

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: P1324022

Luminaire Tested: LDSQA3D17R209030D2WDE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324022
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R209030D2WDE010 3LSQPHRL1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

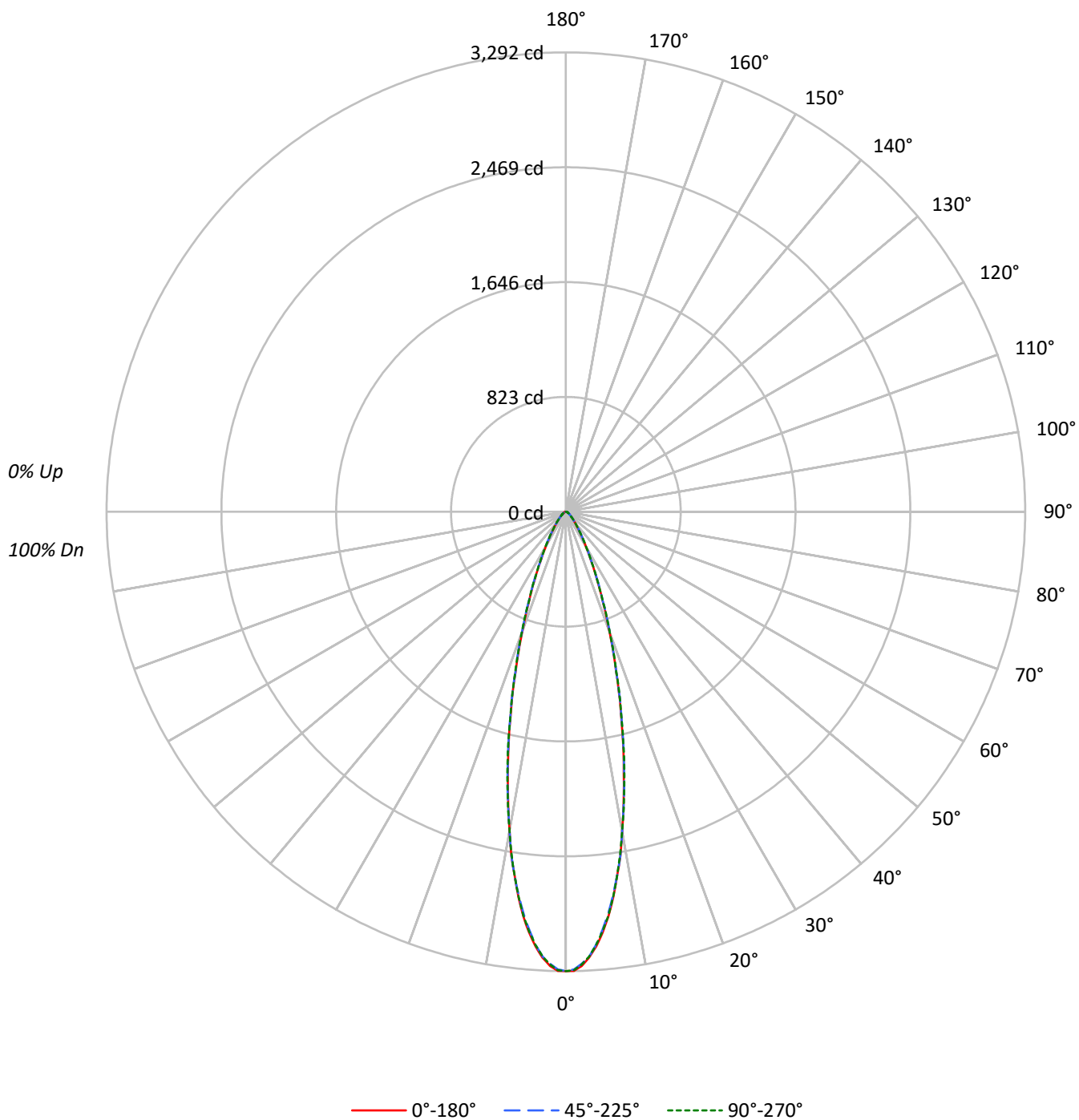
Lumens per Lamp: N/A
Luminaire Lumens: 1157.0 lumens
Efficiency: N/A
Efficacy: 42.4 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	567009	567009	567009
5°	523102	520111	521857
10°	405930	406437	406437
15°	274365	275649	275649
20°	166634	168742	169530
25°	97750	99118	98833
30°	57015	58168	58447
35°	34838	35742	35742
40°	22684	22999	23314
45°	15783	16148	16489
50°	11575	11977	11977
55°	9098	9518	9518
60°	7957	7957	8439
65°	7050	7050	7621
70°	6546	6546	6546
75°	5723	5723	5723
80°	4265	4265	5752
85°	2766	2766	5730

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 16489 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.5	22.9
10°-20°	425.2	36.7
20°-30°	246.2	21.3
30°-40°	110.4	9.5
40°-50°	52.3	4.5
50°-60°	28.7	2.5
60°-70°	17.4	1.5
70°-80°	9.3	0.8
80°-90°	2.0	0.2
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°	936.8	81.0
0°-40°	1047.2	90.5
0°-60°	1128.3	97.5
0°-90°	1157.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1157.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3292	3292	3292	3292	3292	
5°	3026	3016	3008	3014	3019	266
15°	1539	1539	1546	1539	1546	424
25°	514	514	522	517	520	244
35°	166	167	170	172	170	108
45°	65	65	66	66	68	51
55°	30	30	32	32	32	28
65°	17	17	17	17	19	17
75°	9	9	9	9	9	9
85°	1	1	1	1	3	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3292.3	3292.3	3292.3	3292.3	3292.3
1°	3290.9	3282.2	3279.4	3276.5	3285.1
2°	3257.7	3247.7	3241.9	3244.8	3246.2
3°	3198.7	3192.9	3192.9	3188.6	3191.5
4°	3122.3	3110.8	3110.8	3112.2	3112.2
5°	3025.8	3015.7	3008.5	3014.2	3018.6
6°	2917.7	2904.7	2899.0	2900.4	2910.5
7°	2785.1	2767.9	2770.7	2777.9	2777.9
8°	2635.3	2633.9	2636.7	2633.9	2636.7
9°	2497.0	2476.8	2494.1	2479.7	2486.9
10°	2321.2	2319.8	2324.1	2328.4	2324.1
12.5°	1920.6	1927.8	1930.7	1925.0	1937.9
15°	1538.8	1538.8	1546.0	1538.8	1546.0
17.5°	1197.3	1195.9	1201.7	1195.9	1204.5
20°	909.2	919.3	920.7	920.7	925.0
22.5°	685.8	685.8	691.6	693.0	690.2
25°	514.4	514.4	521.6	517.3	520.1
27.5°	380.4	383.3	389.0	391.9	391.9
30°	286.7	288.2	292.5	293.9	293.9
32.5°	216.1	219.0	221.9	223.3	224.8
35°	165.7	167.1	170.0	171.5	170.0
37.5°	126.8	128.2	131.1	132.6	132.6
40°	100.9	100.9	102.3	103.7	103.7
42.5°	79.2	80.7	80.7	82.1	82.1
45°	64.8	64.8	66.3	66.3	67.7
47.5°	51.9	51.9	53.3	54.8	54.8
50°	43.2	43.2	44.7	44.7	44.7
52.5°	36.0	36.0	37.5	37.5	37.5
55°	30.3	30.3	31.7	31.7	31.7
57.5°	25.9	25.9	27.4	27.4	27.4
60°	23.1	23.1	23.1	23.1	24.5
62.5°	20.2	20.2	20.2	20.2	20.2
65°	17.3	17.3	17.3	17.3	18.7
67.5°	14.4	14.4	14.4	14.4	15.8
70°	13.0	13.0	13.0	13.0	13.0
72.5°	10.1	10.1	10.1	11.5	11.5
75°	8.6	8.6	8.6	8.6	8.6
77.5°	7.2	7.2	7.2	7.2	7.2
80°	4.3	4.3	4.3	5.8	5.8
82.5°	2.9	2.9	2.9	2.9	2.9
85°	1.4	1.4	1.4	1.4	2.9
87.5°	0.0	0.0	0.0	1.4	1.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)