

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: P1324016

Luminaire Tested: LDSQA3D17R209030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324016
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R209030D2WDE010 3LSQCDR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

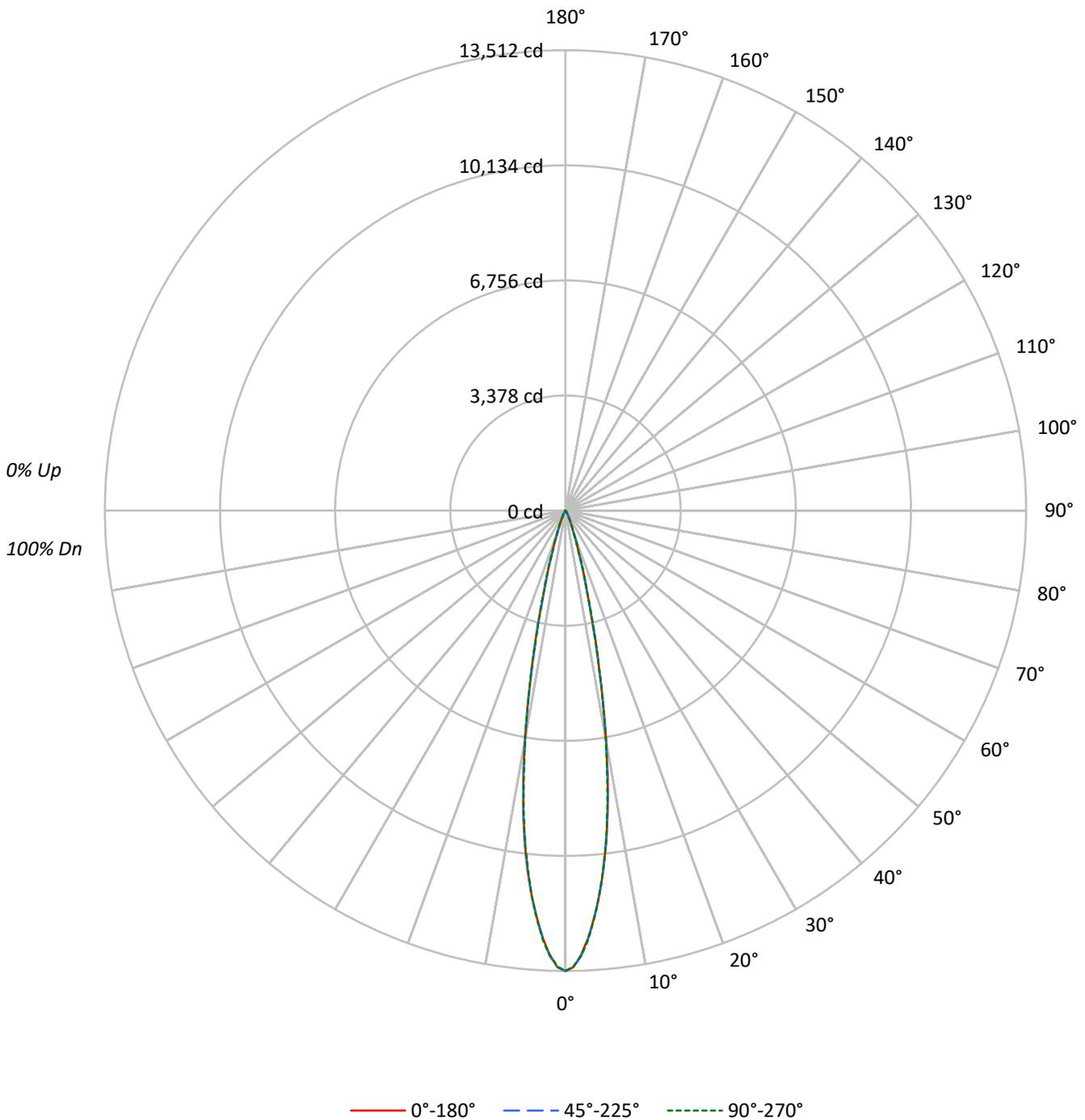
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1861.9 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.3
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	102	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	87
7	100	94	90	88	99	94	90	88	92	90	87	92	89	87	91	88	87	91	88	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	88	85	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2327038	2327038	2327038
5°	1961329	1962090	1961087
10°	1195196	1189652	1192416
15°	420997	422798	435903
20°	132288	135972	133076
25°	49559	54196	50927
30°	19191	27225	20046
35°	7274	12110	7884
40°	3889	5193	3889
45°	1413	2460	1754
50°	777	1152	777
55°	871	871	871
60°	482	482	482
65°	571	571	571
70°	705	705	705
75°	0	0	932
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2460 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	938.0	50.4
10°-20°	735.5	39.5
20°-30°	144.4	7.8
30°-40°	32.4	1.7
40°-50°	7.4	0.4
50°-60°	2.3	0.1
60°-70°	1.4	0.1
70°-80°	0.6	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°	1817.8	97.6
0°-40°	1850.3	99.4
0°-60°	1860.0	99.9
0°-90°	1861.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1861.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13512	13512	13512	13512	13512	
5°	11345	11355	11349	11388	11344	940
15°	2361	2371	2371	2423	2445	734
25°	261	278	285	281	268	137
35°	35	42	58	42	38	26
45°	6	9	10	9	7	6
55°	3	3	3	3	3	2
65°	1	1	1	1	1	1
75°	0	0	0	0	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	13511.8	13511.8	13511.8	13511.8	13511.8
1°	13402.3	13373.5	13406.6	13380.7	13386.4
2°	13055.1	13039.2	13082.4	13055.1	13069.5
3°	12572.5	12552.3	12584.0	12585.4	12625.8
4°	11996.2	11957.3	12004.9	12006.3	12013.5
5°	11345.0	11355.1	11349.4	11388.3	11343.6
6°	10613.2	10646.3	10603.1	10624.7	10562.8
7°	9794.9	9753.1	9731.5	9738.7	9781.9
8°	8891.6	8862.8	8894.5	8849.8	8819.6
9°	7887.5	7837.1	7871.7	7828.4	7785.2
10°	6834.4	6811.3	6802.7	6753.7	6818.5
11°	5778.4	5709.3	5743.8	5719.3	5789.9
12°	4790.1	4795.9	4728.2	4749.8	4758.4
13°	3898.4	3806.2	3817.7	3876.8	3886.8
14°	3023.9	3036.9	3041.2	3083.0	3107.5
15°	2361.2	2371.3	2371.3	2423.2	2444.8
17.5°	1266.3	1266.3	1293.7	1299.5	1302.3
20°	721.8	726.1	741.9	740.5	726.1
22.5°	432.2	440.8	449.5	440.8	432.2
25°	260.8	278.0	285.2	280.9	268.0
27.5°	155.6	174.3	194.5	178.6	154.1
30°	96.5	106.6	136.9	109.5	100.8
32.5°	53.3	69.2	93.6	72.0	54.7
35°	34.6	41.8	57.6	41.8	37.5
37.5°	24.5	28.8	36.0	30.3	25.9
40°	17.3	20.2	23.1	21.6	17.3
42.5°	11.5	14.4	15.8	14.4	11.5
45°	5.8	8.6	10.1	8.6	7.2
47.5°	2.9	4.3	7.2	4.3	2.9
50°	2.9	2.9	4.3	2.9	2.9
52.5°	2.9	2.9	2.9	2.9	2.9
55°	2.9	2.9	2.9	2.9	2.9
57.5°	2.9	2.9	1.4	2.9	1.4
60°	1.4	1.4	1.4	1.4	1.4
62.5°	1.4	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	0.0	0.0	0.0	0.0	1.4
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)