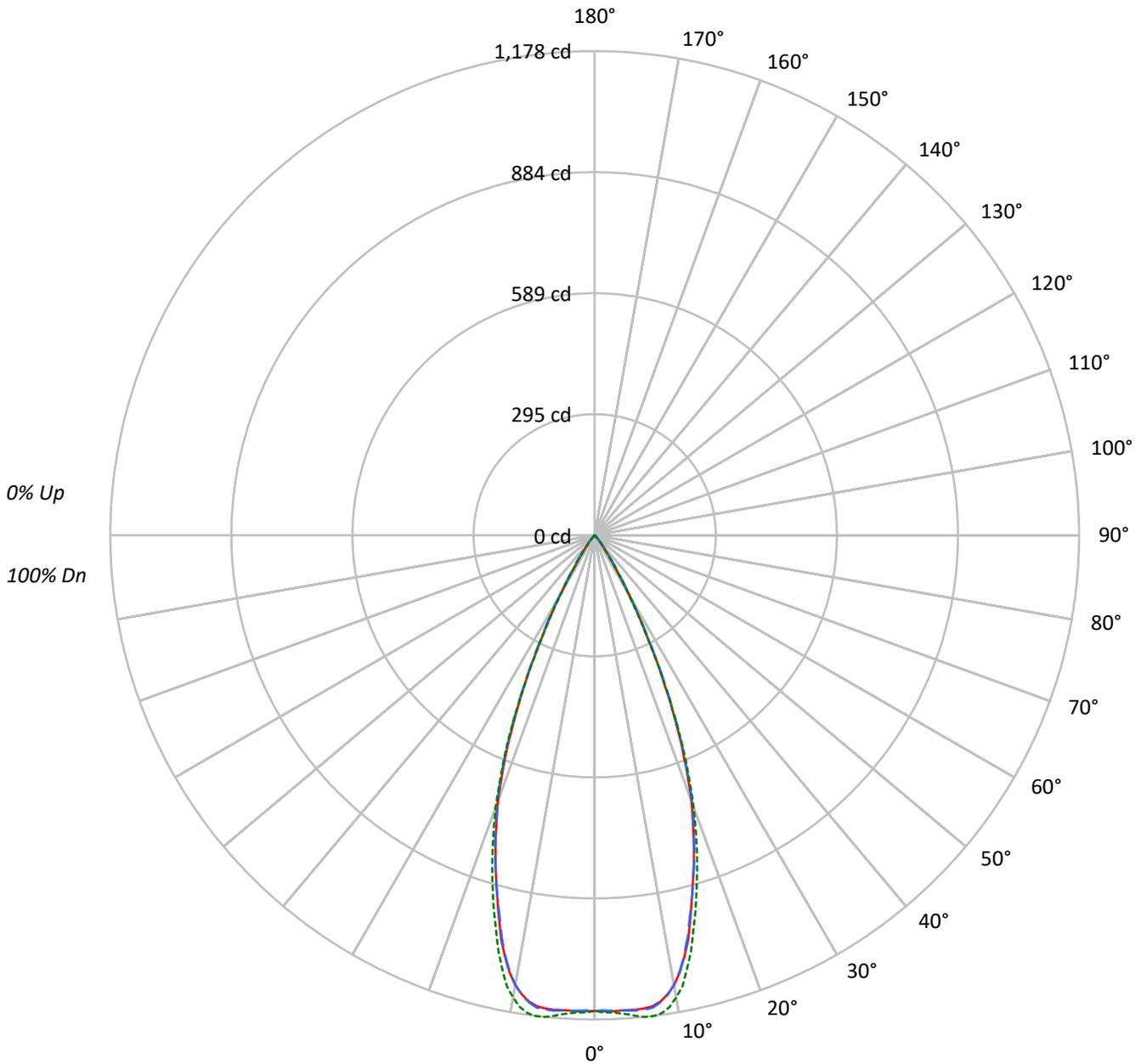
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 598.9 lumens  
Efficiency: N/A  
Efficacy: 83.2 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



— 0°-180°    - - - 45°-225°    - · - · - 90°-270°



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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°	199313	199313	199313
5°	200317	200697	202979
10°	194361	194204	199625
15°	162893	162822	168795
20°	125929	127212	129008
25°	77189	78785	77360
30°	33111	34603	32057
35°	10407	12531	10113
40°	3575	4564	3485
45°	633	1924	536
50°	348	697	348
55°	390	390	390
60°	310	310	310
65°	367	367	367
70°	201	201	201
75°	266	266	266
80°	397	397	397
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1924 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.0	18.4
10°-20°	254.2	42.4
20°-30°	186.1	31.1
30°-40°	41.1	6.9
40°-50°	5.0	0.8
50°-60°	1.2	0.2
60°-70°	0.9	0.1
70°-80°	0.4	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°	550.3	91.9
0°-40°	591.4	98.7
0°-60°	597.6	99.8
0°-90°	598.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	598.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1157	1157	1157	1157	1157	
5°	1159	1158	1161	1169	1174	109
15°	914	909	913	935	947	252
25°	406	406	415	412	407	184
35°	50	52	60	52	48	39
45°	3	4	8	4	2	4
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
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°	1157.3	1157.3	1157.3	1157.3	1157.3
1°	1158.2	1156.5	1156.0	1159.1	1161.3
2°	1159.1	1156.9	1157.3	1160.4	1161.8
3°	1158.2	1156.0	1158.2	1162.6	1164.4
4°	1157.8	1156.9	1159.1	1165.3	1168.4
5°	1158.7	1157.8	1160.9	1169.3	1174.1
6°	1157.3	1156.0	1160.4	1171.0	1178.1
7°	1154.3	1152.9	1157.8	1170.6	1178.5
8°	1145.9	1143.2	1148.1	1164.0	1173.7
9°	1130.9	1127.3	1132.2	1150.7	1162.2
10°	1111.4	1107.5	1110.5	1128.6	1141.5
11°	1083.6	1078.3	1081.8	1101.3	1118.1
12°	1048.3	1040.8	1045.2	1067.3	1079.2
13°	1009.9	1002.8	1003.7	1023.6	1040.3
14°	962.2	952.9	956.9	977.6	990.9
15°	913.6	908.7	913.2	935.2	946.7
17.5°	802.3	801.9	805.9	822.2	828.4
20°	687.1	688.4	694.1	703.0	703.9
22.5°	550.6	551.1	557.3	563.4	562.1
25°	406.2	405.8	414.6	411.5	407.1
27.5°	269.4	271.1	279.1	273.3	268.9
30°	166.5	170.0	174.0	166.9	161.2
32.5°	90.1	95.8	101.6	95.4	89.6
35°	49.5	52.1	59.6	52.1	48.1
37.5°	28.7	30.0	34.9	30.0	27.4
40°	15.9	18.1	20.3	18.1	15.5
42.5°	6.6	10.2	12.4	10.2	6.6
45°	2.6	4.4	7.9	4.4	2.2
47.5°	1.3	1.8	4.9	1.8	1.3
50°	1.3	1.3	2.6	1.3	1.3
52.5°	1.3	1.3	1.3	1.3	1.3
55°	1.3	1.3	1.3	1.3	1.3
57.5°	1.3	1.3	1.3	1.3	1.3
60°	0.9	0.9	0.9	1.3	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°	0.4	0.4	0.4	0.9	0.4
72.5°	0.4	0.4	0.4	0.4	0.4
75°	0.4	0.4	0.4	0.4	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4
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)