

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: P1311613

Luminaire Tested: LDSQA3D17R209040DE010 3LSQPHRLP1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311613  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R209040DE010 3LSQPHRLP1MW  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM  
Light Source: -  
Ballast/Driver: -

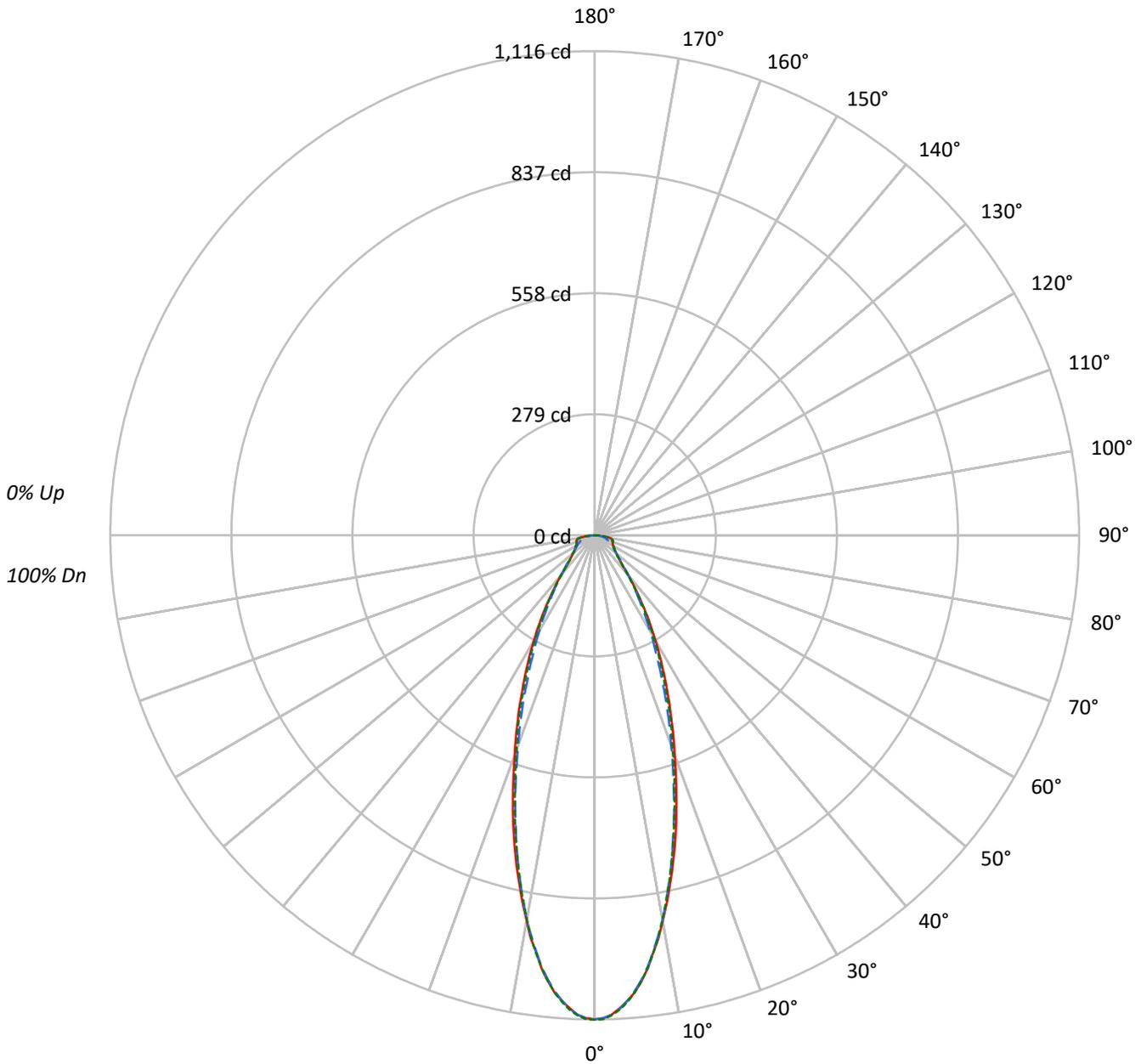
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 787.0 lumens  
Efficiency: N/A  
Efficacy: 37.1 lumens/watt  
Spacing Criteria (0/90/45): 0.62 / 0.6 / 0.65  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 21.2  
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% Up  
100% Dn

— 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	100	100	100	100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89	89	89	89
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80	80	80	80
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72	72	72	72
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66	66	66	66
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	61	61	61	61
6	82	72	65	60	81	71	65	60	69	64	59	68	63	59	67	62	59	57	57	57	57
7	78	67	61	56	77	67	60	56	65	60	55	64	59	55	63	58	55	53	53	53	53
8	74	63	57	52	73	63	57	52	62	56	52	61	55	52	60	55	51	50	50	50	50
9	71	60	53	49	69	59	53	49	58	53	49	58	52	49	57	52	48	47	47	47	47
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44	44	44	44

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

	0°	45°	90°
0°	192200	192200	192200
5°	182873	182389	182873
10°	157864	157392	157147
15°	128125	125165	125647
20°	98712	94405	96183
25°	74985	69455	72875
30°	55623	50671	53972
35°	39295	36688	38706
40°	27091	27091	26461
45°	19899	20897	19899
50°	17442	17442	17442
55°	16634	16214	16634
60°	17153	15741	17153
65°	18623	15812	18623
70°	22307	16013	22307
75°	28546	17500	28546
80°	35704	17852	34316
85°	27269	16401	30036

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 80°  
 Luminance: 35704 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.8	12.2
10°-20°	195.5	24.8
20°-30°	174.6	22.2
30°-40°	114.5	14.6
40°-50°	66.6	8.5
50°-60°	49.4	6.3
60°-70°	41.8	5.3
70°-80°	34.5	4.4
80°-90°	14.4	1.8
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°	465.8	59.2
0°-40°	580.3	73.7
0°-60°	696.4	88.5
0°-90°	787.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	787.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1116	1116	1116	1116	1116	
5°	1058	1056	1055	1056	1058	96
15°	719	712	702	703	705	199
25°	395	384	366	375	384	182
35°	187	181	174	180	184	119
45°	82	83	86	83	82	66
55°	55	54	54	54	55	50
65°	46	42	39	42	46	46
75°	43	32	26	32	43	44
85°	14	15	8	15	15	16
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1116.0	1116.0	1116.0	1116.0	1116.0
1°	1113.2	1114.6	1113.2	1114.6	1116.0
2°	1106.3	1107.7	1106.3	1106.3	1107.7
3°	1092.4	1093.8	1093.8	1093.8	1095.2
4°	1075.8	1077.2	1075.8	1077.2	1078.6
5°	1057.8	1056.4	1055.0	1056.4	1057.8
6°	1032.9	1031.5	1030.1	1031.5	1032.9
7°	1005.2	1003.8	1002.4	1002.4	1003.8
8°	970.6	972.0	967.8	970.6	972.0
9°	940.1	937.4	934.6	934.6	937.4
10°	902.7	900.0	900.0	898.6	898.6
12.5°	811.4	805.8	801.7	801.7	803.0
15°	718.6	711.7	702.0	703.4	704.7
17.5°	625.8	617.5	605.1	607.8	610.6
20°	538.6	530.3	515.1	520.6	524.8
22.5°	463.8	451.4	437.5	441.7	455.5
25°	394.6	383.5	365.5	375.2	383.5
27.5°	333.7	321.2	306.0	315.7	324.0
30°	279.7	268.6	254.8	263.1	271.4
32.5°	231.2	221.5	211.8	217.4	224.3
35°	186.9	181.4	174.5	180.0	184.1
37.5°	150.9	148.1	145.4	148.1	146.8
40°	120.5	121.8	120.5	120.5	117.7
42.5°	95.5	99.7	101.1	98.3	95.5
45°	81.7	83.1	85.8	83.1	81.7
47.5°	72.0	72.0	73.4	72.0	70.6
50°	65.1	65.1	65.1	65.1	65.1
52.5°	59.5	59.5	58.2	59.5	59.5
55°	55.4	54.0	54.0	54.0	55.4
57.5°	52.6	51.2	49.8	51.2	52.6
60°	49.8	47.1	45.7	47.1	49.8
62.5°	47.1	44.3	42.9	44.3	47.1
65°	45.7	41.5	38.8	41.5	45.7
67.5°	44.3	38.8	36.0	38.8	45.7
70°	44.3	36.0	31.8	37.4	44.3
72.5°	42.9	34.6	29.1	34.6	42.9
75°	42.9	31.8	26.3	31.8	42.9
77.5°	40.2	29.1	22.2	29.1	40.2
80°	36.0	26.3	18.0	26.3	34.6
82.5°	26.3	22.2	13.8	22.2	26.3
85°	13.8	15.2	8.3	15.2	15.2
87.5°	1.4	5.5	2.8	8.3	6.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)