

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: P1312723

Luminaire Tested: LDSQA3D17R309050DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

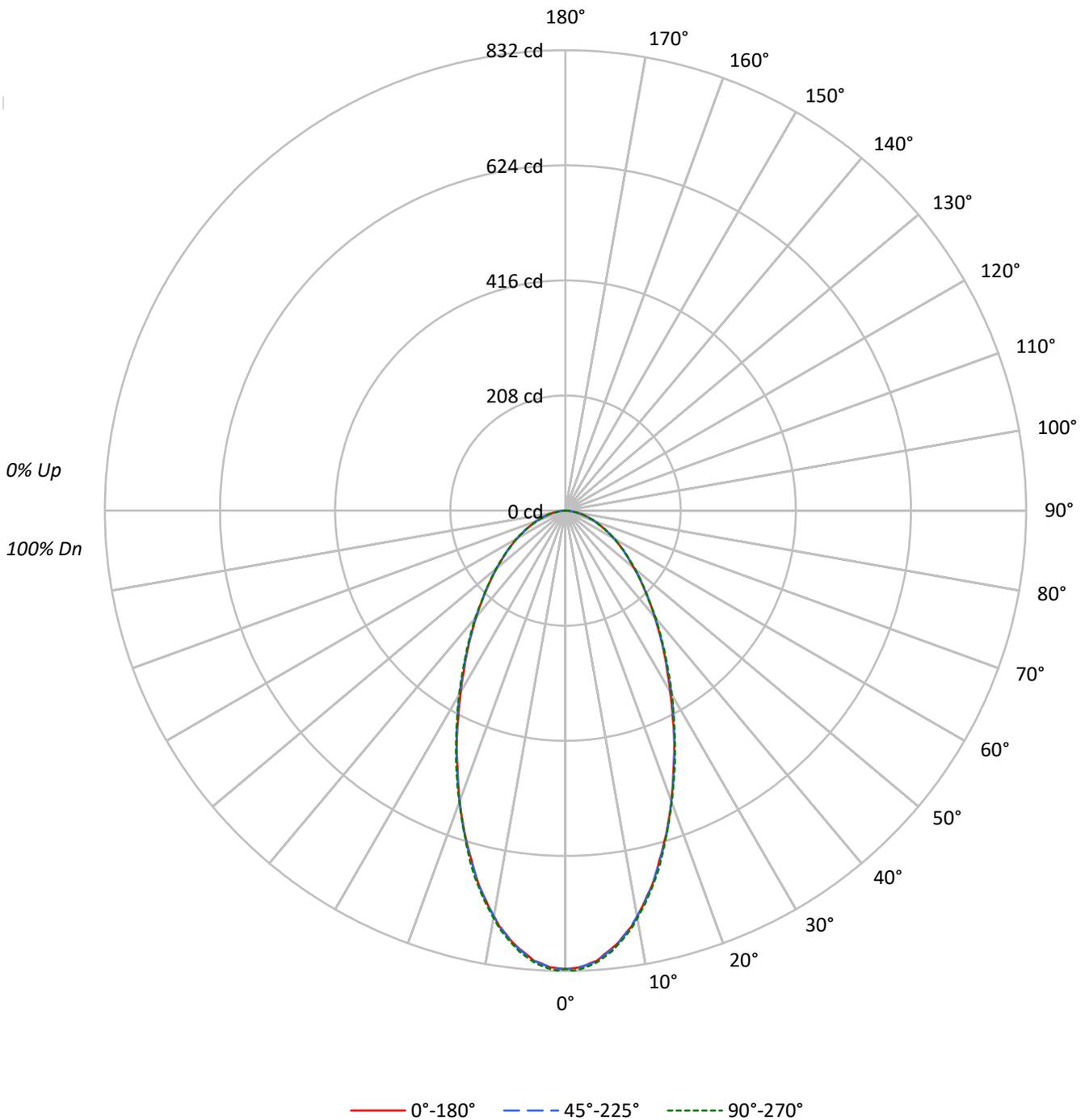
Test Method: LM-79-2019  
Report Number: P1312723  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R309050DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 5000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1064.0 lumens  
Efficiency: N/A  
Efficacy: 50.2 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9  
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 (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	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	79	79	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	70	70	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	56	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	51	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	37	37	35

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

	0°	45°	90°
0°	142704	142704	142704
5°	139186	139428	139947
10°	130233	130233	130757
15°	116785	117035	117819
20°	102506	102506	102781
25°	88381	88381	88932
30°	75231	76106	76384
35°	64987	65302	65596
40°	56250	56587	56902
45°	49102	49467	49467
50°	43378	43378	43780
55°	38884	38884	38884
60°	34996	34996	34996
65°	31175	31175	31175
70°	28148	28148	28148
75°	25485	24487	24487
80°	21919	20431	20431
85°	14623	14623	14623

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 49467 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.0	7.1
10°-20°	182.9	17.2
20°-30°	213.7	20.1
30°-40°	194.4	18.3
40°-50°	157.1	14.8
50°-60°	116.0	10.9
60°-70°	76.4	7.2
70°-80°	39.5	3.7
80°-90°	9.0	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°	471.7	44.3
0°-40°	666.1	62.6
0°-60°	939.1	88.3
0°-90°	1064.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1064.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	829	829	829	829	829	
5°	805	805	806	806	810	75
15°	655	656	656	656	661	183
25°	465	464	465	465	468	213
35°	309	308	311	311	312	194
45°	202	203	203	203	203	157
55°	130	128	130	128	130	116
65°	76	76	76	76	76	77
75°	38	37	37	37	37	41
85°	7	7	7	7	7	9
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	828.6	828.6	828.6	828.6	828.6
1°	827.2	827.2	828.6	827.2	831.6
2°	825.7	824.2	824.2	824.2	828.6
3°	819.8	819.8	821.3	819.8	824.2
4°	815.4	813.9	815.4	813.9	818.3
5°	805.1	805.1	806.5	806.5	809.5
6°	796.2	796.2	797.7	796.2	800.7
7°	785.9	785.9	785.9	785.9	788.9
8°	772.7	772.7	774.2	774.2	777.1
9°	760.9	759.4	759.4	759.4	763.9
10°	744.7	744.7	744.7	744.7	747.7
11°	728.5	728.5	728.5	728.5	731.5
12°	710.9	710.9	712.4	710.9	715.3
13°	694.7	694.7	694.7	694.7	697.6
14°	675.6	674.1	675.6	675.6	680.0
15°	655.0	656.4	656.4	656.4	660.8
17.5°	607.9	607.9	609.3	606.4	609.3
20°	559.3	557.8	559.3	559.3	560.8
22.5°	509.2	510.7	510.7	510.7	513.7
25°	465.1	463.6	465.1	465.1	468.0
27.5°	419.5	420.9	422.4	420.9	423.9
30°	378.3	381.2	382.7	379.7	384.1
32.5°	341.5	341.5	342.9	344.4	345.9
35°	309.1	307.6	310.6	310.6	312.0
37.5°	278.2	278.2	278.2	279.6	281.1
40°	250.2	250.2	251.7	251.7	253.1
42.5°	225.2	223.7	225.2	225.2	225.2
45°	201.6	203.1	203.1	203.1	203.1
47.5°	181.0	181.0	182.5	181.0	182.5
50°	161.9	161.9	161.9	161.9	163.4
52.5°	144.2	144.2	144.2	144.2	145.7
55°	129.5	128.0	129.5	128.0	129.5
57.5°	114.8	114.8	114.8	114.8	114.8
60°	101.6	100.1	101.6	100.1	101.6
62.5°	88.3	88.3	88.3	88.3	88.3
65°	76.5	76.5	76.5	76.5	76.5
67.5°	66.2	66.2	66.2	64.8	64.8
70°	55.9	55.9	55.9	55.9	55.9
72.5°	47.1	45.6	45.6	45.6	45.6
75°	38.3	36.8	36.8	36.8	36.8
77.5°	29.4	29.4	28.0	28.0	29.4
80°	22.1	20.6	20.6	20.6	20.6
82.5°	13.2	13.2	13.2	13.2	13.2
85°	7.4	7.4	7.4	7.4	7.4
87.5°	1.5	1.5	1.5	2.9	2.9



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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)