

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: P1310689

Luminaire Tested: LDSQA3D20R359035D010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310689  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R359035D010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

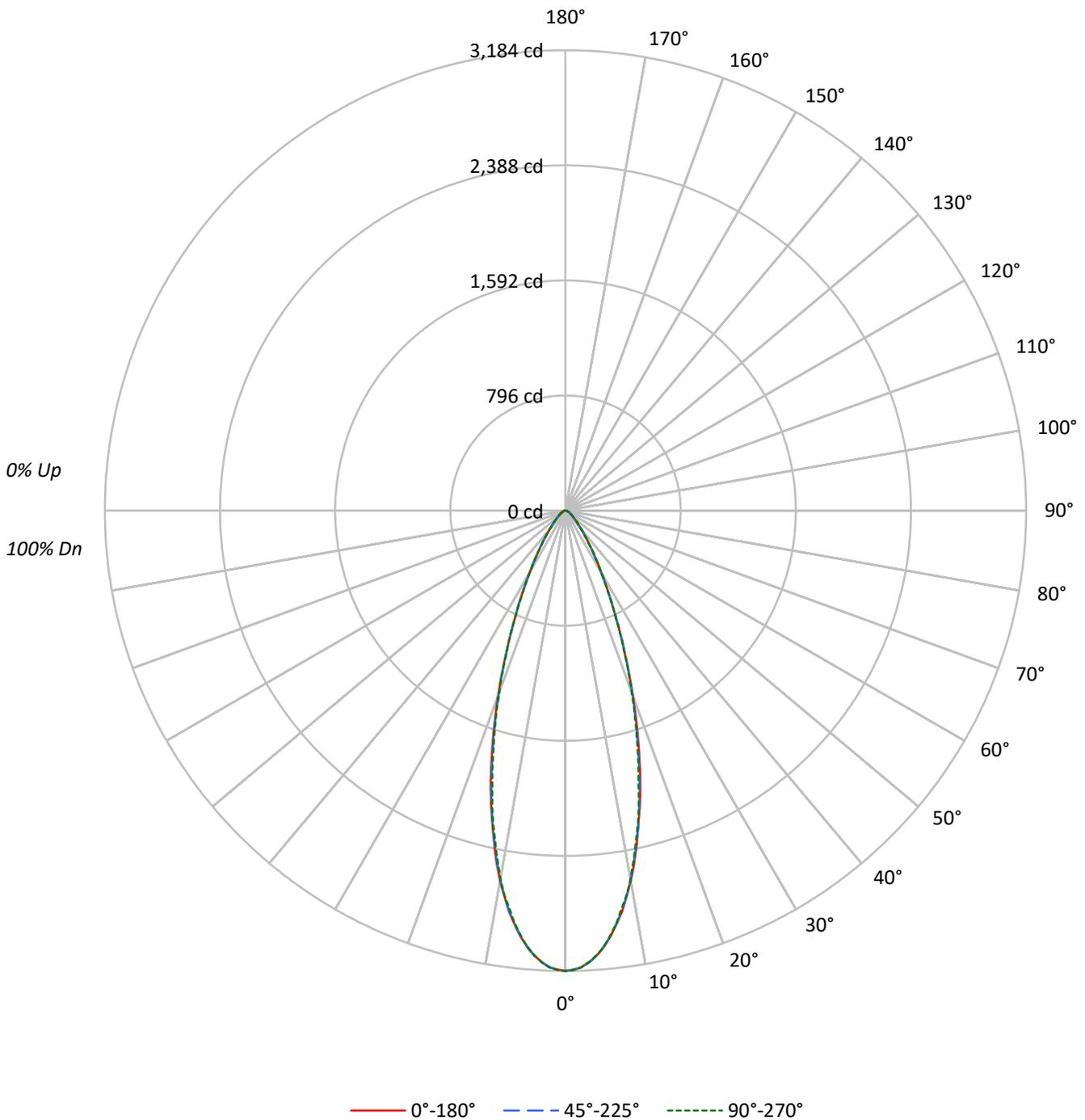
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1570.0 lumens  
Efficiency: N/A  
Efficacy: 54.5 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
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





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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	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94	94	94	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87	87	87	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82	82	82	82
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	77	77	77	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73	73	73	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	69	69	69	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	65	65	65	65
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	62	62	62	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59	59	59	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	56	56	56	56

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

	0°	45°	90°
0°	548271	548271	548271
5°	523897	522998	523897
10°	454809	453288	452675
15°	356382	353583	348002
20°	249328	247092	245498
25°	158349	159337	158349
30°	97563	98240	97563
35°	60340	60719	60719
40°	38332	38714	38714
45°	25842	26280	26694
50°	18648	19103	19103
55°	14623	14623	14623
60°	11987	11987	11987
65°	10636	10636	10636
70°	9618	9618	9618
75°	8118	8118	8118
80°	6943	6943	6943
85°	3359	3359	6916

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 26694 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	275.1	17.5
10°-20°	541.7	34.5
20°-30°	390.8	24.9
30°-40°	188.4	12.0
40°-50°	86.9	5.5
50°-60°	44.9	2.9
60°-70°	26.0	1.7
70°-80°	13.1	0.8
80°-90°	3.1	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°	1207.6	76.9
0°-40°	1396.0	88.9
0°-60°	1527.8	97.3
0°-90°	1570.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1570.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3184	3184	3184	3184	3184	
5°	3030	3037	3025	3027	3030	275
15°	1999	1995	1983	1974	1952	545
25°	833	835	838	838	833	391
35°	287	287	289	289	289	187
45°	106	108	108	110	110	86
55°	49	49	49	49	49	44
65°	26	26	26	26	26	26
75°	12	12	12	12	12	13
85°	2	2	2	2	4	3
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3183.5	3183.5	3183.5	3183.5	3183.5
1°	3174.8	3180.0	3178.3	3180.0	3178.3
2°	3159.1	3162.6	3159.1	3160.9	3160.9
3°	3126.1	3129.5	3129.5	3127.8	3126.1
4°	3086.1	3094.8	3086.1	3087.8	3082.6
5°	3030.4	3037.4	3025.2	3026.9	3030.4
6°	2962.5	2964.3	2960.8	2959.1	2955.6
7°	2884.3	2891.2	2879.0	2880.8	2877.3
8°	2800.8	2799.0	2799.0	2792.1	2781.6
9°	2699.9	2706.8	2696.4	2692.9	2694.6
10°	2600.7	2600.7	2592.0	2583.3	2588.5
11°	2487.6	2484.2	2478.9	2466.8	2463.3
12°	2364.1	2371.1	2355.4	2350.2	2338.0
13°	2237.1	2247.6	2240.6	2221.5	2223.2
14°	2118.8	2111.9	2106.7	2103.2	2091.0
15°	1998.8	1995.3	1983.1	1974.5	1951.8
17.5°	1670.0	1673.5	1650.9	1647.4	1638.7
20°	1360.4	1349.9	1348.2	1349.9	1339.5
22.5°	1073.3	1083.8	1071.6	1073.3	1066.4
25°	833.3	835.0	838.5	838.5	833.3
27.5°	647.1	647.1	643.7	647.1	641.9
30°	490.6	490.6	494.0	497.5	490.6
32.5°	379.2	379.2	379.2	381.0	382.7
35°	287.0	287.0	288.8	288.8	288.8
37.5°	220.9	222.7	224.4	224.4	224.4
40°	170.5	172.2	172.2	174.0	172.2
42.5°	135.7	135.7	135.7	137.4	137.4
45°	106.1	107.9	107.9	109.6	109.6
47.5°	87.0	87.0	87.0	88.7	88.7
50°	69.6	71.3	71.3	71.3	71.3
52.5°	57.4	57.4	59.1	59.1	59.1
55°	48.7	48.7	48.7	48.7	48.7
57.5°	40.0	41.8	41.8	41.8	41.8
60°	34.8	34.8	34.8	34.8	34.8
62.5°	29.6	29.6	29.6	29.6	29.6
65°	26.1	26.1	26.1	26.1	26.1
67.5°	20.9	22.6	22.6	22.6	22.6
70°	19.1	19.1	19.1	19.1	19.1
72.5°	13.9	15.7	15.7	15.7	15.7
75°	12.2	12.2	12.2	12.2	12.2
77.5°	10.4	8.7	8.7	8.7	10.4
80°	7.0	7.0	7.0	7.0	7.0
82.5°	5.2	5.2	5.2	5.2	5.2
85°	1.7	1.7	1.7	1.7	3.5
87.5°	0.0	0.0	0.0	1.7	1.7



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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)