

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: P1323565

Luminaire Tested: LDSQA3D05R159030D2WDE010 3LSQPHR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323565
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R159030D2WDE010 3LSQPHR1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

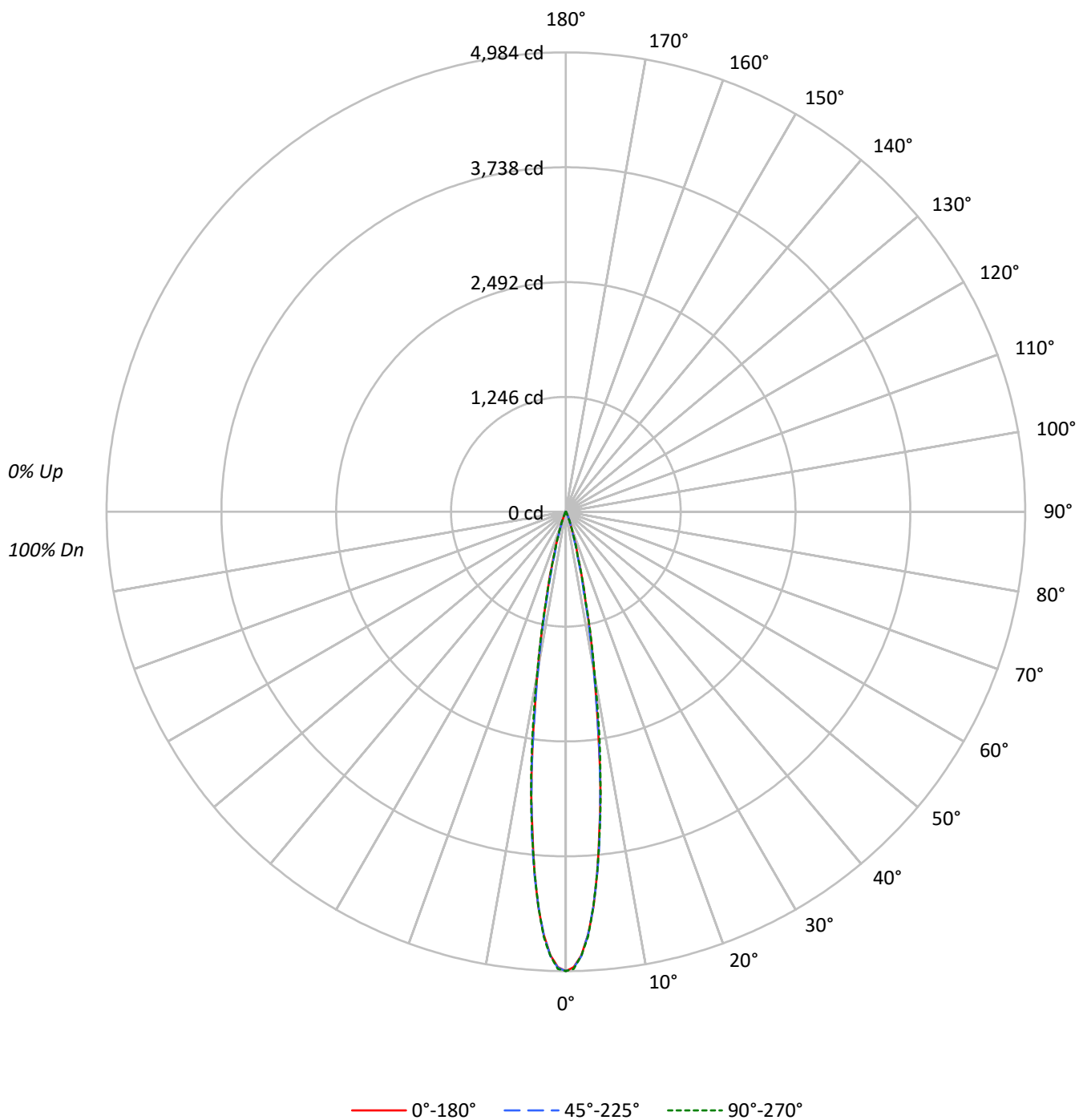
Lumens per Lamp: N/A
Luminaire Lumens: 499.0 lumens
Efficiency: N/A
Efficacy: 45.0 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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
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	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	858272	858272	858272
5°	677000	678815	676395
10°	309729	301615	316269
15°	92091	82213	90219
20°	27345	26520	28719
25°	7772	10052	9007
30°	2784	2983	2685
35°	1051	946	946
40°	450	225	337
45°	244	122	244
50°	134	0	134
55°	150	0	150
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 255 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.1	60.3
10°-20°	167.2	33.5
20°-30°	26.6	5.3
30°-40°	3.5	0.7
40°-50°	0.5	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	494.9	99.2
0°-40°	498.4	99.9
0°-60°	499.0	100.0
0°-90°	499.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	499.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4984	4984	4984	4984	4984	
5°	3916	3949	3926	3910	3912	300
15°	516	510	461	490	506	170
25°	41	46	53	53	47	25
35°	5	5	4	5	4	4
45°	1	1	0	0	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4983.5	4983.5	4983.5	4983.5	4983.5	4983.5	4983.5	4983.5	4983.5	4983.5	4983.5
1°	4940.6	4946.1	4953.1	4946.6	4940.6	4946.1	4938.6	4939.6	4933.6	4946.6	4961.0
2°	4814.8	4821.8	4817.8	4808.8	4822.8	4823.8	4808.3	4800.8	4799.8	4812.8	4817.8
3°	4592.2	4608.2	4608.7	4605.7	4601.2	4592.2	4576.3	4586.8	4572.3	4563.3	4614.2
4°	4296.3	4310.3	4326.7	4315.8	4282.8	4285.8	4296.3	4260.9	4262.9	4283.3	4284.8
5°	3916.0	3958.4	3960.4	3945.0	3919.0	3926.5	3919.0	3909.0	3912.5	3925.5	3912.5
6°	3468.4	3516.3	3480.9	3514.8	3507.3	3516.8	3519.3	3508.8	3516.3	3508.3	3505.8
7°	3081.6	3045.2	3050.2	3036.2	3051.2	3061.2	3067.1	3049.2	3063.7	3086.6	3093.1
8°	2602.0	2591.6	2581.1	2606.0	2599.0	2611.0	2618.5	2638.5	2637.5	2644.5	2667.4
9°	2145.4	2160.9	2170.4	2148.4	2167.4	2130.4	2143.4	2196.8	2182.8	2196.8	2237.7
10°	1771.1	1783.6	1769.6	1769.1	1749.2	1724.7	1723.2	1743.2	1785.1	1818.0	1808.5
12.5°	977.1	988.1	989.6	988.6	952.7	912.3	919.7	935.7	961.7	972.6	990.6
15°	516.5	516.0	521.5	506.0	487.1	461.1	463.1	485.1	504.5	509.5	506.0
17.5°	265.0	266.0	270.0	266.0	246.0	248.5	254.0	256.5	268.0	272.5	270.0
20°	149.2	149.7	149.2	150.7	142.7	144.7	151.7	152.2	154.7	157.2	156.7
22.5°	85.3	85.8	88.8	87.8	85.8	88.3	89.8	92.3	93.3	92.3	95.3
25°	40.9	41.4	41.4	47.4	50.4	52.9	53.9	52.9	51.9	47.9	47.4
27.5°	23.5	23.5	24.5	25.0	26.0	30.4	29.9	25.0	21.0	21.0	21.5
30°	14.0	13.5	13.5	14.0	14.5	15.0	14.0	13.5	13.5	14.0	13.5
32.5°	8.5	8.5	8.5	8.0	8.0	7.5	7.5	8.5	8.5	8.5	8.5
35°	5.0	5.0	5.0	5.0	4.5	4.5	4.5	5.0	5.0	4.5	4.5
37.5°	3.0	3.0	3.0	2.5	2.5	2.0	2.5	2.5	2.5	2.5	2.5
40°	2.0	2.0	1.5	1.5	1.0	1.0	1.0	1.5	1.5	1.5	1.5
42.5°	1.5	1.5	1.0	1.0	0.5	0.5	0.5	1.0	1.0	1.0	1.0
45°	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
47.5°	1.0	1.0	0.5	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.5
50°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
52.5°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
55°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)