

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: P1308292

Luminaire Tested: LDSQA3D17R309027DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308292
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: LDSQA3D17R309027DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

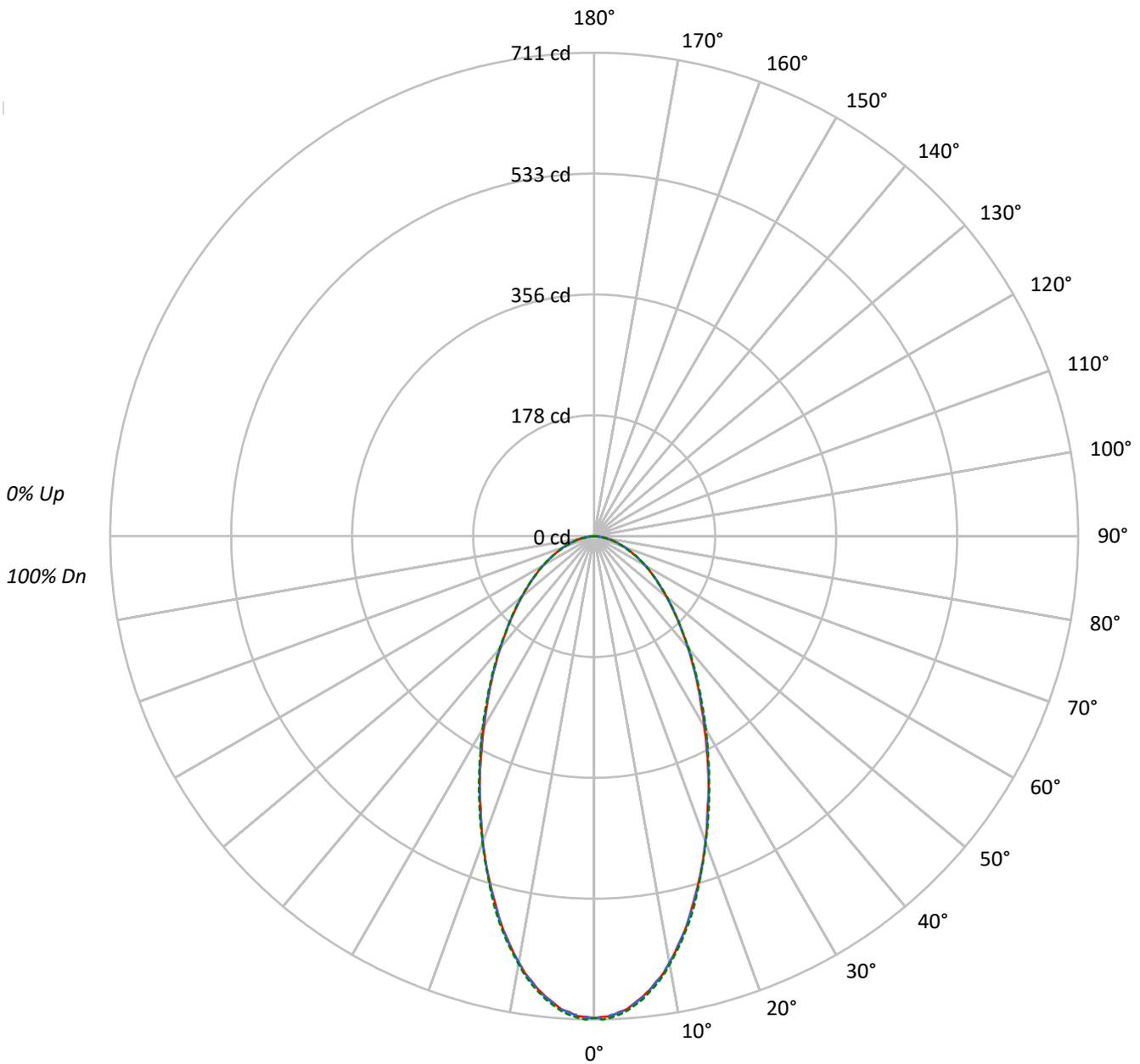
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 910.0 lumens
Efficiency: N/A
Efficacy: 42.9 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



— 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	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°	122054	122054	122054
5°	119046	119253	119685
10°	111381	111381	111835
15°	99883	100096	100774
20°	87661	87661	87899
25°	75593	75593	76068
30°	64333	65089	65327
35°	55568	55841	56114
40°	48112	48404	48674
45°	42014	42306	42306
50°	37108	37108	37430
55°	33269	33269	33269
60°	29932	29932	29932
65°	26692	26692	26692
70°	24069	24069	24069
75°	21759	20961	20961
80°	18745	17456	17456
85°	12449	12449	12449

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 42306 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.2	7.1
10°-20°	156.5	17.2
20°-30°	182.8	20.1
30°-40°	166.3	18.3
40°-50°	134.3	14.8
50°-60°	99.2	10.9
60°-70°	65.3	7.2
70°-80°	33.8	3.7
80°-90°	7.7	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°	403.4	44.3
0°-40°	569.7	62.6
0°-60°	803.2	88.3
0°-90°	910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	910.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	709	709	709	709	709	
5°	689	689	690	690	692	64
15°	560	561	561	561	565	156
25°	398	396	398	398	400	182
35°	264	263	266	266	267	166
45°	172	174	174	174	174	134
55°	111	110	111	110	111	99
65°	66	66	66	66	66	66
75°	33	32	32	32	32	35
85°	6	6	6	6	6	8
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	708.7	708.7	708.7	708.7	708.7
1°	707.4	707.4	708.7	707.4	711.2
2°	706.2	704.9	704.9	704.9	708.7
3°	701.1	701.1	702.4	701.1	704.9
4°	697.4	696.1	697.4	696.1	699.9
5°	688.6	688.6	689.8	689.8	692.3
6°	681.0	681.0	682.3	681.0	684.8
7°	672.2	672.2	672.2	672.2	674.7
8°	660.9	660.9	662.1	662.1	664.6
9°	650.8	649.5	649.5	649.5	653.3
10°	636.9	636.9	636.9	636.9	639.5
11°	623.1	623.1	623.1	623.1	625.6
12°	608.0	608.0	609.2	608.0	611.8
13°	594.1	594.1	594.1	594.1	596.7
14°	577.8	576.5	577.8	577.8	581.6
15°	560.2	561.4	561.4	561.4	565.2
17.5°	519.9	519.9	521.1	518.6	521.1
20°	478.3	477.1	478.3	478.3	479.6
22.5°	435.5	436.8	436.8	436.8	439.3
25°	397.8	396.5	397.8	397.8	400.3
27.5°	358.8	360.0	361.3	360.0	362.5
30°	323.5	326.0	327.3	324.8	328.5
32.5°	292.0	292.0	293.3	294.6	295.8
35°	264.3	263.1	265.6	265.6	266.9
37.5°	237.9	237.9	237.9	239.2	240.4
40°	214.0	214.0	215.3	215.3	216.5
42.5°	192.6	191.3	192.6	192.6	192.6
45°	172.5	173.7	173.7	173.7	173.7
47.5°	154.8	154.8	156.1	154.8	156.1
50°	138.5	138.5	138.5	138.5	139.7
52.5°	123.4	123.4	123.4	123.4	124.6
55°	110.8	109.5	110.8	109.5	110.8
57.5°	98.2	98.2	98.2	98.2	98.2
60°	86.9	85.6	86.9	85.6	86.9
62.5°	75.5	75.5	75.5	75.5	75.5
65°	65.5	65.5	65.5	65.5	65.5
67.5°	56.6	56.6	56.6	55.4	55.4
70°	47.8	47.8	47.8	47.8	47.8
72.5°	40.3	39.0	39.0	39.0	39.0
75°	32.7	31.5	31.5	31.5	31.5
77.5°	25.2	25.2	23.9	23.9	25.2
80°	18.9	17.6	17.6	17.6	17.6
82.5°	11.3	11.3	11.3	11.3	11.3
85°	6.3	6.3	6.3	6.3	6.3
87.5°	1.3	1.3	1.3	2.5	2.5



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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)