

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: P1319205

Luminaire Tested: LDSQA3D13R209835DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319205  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R209835DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

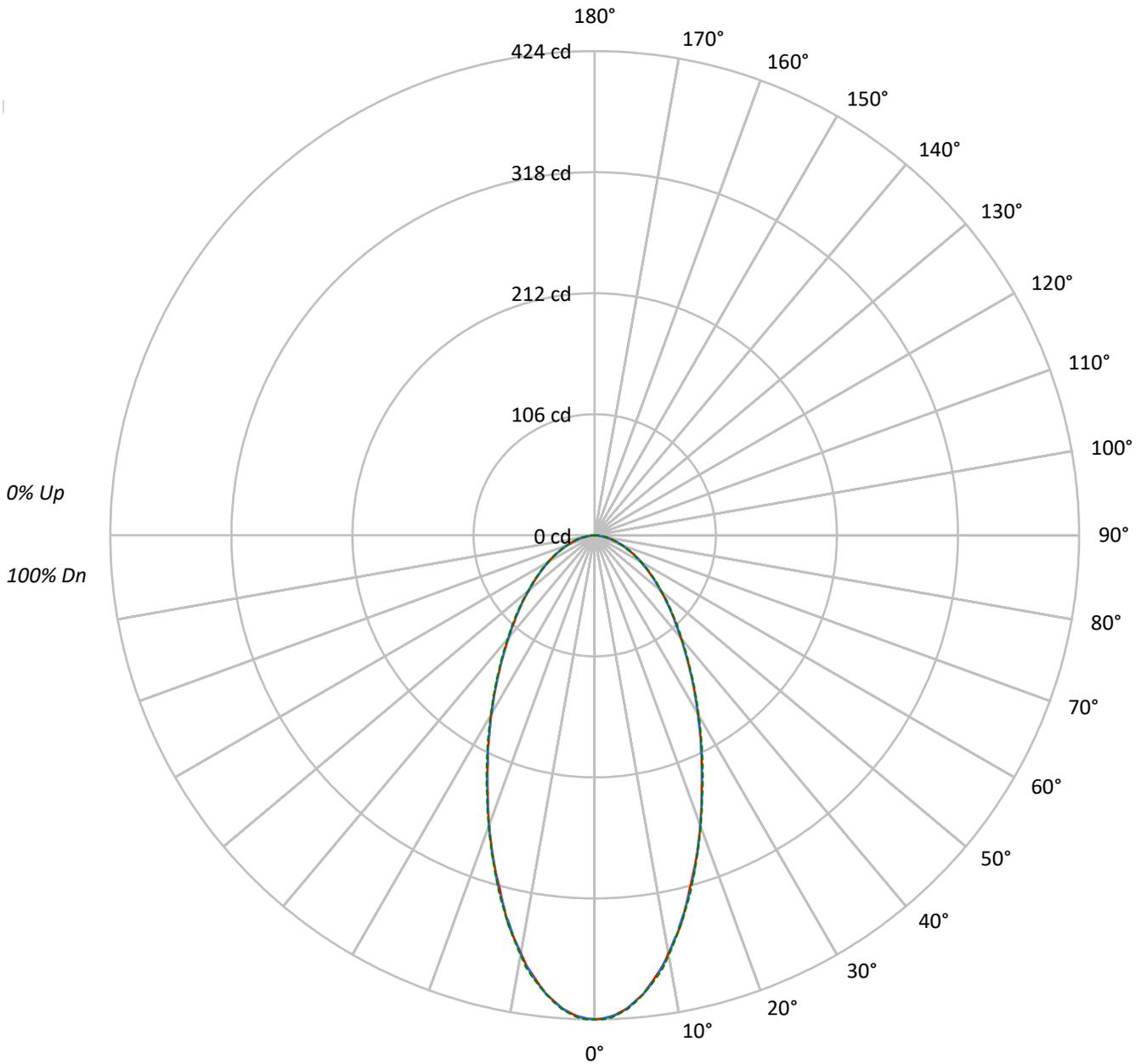
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 507.0 lumens  
Efficiency: N/A  
Efficacy: 35.0 lumens/watt  
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.5  
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	45
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

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

	0°	45°	90°
0°	73005	73005	73005
5°	70795	70795	70933
10°	64985	65125	65265
15°	57216	57483	57626
20°	49521	49521	49668
25°	42148	42148	42433
30°	35975	35816	36134
35°	30717	30717	30864
40°	26371	26371	26551
45°	23041	23041	23236
50°	20282	20282	20282
55°	17956	17956	18196
60°	16154	16154	16154
65°	14507	14507	14507
70°	12941	12941	12941
75°	11578	11112	11578
80°	9720	9720	9720
85°	5928	5928	7509

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 23236 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.9	7.5
10°-20°	89.7	17.7
20°-30°	102.2	20.2
30°-40°	91.7	18.1
40°-50°	73.5	14.5
50°-60°	54.0	10.7
60°-70°	35.3	7.0
70°-80°	18.3	3.6
80°-90°	4.2	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°	229.8	45.3
0°-40°	321.6	63.4
0°-60°	449.1	88.6
0°-90°	507.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	507.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	424	424	424	424	424	
5°	410	410	410	410	410	38
15°	321	321	322	322	323	90
25°	222	222	222	222	223	102
35°	146	146	146	146	147	92
45°	95	95	95	95	95	73
55°	60	60	60	60	61	54
65°	36	35	36	36	36	35
75°	17	17	17	17	17	18
85°	3	3	3	4	4	4
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	423.9	423.9	423.9	423.9	423.9
1°	423.1	422.4	423.1	423.1	423.9
2°	421.6	421.6	421.6	420.8	422.4
3°	418.6	418.6	419.3	418.6	419.3
4°	414.8	414.8	414.8	414.0	415.5
5°	409.5	409.5	409.5	409.5	410.3
6°	404.2	403.4	404.2	403.4	404.2
7°	396.6	396.6	397.4	396.6	397.4
8°	389.1	388.3	389.8	389.1	390.6
9°	381.5	380.7	381.5	380.7	383.0
10°	371.6	372.4	372.4	372.4	373.2
12.5°	348.9	347.4	347.4	347.4	348.9
15°	320.9	320.9	322.4	322.4	323.2
17.5°	296.0	295.2	296.7	296.7	296.7
20°	270.2	269.5	270.2	270.2	271.0
22.5°	244.5	245.2	245.2	245.2	246.0
25°	221.8	221.8	221.8	222.5	223.3
27.5°	200.6	199.8	200.6	201.3	202.1
30°	180.9	180.1	180.1	180.9	181.7
32.5°	162.7	162.0	162.7	162.7	163.5
35°	146.1	146.1	146.1	146.1	146.8
37.5°	130.9	130.9	130.9	131.7	131.7
40°	117.3	117.3	117.3	118.1	118.1
42.5°	105.2	105.2	105.2	106.0	106.7
45°	94.6	94.6	94.6	94.6	95.4
47.5°	84.8	84.8	84.8	85.5	85.5
50°	75.7	74.9	75.7	76.4	75.7
52.5°	67.4	67.4	67.4	67.4	68.1
55°	59.8	59.8	59.8	59.8	60.6
57.5°	53.0	53.0	53.0	53.7	53.7
60°	46.9	46.9	46.9	46.9	46.9
62.5°	40.9	40.9	40.9	40.9	40.9
65°	35.6	34.8	35.6	35.6	35.6
67.5°	30.3	30.3	30.3	30.3	30.3
70°	25.7	25.7	25.7	25.7	25.7
72.5°	21.2	21.2	21.2	21.2	21.2
75°	17.4	16.7	16.7	17.4	17.4
77.5°	13.6	12.9	13.6	13.6	13.6
80°	9.8	9.8	9.8	9.8	9.8
82.5°	6.1	6.1	6.1	6.8	6.8
85°	3.0	3.0	3.0	3.8	3.8
87.5°	0.8	0.8	0.8	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)