

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: P1314923

Luminaire Tested: LDSQA3D20R209730D010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314923  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R209730D010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R20 optic, 3000K CCT AND, 97CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

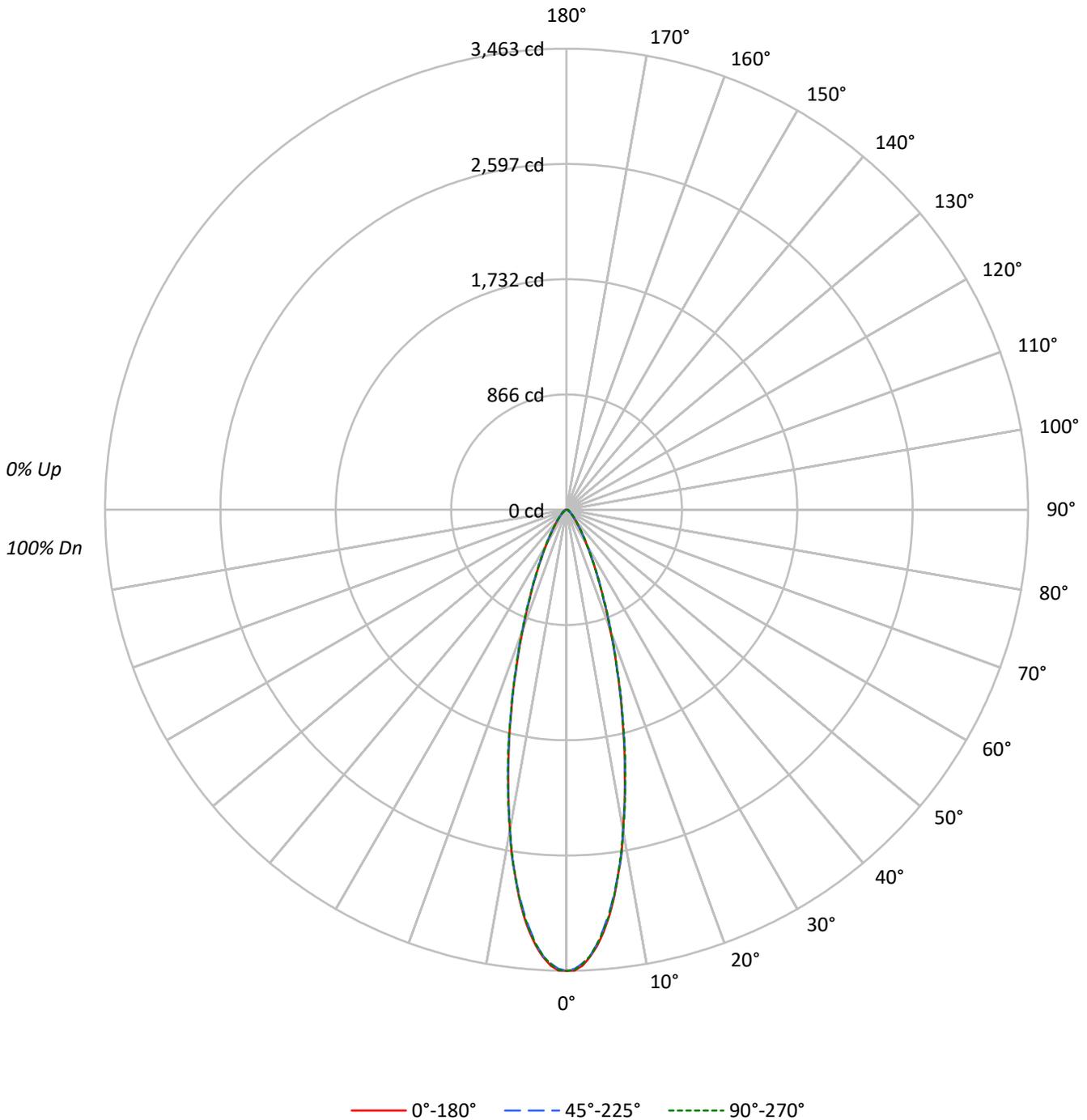
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1217.0 lumens  
Efficiency: N/A  
Efficacy: 42.3 lumens/watt  
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5  
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 (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	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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	86	83	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	82	79	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	73	70	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	71	67	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	68	65	62	61

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

	0°	45°	90°
0°	596424	596424	596424
5°	550227	547080	548913
10°	426986	427510	427510
15°	288593	289948	289948
20°	175266	177484	178327
25°	102823	104249	103964
30°	59978	61191	61489
35°	36646	37592	37592
40°	23853	24191	24528
45°	16611	16976	17341
50°	12191	12593	12593
55°	9548	9999	9999
60°	8336	8336	8887
65°	7417	7417	8028
70°	6848	6848	6848
75°	6055	6055	6055
80°	4463	4463	6050
85°	2964	2964	5928

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 17341 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	279.2	22.9
10°-20°	447.2	36.7
20°-30°	259.0	21.3
30°-40°	116.1	9.5
40°-50°	55.1	4.5
50°-60°	30.1	2.5
60°-70°	18.3	1.5
70°-80°	9.8	0.8
80°-90°	2.1	0.2
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°	985.4	81.0
0°-40°	1101.5	90.5
0°-60°	1186.8	97.5
0°-90°	1217.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1217.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3463	3463	3463	3463	3463	
5°	3183	3172	3164	3171	3175	280
15°	1619	1619	1626	1619	1626	446
25°	541	541	549	544	547	256
35°	174	176	179	180	179	114
45°	68	68	70	70	71	54
55°	32	32	33	33	33	29
65°	18	18	18	18	20	18
75°	9	9	9	9	9	10
85°	2	2	2	2	3	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3463.1	3463.1	3463.1	3463.1	3463.1
1°	3461.5	3452.5	3449.4	3446.4	3455.5
2°	3426.7	3416.1	3410.0	3413.0	3414.6
3°	3364.5	3358.5	3358.5	3353.9	3357.0
4°	3284.2	3272.1	3272.1	3273.6	3273.6
5°	3182.7	3172.1	3164.5	3170.6	3175.1
6°	3069.0	3055.4	3049.3	3050.8	3061.4
7°	2929.6	2911.4	2914.4	2922.0	2922.0
8°	2772.0	2770.4	2773.5	2770.4	2773.5
9°	2626.5	2605.3	2623.4	2608.3	2615.9
10°	2441.6	2440.1	2444.6	2449.1	2444.6
12.5°	2020.2	2027.8	2030.9	2024.8	2038.4
15°	1618.6	1618.6	1626.2	1618.6	1626.2
17.5°	1259.4	1257.9	1264.0	1257.9	1267.0
20°	956.3	966.9	968.4	968.4	973.0
22.5°	721.4	721.4	727.5	729.0	726.0
25°	541.1	541.1	548.6	544.1	547.1
27.5°	400.1	403.1	409.2	412.2	412.2
30°	301.6	303.1	307.7	309.2	309.2
32.5°	227.3	230.4	233.4	234.9	236.4
35°	174.3	175.8	178.8	180.4	178.8
37.5°	133.4	134.9	137.9	139.4	139.4
40°	106.1	106.1	107.6	109.1	109.1
42.5°	83.4	84.9	84.9	86.4	86.4
45°	68.2	68.2	69.7	69.7	71.2
47.5°	54.6	54.6	56.1	57.6	57.6
50°	45.5	45.5	47.0	47.0	47.0
52.5°	37.9	37.9	39.4	39.4	39.4
55°	31.8	31.8	33.3	33.3	33.3
57.5°	27.3	27.3	28.8	28.8	28.8
60°	24.2	24.2	24.2	24.2	25.8
62.5°	21.2	21.2	21.2	21.2	21.2
65°	18.2	18.2	18.2	18.2	19.7
67.5°	15.2	15.2	15.2	15.2	16.7
70°	13.6	13.6	13.6	13.6	13.6
72.5°	10.6	10.6	10.6	12.1	12.1
75°	9.1	9.1	9.1	9.1	9.1
77.5°	7.6	7.6	7.6	7.6	7.6
80°	4.5	4.5	4.5	6.1	6.1
82.5°	3.0	3.0	3.0	3.0	3.0
85°	1.5	1.5	1.5	1.5	3.0
87.5°	0.0	0.0	0.0	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)