

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: P1308601

Luminaire Tested: LDSQA3D24R359027D010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308601  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R359027D010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

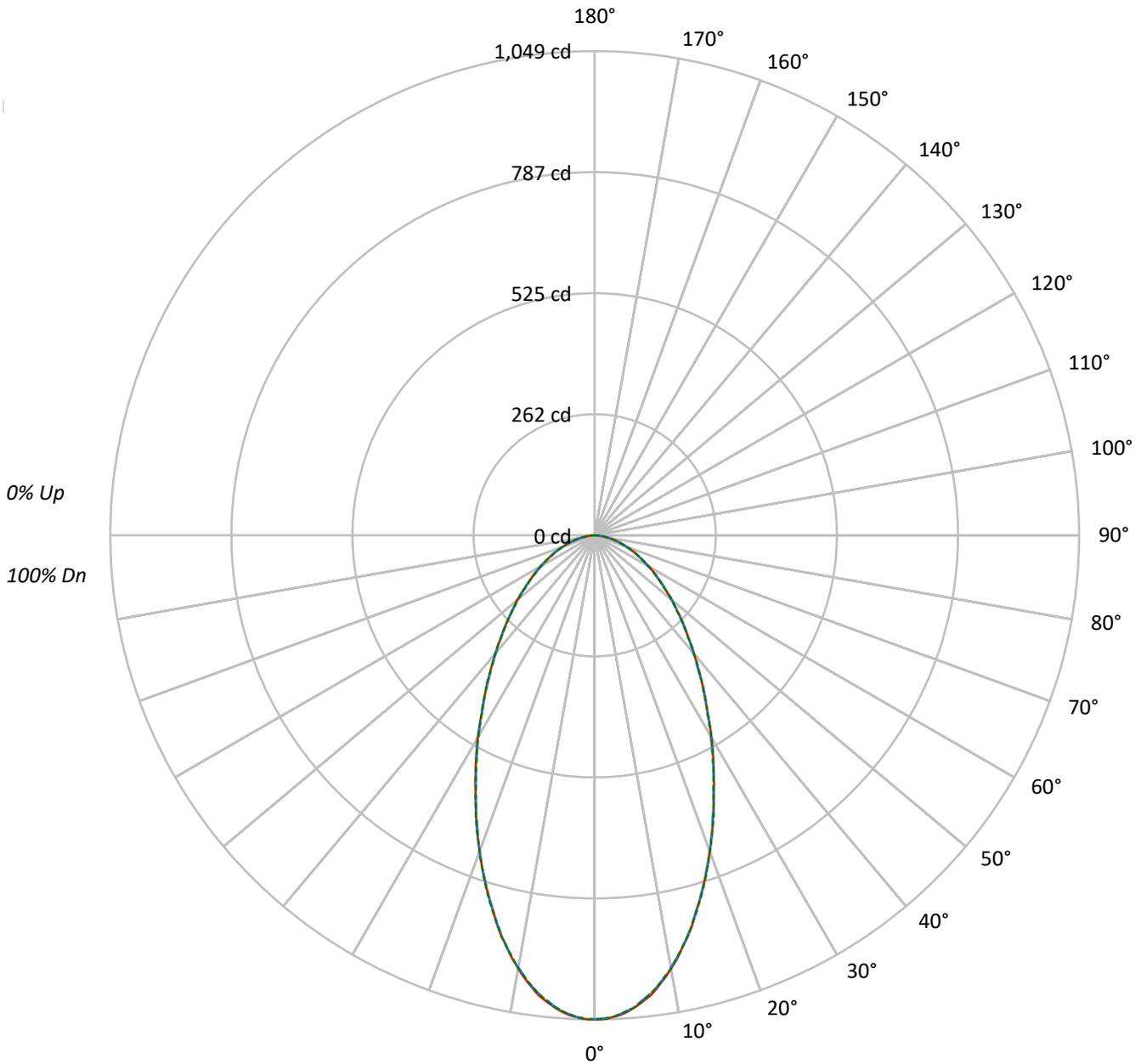
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1401.0 lumens  
Efficiency: N/A  
Efficacy: 48.6 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
Input Voltage (V): NR  
Input Current (Ain): 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		0
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102		100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90		88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79		77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70		68
4	88	78	71	65	86	77	70	65	75	68	64	72	67	63	70	66	62		60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56		54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51		49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46		44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42		41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39		38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36		35

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

	0°	45°	90°
0°	180610	180610	180610
5°	177237	176926	177237
10°	166643	166328	166643
15°	150876	150876	151197
20°	133553	133553	133553
25°	116125	115783	115783
30°	100686	99970	100328
35°	86663	86285	86663
40°	75203	74798	75203
45°	66053	65615	65615
50°	58623	58141	58141
55°	51585	51585	51585
60°	46707	46087	46707
65°	42015	42015	42015
70°	37313	37313	37313
75°	33670	32472	33670
80°	28663	28663	28663
85°	17784	17784	17784

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 66053 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.4	6.8
10°-20°	236.0	16.8
20°-30°	280.5	20.0
30°-40°	257.7	18.4
40°-50°	209.3	14.9
50°-60°	154.9	11.1
60°-70°	102.3	7.3
70°-80°	53.0	3.8
80°-90°	11.9	0.8
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°	611.9	43.7
0°-40°	869.6	62.1
0°-60°	1233.8	88.1
0°-90°	1401.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1401.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1049	1049	1049	1049	1049	
5°	1025	1023	1023	1023	1025	96
15°	846	846	846	846	848	236
25°	611	609	609	611	609	281
35°	412	410	410	412	412	258
45°	271	269	269	269	269	210
55°	172	172	172	172	172	155
65°	103	103	103	103	103	102
75°	51	51	49	51	51	54
85°	9	9	9	9	9	12
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1048.7	1048.7	1048.7	1048.7	1048.7
1°	1048.7	1046.9	1046.9	1046.9	1048.7
2°	1045.1	1045.1	1045.1	1045.1	1045.1
3°	1041.5	1039.7	1039.7	1039.7	1039.7
4°	1034.2	1032.4	1032.4	1032.4	1032.4
5°	1025.2	1023.4	1023.4	1023.4	1025.2
6°	1014.3	1012.5	1010.7	1010.7	1012.5
7°	1003.5	999.9	999.9	999.9	999.9
8°	987.2	985.4	985.4	985.4	985.4
9°	971.0	967.3	969.1	969.1	969.1
10°	952.9	951.1	951.1	951.1	952.9
11°	934.8	933.0	933.0	931.2	933.0
12°	913.1	913.1	913.1	913.1	913.1
13°	893.2	891.4	891.4	891.4	893.2
14°	871.5	869.7	869.7	869.7	869.7
15°	846.2	846.2	846.2	846.2	848.0
17.5°	788.3	786.5	788.3	788.3	790.1
20°	728.7	726.9	728.7	728.7	728.7
22.5°	669.0	669.0	667.2	669.0	670.8
25°	611.1	609.3	609.3	611.1	609.3
27.5°	556.9	555.1	555.1	555.1	555.1
30°	506.3	502.7	502.7	504.5	504.5
32.5°	453.8	453.8	455.6	453.8	453.8
35°	412.2	410.4	410.4	412.2	412.2
37.5°	370.7	368.9	368.9	370.7	370.7
40°	334.5	334.5	332.7	334.5	334.5
42.5°	300.1	300.1	300.1	300.1	300.1
45°	271.2	269.4	269.4	269.4	269.4
47.5°	242.3	242.3	242.3	240.5	242.3
50°	218.8	217.0	217.0	217.0	217.0
52.5°	193.5	193.5	193.5	193.5	193.5
55°	171.8	171.8	171.8	171.8	171.8
57.5°	153.7	151.9	151.9	151.9	151.9
60°	135.6	135.6	133.8	135.6	135.6
62.5°	117.5	117.5	117.5	117.5	117.5
65°	103.1	103.1	103.1	103.1	103.1
67.5°	88.6	88.6	88.6	88.6	88.6
70°	74.1	74.1	74.1	74.1	74.1
72.5°	63.3	61.5	61.5	61.5	61.5
75°	50.6	50.6	48.8	50.6	50.6
77.5°	38.0	38.0	38.0	38.0	38.0
80°	28.9	28.9	28.9	27.1	28.9
82.5°	18.1	18.1	18.1	18.1	18.1
85°	9.0	9.0	9.0	9.0	9.0
87.5°	1.8	1.8	1.8	3.6	3.6



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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)