

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: P1323711

Luminaire Tested: LDSQA3D09R159030D2WDE010 3LSQPHR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323711
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: LDSQA3D09R159030D2WDE010 3LSQPHR1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

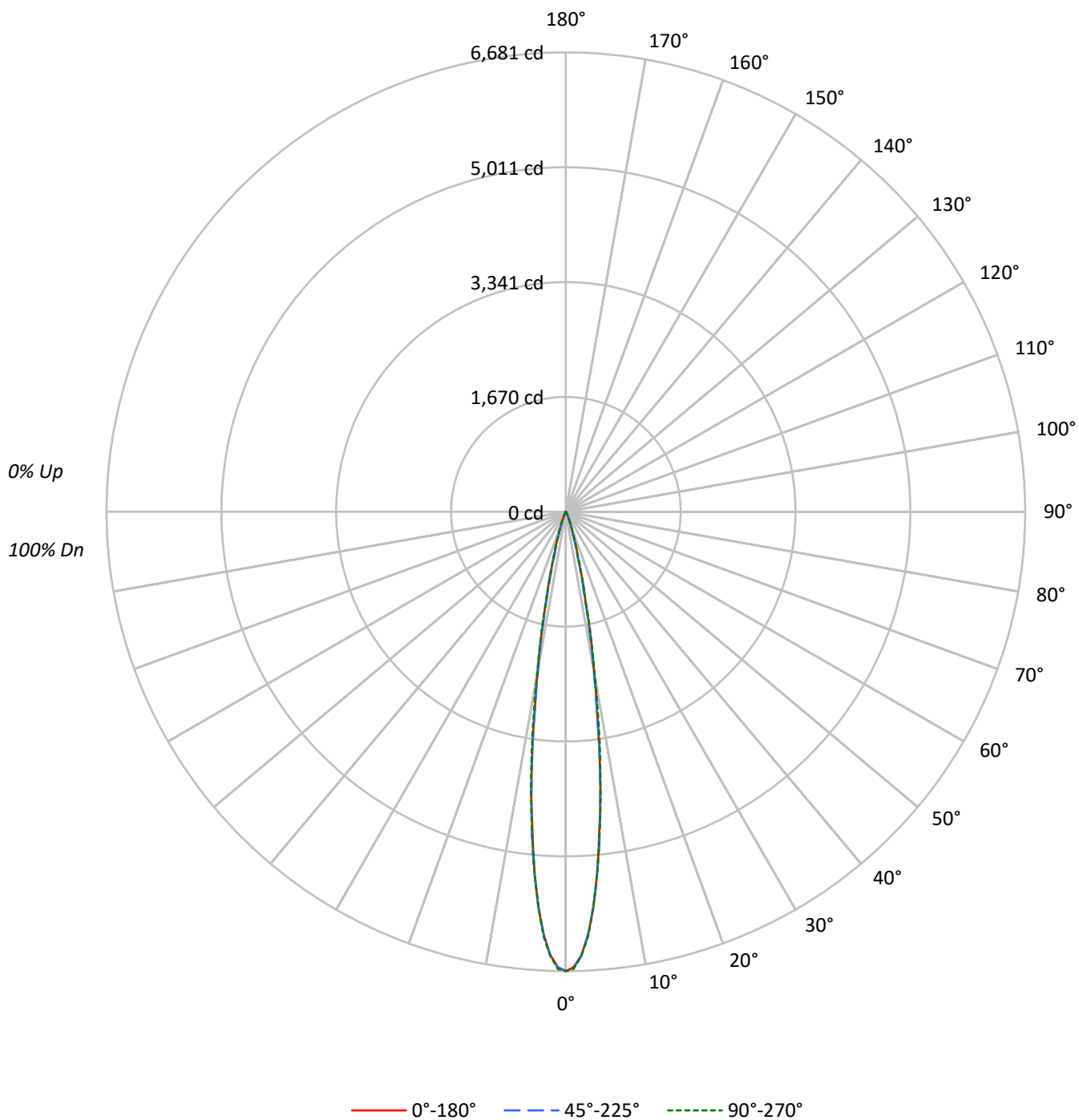
Lumens per Lamp: N/A
Luminaire Lumens: 669.0 lumens
Efficiency: N/A
Efficacy: 45.5 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
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					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	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°	1150671	1150671	1150671
5°	907640	910078	906845
10°	415251	404374	424030
15°	123471	110224	120957
20°	36673	35555	38506
25°	10432	13473	12086
30°	3719	3997	3599
35°	1409	1261	1261
40°	607	292	450
45°	317	170	317
50°	188	0	188
55°	210	0	210
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: 331 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.7	60.3
10°-20°	224.1	33.5
20°-30°	35.7	5.3
30°-40°	4.7	0.7
40°-50°	0.7	0.1
50°-60°	0.2	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°	663.5	99.2
0°-40°	668.1	99.9
0°-60°	669.0	100.0
0°-90°	669.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	669.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6681	6681	6681	6681	6681	
5°	5250	5294	5264	5242	5246	403
15°	692	684	618	657	678	228
25°	55	62	71	71	64	34
35°	7	7	6	7	6	5
45°	1	1	1	1	1	1
55°	1	0	0	0	1	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°	6681.3	6681.3	6681.3	6681.3	6681.3	6681.3	6681.3	6681.3	6681.3	6681.3	6681.3
1°	6623.7	6631.1	6640.5	6631.8	6623.7	6631.1	6621.1	6622.4	6614.4	6631.8	6651.2
2°	6455.1	6464.5	6459.1	6447.1	6465.8	6467.2	6446.4	6436.4	6435.1	6452.5	6459.1
3°	6156.7	6178.1	6178.8	6174.8	6168.8	6156.7	6135.3	6149.4	6130.0	6117.9	6186.2
4°	5760.0	5778.7	5800.8	5786.1	5741.9	5745.9	5760.0	5712.5	5715.1	5742.6	5744.6
5°	5250.1	5307.0	5309.7	5289.0	5254.2	5264.2	5254.2	5240.8	5245.5	5262.9	5245.5
6°	4650.0	4714.2	4666.7	4712.2	4702.2	4714.9	4718.2	4704.2	4714.2	4703.5	4700.2
7°	4131.5	4082.6	4089.3	4070.6	4090.7	4104.0	4112.1	4088.0	4107.4	4138.2	4146.9
8°	3488.5	3474.5	3460.4	3493.9	3484.5	3500.5	3510.6	3537.3	3536.0	3545.4	3576.1
9°	2876.3	2897.0	2909.8	2880.3	2905.7	2856.2	2873.6	2945.2	2926.5	2945.2	3000.1
10°	2374.5	2391.2	2372.5	2371.8	2345.1	2312.3	2310.3	2337.0	2393.2	2437.4	2424.7
12.5°	1310.0	1324.7	1326.8	1325.4	1277.2	1223.0	1233.1	1254.5	1289.3	1304.0	1328.1
15°	692.5	691.8	699.2	678.4	653.0	618.2	620.9	650.3	676.4	683.1	678.4
17.5°	355.3	356.6	362.0	356.6	329.8	333.2	340.6	343.9	359.3	365.3	362.0
20°	200.1	200.7	200.1	202.1	191.4	194.0	203.4	204.1	207.4	210.8	210.1
22.5°	114.4	115.1	119.1	117.8	115.1	118.4	120.4	123.8	125.1	123.8	127.8
25°	54.9	55.5	55.5	63.6	67.6	70.9	72.3	70.9	69.6	64.2	63.6
27.5°	31.4	31.4	32.8	33.5	34.8	40.8	40.1	33.5	28.1	28.1	28.8
30°	18.7	18.1	18.1	18.7	19.4	20.1	18.7	18.1	18.1	18.7	18.1
32.5°	11.4	11.4	11.4	10.7	10.7	10.0	10.0	11.4	11.4	11.4	11.4
35°	6.7	6.7	6.7	6.7	6.0	6.0	6.0	6.7	6.7	6.0	6.0
37.5°	4.0	4.0	4.0	3.3	3.3	2.7	3.3	3.3	3.3	3.3	3.3
40°	2.7	2.7	2.0	2.0	1.3	1.3	1.3	2.0	2.0	2.0	2.0
42.5°	2.0	2.0	1.3	1.3	0.7	0.7	0.7	1.3	1.3	1.3	1.3
45°	1.3	1.3	1.3	0.7	0.7	0.7	0.7	0.7	0.7	1.3	1.3
47.5°	1.3	1.3	0.7	0.7	0.0	0.0	0.0	0.7	0.7	0.7	0.7
50°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
52.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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	0.7	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)