

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: P1323871

Luminaire Tested: LDSQA3D13R209030D2WDE010 3LSQPHR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323871
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R209030D2WDE010 3LSQPHR1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

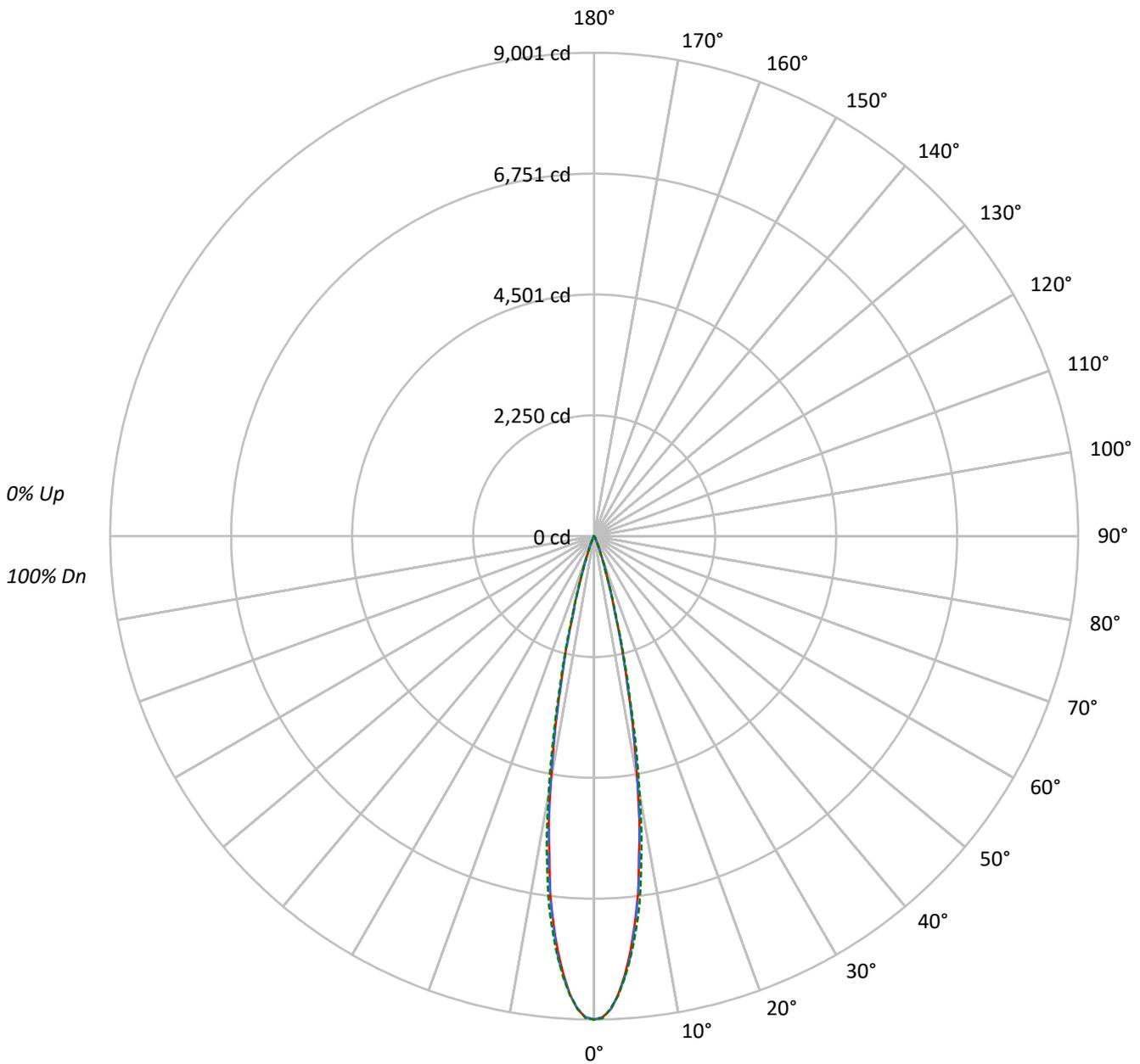
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1209.0 lumens
Efficiency: N/A
Efficacy: 60.1 lumens/watt
Spacing Criteria (0/90/45): 0.35 / 0.36 / 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

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	96	95	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	95	93	92	91
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	93	91	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	89	92	90	88	92	90	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	91	88	87	91	88	87	86
9	97	92	88	86	96	91	88	86	91	88	86	90	87	86	89	87	85	89	87	85	85
10	95	90	87	85	95	90	87	85	89	86	84	88	86	84	88	86	84	88	86	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1550245	1550245	1550245
5°	1339219	1351701	1356732
10°	806194	813732	854234
15°	278858	272315	294013
20°	73237	68893	69095
25°	15962	19231	21910
30°	6861	6861	7060
35°	3847	3406	3616
40°	1686	1933	2181
45°	536	779	779
50°	295	295	295
55°	0	0	0
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: 22.5°
 Vertical Angle: 45°
 Luminance: 779 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	643.8	53.3
10°-20°	490.2	40.5
20°-30°	60.6	5.0
30°-40°	11.5	0.9
40°-50°	2.8	0.2
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°	1194.6	98.8
0°-40°	1206.1	99.8
0°-60°	1209.0	100.0
0°-90°	1209.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1209.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9001	9001	9001	9001	9001	
5°	7746	7741	7819	7813	7848	639
15°	1564	1508	1527	1619	1649	490
25°	84	96	101	106	115	58
35°	18	18	16	17	17	12
45°	2	3	3	3	3	2
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9001.4	9001.4	9001.4	9001.4	9001.4
1°	8959.4	8948.6	8957.2	8938.9	8976.6
2°	8816.1	8805.3	8805.3	8794.6	8799.9
3°	8549.0	8566.2	8555.4	8532.8	8561.9
4°	8184.9	8204.3	8221.5	8222.6	8226.9
5°	7746.5	7741.1	7818.7	7813.3	7847.8
6°	7246.8	7240.3	7273.7	7329.7	7398.6
7°	6697.4	6618.8	6708.2	6821.3	6913.9
8°	5986.5	6007.0	6068.4	6202.0	6276.3
9°	5383.4	5263.8	5394.1	5553.5	5634.3
10°	4610.0	4513.1	4653.1	4821.1	4884.7
12.5°	2901.7	2817.7	2862.9	3039.6	3067.6
15°	1564.0	1507.9	1527.3	1618.9	1649.0
17.5°	798.1	747.5	736.7	794.9	801.4
20°	399.6	387.8	375.9	381.3	377.0
22.5°	185.3	201.4	199.3	188.5	201.4
25°	84.0	95.9	101.2	105.6	115.3
27.5°	51.7	49.5	57.1	61.4	62.5
30°	34.5	33.4	34.5	35.5	35.5
32.5°	24.8	23.7	22.6	22.6	23.7
35°	18.3	18.3	16.2	17.2	17.2
37.5°	12.9	12.9	11.8	12.9	12.9
40°	7.5	8.6	8.6	8.6	9.7
42.5°	4.3	5.4	5.4	5.4	5.4
45°	2.2	3.2	3.2	3.2	3.2
47.5°	1.1	1.1	1.1	2.2	2.2
50°	1.1	1.1	1.1	1.1	1.1
52.5°	1.1	0.0	0.0	0.0	1.1
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)