

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: P1307122

Luminaire Tested: LDSQA3D13R209024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307122
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: LDSQA3D13R209024DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

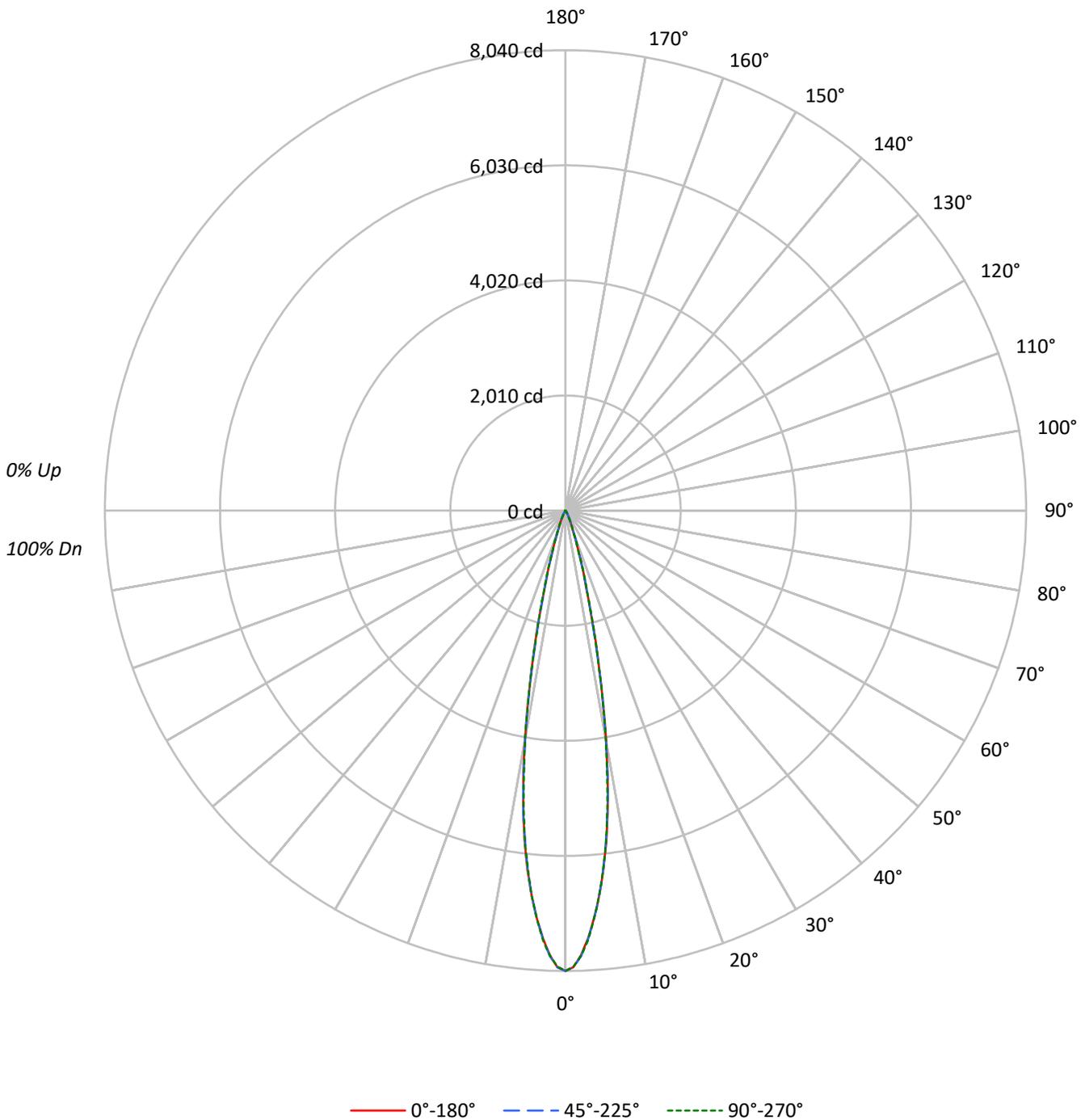
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1108.1 lumens
Efficiency: N/A
Efficacy: 75.9 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): 14.6
Input Voltage (V): NR
Input Current (A_{in}): 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	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	110	113	111	110	109	108	106	105	104	103	102	101	100	99	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	97	96	94	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	97	96	94	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	96	94	92	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	94	92	90	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	92	90	88	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	91	88	87	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	89	87	85	84
9	96	90	87	84	95	90	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	86	84	82	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1384722	1384722	1384722
5°	1167116	1167548	1166961
10°	711217	707912	709556
15°	250527	251596	259388
20°	78717	80916	79193
25°	29492	32248	30309
30°	11415	16188	11932
35°	4331	7211	4688
40°	2316	3080	2316
45°	828	1461	1047
50°	455	697	455
55°	510	510	510
60°	310	310	310
65°	367	367	367
70°	453	453	453
75°	0	0	599
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1461 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	558.1	50.4
10°-20°	437.7	39.5
20°-30°	85.9	7.8
30°-40°	19.3	1.7
40°-50°	4.4	0.4
50°-60°	1.4	0.1
60°-70°	0.9	0.1
70°-80°	0.4	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°	1081.7	97.6
0°-40°	1101.0	99.4
0°-60°	1106.8	99.9
0°-90°	1108.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1108.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8040	8040	8040	8040	8040	
5°	6751	6757	6754	6777	6750	559
15°	1405	1411	1411	1442	1455	437
25°	155	166	170	167	160	82
35°	21	25	34	25	22	15
45°	3	5	6	5	4	3
55°	2	2	2	2	2	1
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°	8040.3	8040.3	8040.3	8040.3	8040.3
1°	7975.1	7958.0	7977.7	7962.3	7965.7
2°	7768.5	7759.1	7784.8	7768.5	7777.1
3°	7481.4	7469.4	7488.2	7489.1	7513.1
4°	7138.5	7115.3	7143.6	7144.5	7148.7
5°	6751.0	6757.0	6753.5	6776.7	6750.1
6°	6315.5	6335.2	6309.5	6322.3	6285.5
7°	5828.5	5803.7	5790.8	5795.1	5820.8
8°	5291.0	5273.9	5292.8	5266.2	5248.2
9°	4693.5	4663.5	4684.1	4658.4	4632.7
10°	4066.9	4053.2	4048.0	4018.9	4057.4
11°	3438.5	3397.3	3417.9	3403.3	3445.4
12°	2850.4	2853.8	2813.5	2826.4	2831.5
13°	2319.8	2264.9	2271.8	2306.9	2312.9
14°	1799.4	1807.1	1809.7	1834.5	1849.1
15°	1405.1	1411.1	1411.1	1441.9	1454.8
17.5°	753.5	753.5	769.8	773.3	775.0
20°	429.5	432.1	441.5	440.6	432.1
22.5°	257.2	262.3	267.5	262.3	257.2
25°	155.2	165.5	169.7	167.2	159.5
27.5°	92.6	103.7	115.7	106.3	91.7
30°	57.4	63.4	81.4	65.2	60.0
32.5°	31.7	41.1	55.7	42.9	32.6
35°	20.6	24.9	34.3	24.9	22.3
37.5°	14.6	17.1	21.4	18.0	15.4
40°	10.3	12.0	13.7	12.9	10.3
42.5°	6.9	8.6	9.4	8.6	6.9
45°	3.4	5.1	6.0	5.1	4.3
47.5°	1.7	2.6	4.3	2.6	1.7
50°	1.7	1.7	2.6	1.7	1.7
52.5°	1.7	1.7	1.7	1.7	1.7
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.7	1.7	0.9	1.7	0.9
60°	0.9	0.9	0.9	0.9	0.9
62.5°	0.9	0.9	0.9	0.9	0.9
65°	0.9	0.9	0.9	0.9	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.0	0.0	0.9
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)