

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: P1309555

Luminaire Tested: LDSQA3D20R309030D010 3LSQPHRL1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1309555  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R309030D010 3LSQPHRL1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQPHRL1MW TRIM  
Light Source: -  
Ballast/Driver: -

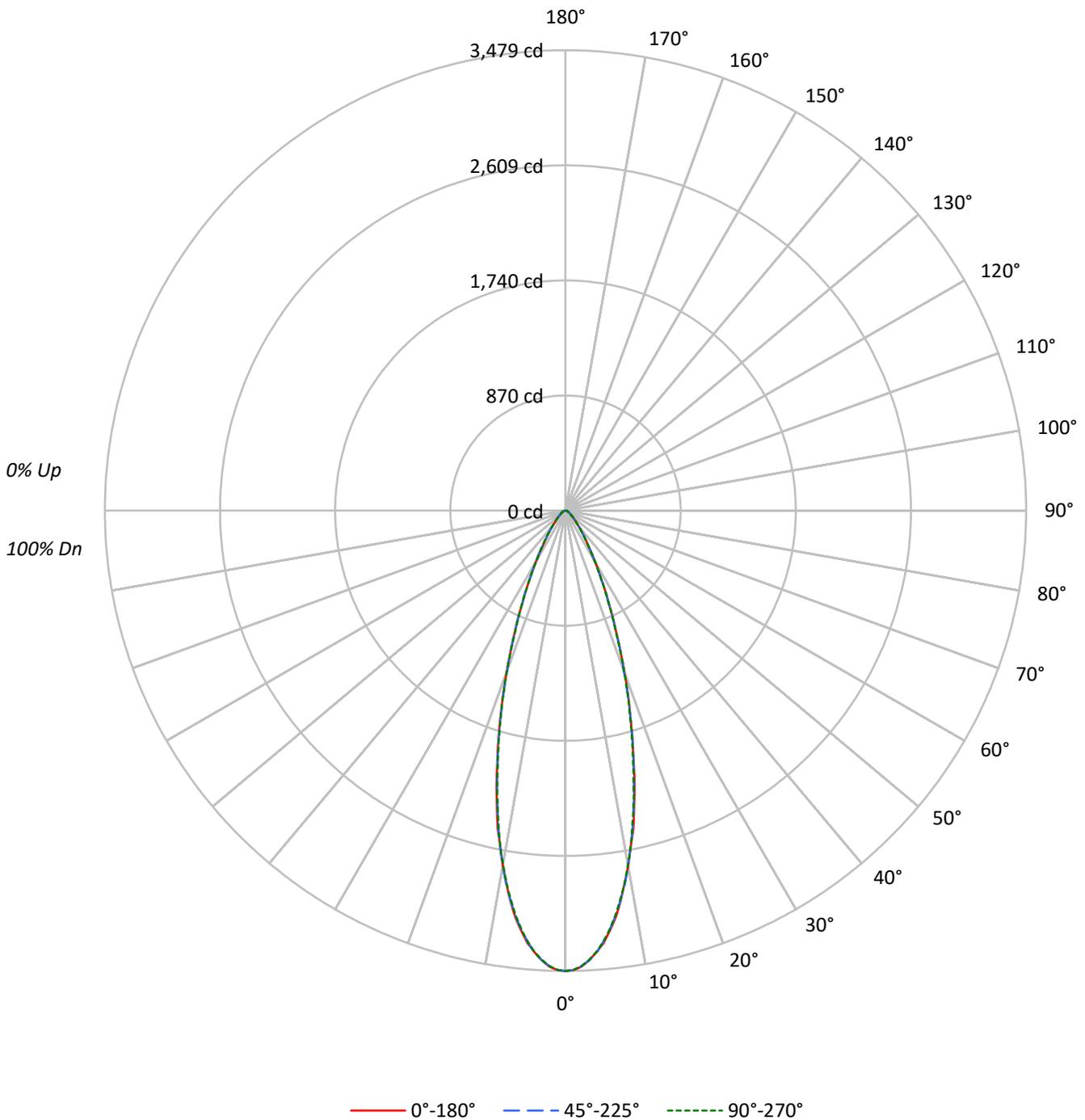
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1528.0 lumens  
Efficiency: N/A  
Efficacy: 53.1 lumens/watt  
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57  
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	100	100	100	100
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94	94	94	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	88	88	88	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83	83	83	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	78	78	78	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74	74	74	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	70	70	70	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	66	66	66	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	63	63	63	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	61	61	61	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	58	58	58	58

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

	0°	45°	90°
0°	599214	599214	599214
5°	567307	565838	565544
10°	476599	476599	474815
15°	355080	354189	352067
20°	237653	236407	236719
25°	146492	146169	146815
30°	88078	88078	88416
35°	54033	54033	54390
40°	34218	34218	34960
45°	23479	23893	23893
50°	17201	17201	17201
55°	13211	13692	13692
60°	11057	11057	11642
65°	9658	9658	9658
70°	8510	9366	9366
75°	7852	7852	7852
80°	6744	6744	6744
85°	3359	3359	3359

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 23893 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	295.0	19.3
10°-20°	544.6	35.6
20°-30°	362.0	23.7
30°-40°	167.4	11.0
40°-50°	77.7	5.1
50°-60°	41.5	2.7
60°-70°	24.2	1.6
70°-80°	12.8	0.8
80°-90°	2.8	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°	1201.6	78.6
0°-40°	1368.9	89.6
0°-60°	1488.2	97.4
0°-90°	1528.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1528.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3479	3479	3479	3479	3479	
5°	3282	3275	3273	3282	3271	295
15°	1992	1998	1986	1986	1975	546
25°	771	769	769	769	773	363
35°	257	255	257	259	259	166
45°	96	96	98	98	98	77
55°	44	46	46	46	46	41
65°	24	24	24	24	24	24
75°	12	12	12	12	12	12
85°	2	2	2	2	2	3
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3479.3	3479.3	3479.3	3479.3	3479.3
1°	3472.5	3469.1	3472.5	3477.6	3470.8
2°	3448.8	3445.4	3445.4	3452.2	3445.4
3°	3403.2	3406.6	3404.9	3411.6	3399.8
4°	3345.7	3344.0	3350.8	3354.2	3344.0
5°	3281.5	3274.7	3273.0	3281.5	3271.3
6°	3193.5	3188.5	3185.1	3195.2	3181.7
7°	3098.9	3095.5	3090.4	3093.8	3083.7
8°	2982.2	2980.5	2977.2	2980.5	2968.7
9°	2852.0	2852.0	2858.8	2857.1	2850.4
10°	2725.3	2728.6	2725.3	2728.6	2715.1
11°	2583.2	2583.2	2586.6	2584.9	2586.6
12°	2459.8	2446.3	2442.9	2439.5	2429.4
13°	2300.9	2290.8	2287.4	2290.8	2285.7
14°	2155.5	2148.8	2131.9	2135.2	2128.5
15°	1991.5	1998.3	1986.5	1986.5	1974.6
17.5°	1628.1	1621.3	1624.7	1626.4	1621.3
20°	1296.7	1293.3	1289.9	1286.5	1291.6
22.5°	1007.6	1009.3	1005.9	1002.5	999.1
25°	770.9	769.2	769.2	769.2	772.6
27.5°	584.9	584.9	584.9	586.6	586.6
30°	442.9	439.6	442.9	444.6	444.6
32.5°	331.4	334.7	336.4	336.4	336.4
35°	257.0	255.3	257.0	258.7	258.7
37.5°	196.1	196.1	197.8	197.8	199.5
40°	152.2	152.2	152.2	153.8	155.5
42.5°	120.0	120.0	121.7	121.7	123.4
45°	96.4	96.4	98.1	98.1	98.1
47.5°	77.8	77.8	79.5	79.5	79.5
50°	64.2	64.2	64.2	64.2	64.2
52.5°	54.1	52.4	54.1	54.1	54.1
55°	44.0	45.6	45.6	45.6	45.6
57.5°	37.2	38.9	38.9	38.9	38.9
60°	32.1	32.1	32.1	33.8	33.8
62.5°	27.0	28.7	28.7	28.7	28.7
65°	23.7	23.7	23.7	23.7	23.7
67.5°	20.3	20.3	20.3	20.3	22.0
70°	16.9	16.9	18.6	18.6	18.6
72.5°	15.2	15.2	15.2	15.2	15.2
75°	11.8	11.8	11.8	11.8	11.8
77.5°	8.5	8.5	10.1	10.1	8.5
80°	6.8	6.8	6.8	6.8	6.8
82.5°	5.1	5.1	5.1	5.1	5.1
85°	1.7	1.7	1.7	1.7	1.7
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)