

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: P1323870

Luminaire Tested: LDSQA3D13R209030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323870
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: LDSQA3D13R209030D2WDE010 3LSQCDR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

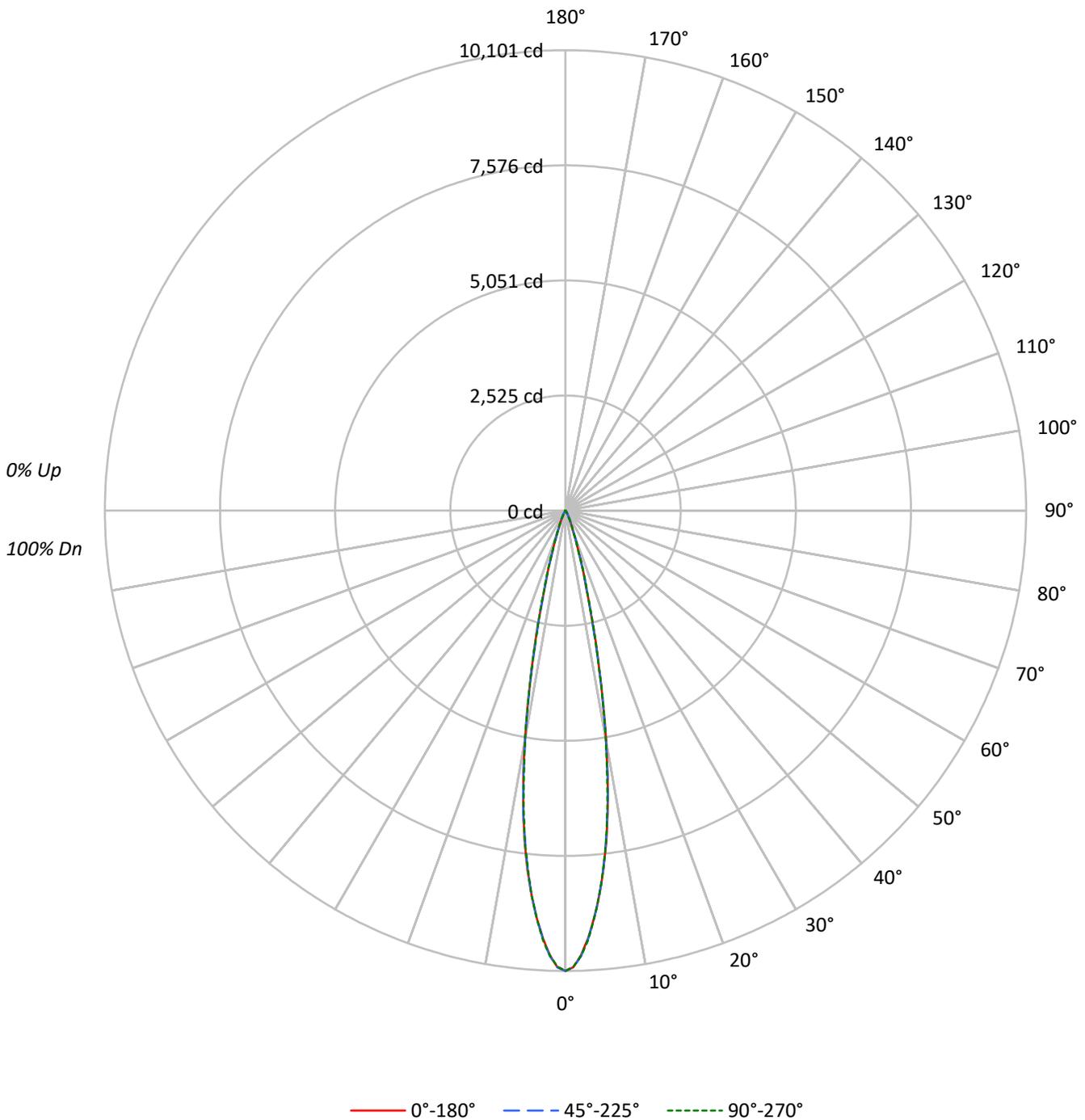
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1392.1 lumens
Efficiency: N/A
Efficacy: 69.3 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): 20.1
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

TEST NUMBER: P1323870
CATALOG NUMBER: LDSQA3D13R209030D2WDE010 3LSQCDR1MW

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	91	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	85	84	87	85	83	87	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°	1739655	1739655	1739655
5°	1466269	1466822	1466079
10°	893512	889367	891431
15°	314732	316069	325875
20°	98895	101663	99482
25°	37036	40514	38062
30°	14358	20344	14994
35°	5424	9062	5887
40°	2900	3867	2900
45°	1047	1827	1315
50°	589	857	589
55°	661	661	661
60°	379	379	379
65°	448	448	448
70°	554	554	554
75°	0	0	732
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1827 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	701.2	50.4
10°-20°	549.8	39.5
20°-30°	108.0	7.8
30°-40°	24.2	1.7
40°-50°	5.5	0.4
50°-60°	1.8	0.1
60°-70°	1.1	0.1
70°-80°	0.5	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°	1359.0	97.6
0°-40°	1383.2	99.4
0°-60°	1390.5	99.9
0°-90°	1392.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1392.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10101	10101	10101	10101	10101	
5°	8481	8489	8485	8514	8480	703
15°	1765	1773	1773	1812	1828	549
25°	195	208	213	210	200	103
35°	26	31	43	31	28	19
45°	4	6	8	6	5	4
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	1	0
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°	10101.2	10101.2	10101.2	10101.2	10101.2
1°	10019.3	9997.8	10022.5	10003.2	10007.5
2°	9759.8	9747.9	9780.2	9759.8	9770.5
3°	9399.0	9383.9	9407.6	9408.7	9438.8
4°	8968.2	8939.1	8974.6	8975.7	8981.1
5°	8481.4	8488.9	8484.6	8513.7	8480.3
6°	7934.2	7959.0	7926.7	7942.9	7896.5
7°	7322.5	7291.3	7275.1	7280.5	7312.8
8°	6647.2	6625.7	6649.4	6616.0	6593.4
9°	5896.6	5858.9	5884.7	5852.4	5820.1
10°	5109.3	5092.0	5085.6	5049.0	5097.4
11°	4319.8	4268.1	4294.0	4275.7	4328.5
12°	3581.0	3585.3	3534.7	3550.9	3557.3
13°	2914.4	2845.4	2854.0	2898.2	2905.7
14°	2260.6	2270.3	2273.5	2304.8	2323.1
15°	1765.2	1772.7	1772.7	1811.5	1827.7
17.5°	946.7	946.7	967.1	971.5	973.6
20°	539.6	542.8	554.7	553.6	542.8
22.5°	323.1	329.6	336.0	329.6	323.1
25°	194.9	207.9	213.2	210.0	200.3
27.5°	116.3	130.3	145.4	133.5	115.2
30°	72.2	79.7	102.3	81.9	75.4
32.5°	39.8	51.7	70.0	53.8	40.9
35°	25.8	31.2	43.1	31.2	28.0
37.5°	18.3	21.5	26.9	22.6	19.4
40°	12.9	15.1	17.2	16.2	12.9
42.5°	8.6	10.8	11.8	10.8	8.6
45°	4.3	6.5	7.5	6.5	5.4
47.5°	2.2	3.2	5.4	3.2	2.2
50°	2.2	2.2	3.2	2.2	2.2
52.5°	2.2	2.2	2.2	2.2	2.2
55°	2.2	2.2	2.2	2.2	2.2
57.5°	2.2	2.2	1.1	2.2	1.1
60°	1.1	1.1	1.1	1.1	1.1
62.5°	1.1	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	0.0	0.0	0.0	0.0	1.1
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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CATALOG NUMBER: LDSQA3D13R209030D2WDE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)