

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: P1307303

Luminaire Tested: LDSQA3D17R259024DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R259024DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

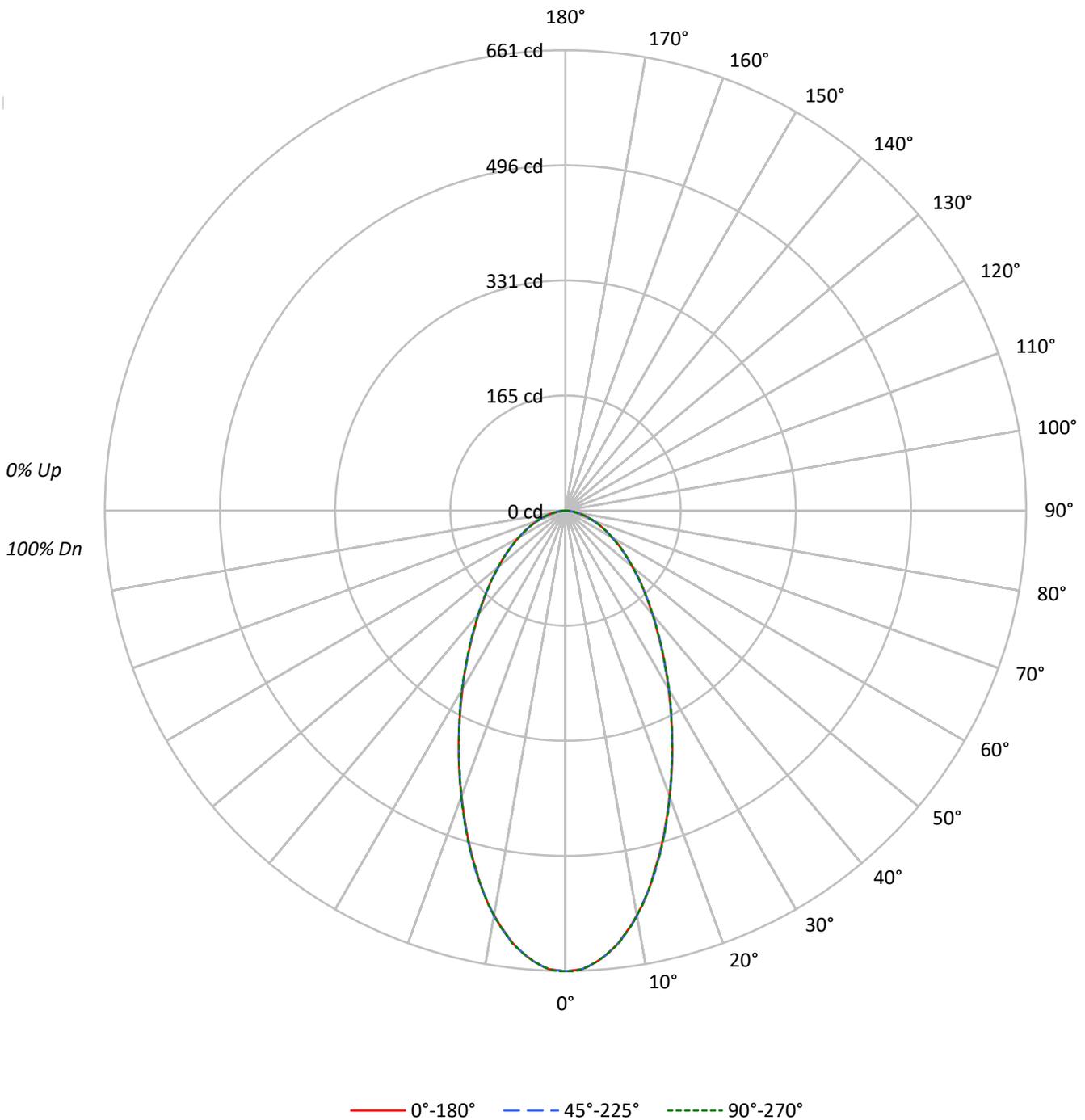
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 828.0 lumens
Efficiency: N/A
Efficacy: 39.1 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.89
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	88	
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	77	
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	70	68	
4	89	79	71	65	87	77	70	65	75	69	64	73	68	63	71	66	63	63	61	
5	83	72	64	58	81	71	64	58	69	62	58	67	61	57	65	60	56	56	55	
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	51	49	
7	73	61	53	48	71	60	53	48	59	52	47	57	51	47	56	51	47	47	45	
8	68	56	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	41	
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	40	38	
10	61	49	42	37	60	49	42	37	48	42	37	47	41	37	46	41	37	37	35	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	113908	113908	113908
5°	110989	110989	110989
10°	103144	103336	103144
15°	91984	92180	92180
20°	79981	80183	79981
25°	68885	68676	68676
30°	58765	58984	59202
35°	50417	50417	50648
40°	43683	43683	43683
45°	38190	38190	38190
50°	33491	33491	33786
55°	30026	30026	30026
60°	26626	26626	26626
65°	24084	24084	24084
70°	21753	21149	21753
75°	19630	18898	18898
80°	15769	15769	15769
85°	11263	11263	11263

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 38190 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.7	7.2
10°-20°	143.9	17.4
20°-30°	166.4	20.1
30°-40°	150.8	18.2
40°-50°	121.6	14.7
50°-60°	89.5	10.8
60°-70°	58.9	7.1
70°-80°	30.4	3.7
80°-90°	6.9	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°	370.0	44.7
0°-40°	520.8	62.9
0°-60°	731.8	88.4
0°-90°	828.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	828.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	661	661	661	661	661	
5°	642	644	642	642	642	60
15°	516	517	517	516	517	144
25°	362	361	361	362	361	166
35°	240	240	240	240	241	151
45°	157	157	157	157	157	121
55°	100	100	100	99	100	90
65°	59	59	59	59	59	59
75°	30	28	28	28	28	31
85°	6	6	6	6	6	7
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	661.4	661.4	661.4	661.4	661.4
1°	660.2	662.5	660.2	660.2	661.4
2°	659.1	660.2	659.1	659.1	659.1
3°	654.5	656.8	654.5	654.5	654.5
4°	648.9	651.1	648.9	648.9	648.9
5°	642.0	644.3	642.0	642.0	642.0
6°	634.1	635.2	634.1	634.1	634.1
7°	625.0	626.1	625.0	625.0	626.1
8°	613.6	614.8	614.8	613.6	613.6
9°	602.3	603.4	603.4	602.3	603.4
10°	589.8	590.9	590.9	589.8	589.8
11°	577.3	578.4	576.1	576.1	577.3
12°	562.5	563.6	562.5	562.5	562.5
13°	547.7	547.7	547.7	547.7	547.7
14°	530.7	532.9	532.9	531.8	530.7
15°	515.9	517.0	517.0	515.9	517.0
17.5°	476.1	478.4	477.3	477.3	477.3
20°	436.4	437.5	437.5	436.4	436.4
22.5°	398.9	397.7	397.7	397.7	397.7
25°	362.5	361.4	361.4	362.5	361.4
27.5°	327.3	328.4	328.4	327.3	328.4
30°	295.5	295.5	296.6	295.5	297.7
32.5°	267.0	267.0	265.9	267.0	267.0
35°	239.8	239.8	239.8	239.8	240.9
37.5°	214.8	215.9	217.0	217.0	215.9
40°	194.3	194.3	194.3	194.3	194.3
42.5°	173.9	173.9	175.0	175.0	175.0
45°	156.8	156.8	156.8	156.8	156.8
47.5°	140.9	140.9	139.8	139.8	140.9
50°	125.0	126.1	125.0	125.0	126.1
52.5°	112.5	111.4	111.4	112.5	112.5
55°	100.0	100.0	100.0	98.9	100.0
57.5°	88.6	88.6	87.5	87.5	87.5
60°	77.3	77.3	77.3	77.3	77.3
62.5°	68.2	68.2	68.2	68.2	68.2
65°	59.1	59.1	59.1	59.1	59.1
67.5°	51.1	51.1	51.1	51.1	50.0
70°	43.2	43.2	42.0	42.0	43.2
72.5°	35.2	35.2	35.2	35.2	35.2
75°	29.5	28.4	28.4	28.4	28.4
77.5°	22.7	22.7	21.6	22.7	21.6
80°	15.9	15.9	15.9	15.9	15.9
82.5°	11.4	10.2	10.2	10.2	10.2
85°	5.7	5.7	5.7	5.7	5.7
87.5°	1.1	1.1	1.1	1.1	2.3



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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)