

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: P1307355

Luminaire Tested: LDSQA3D17R459024DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307355
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R459024DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

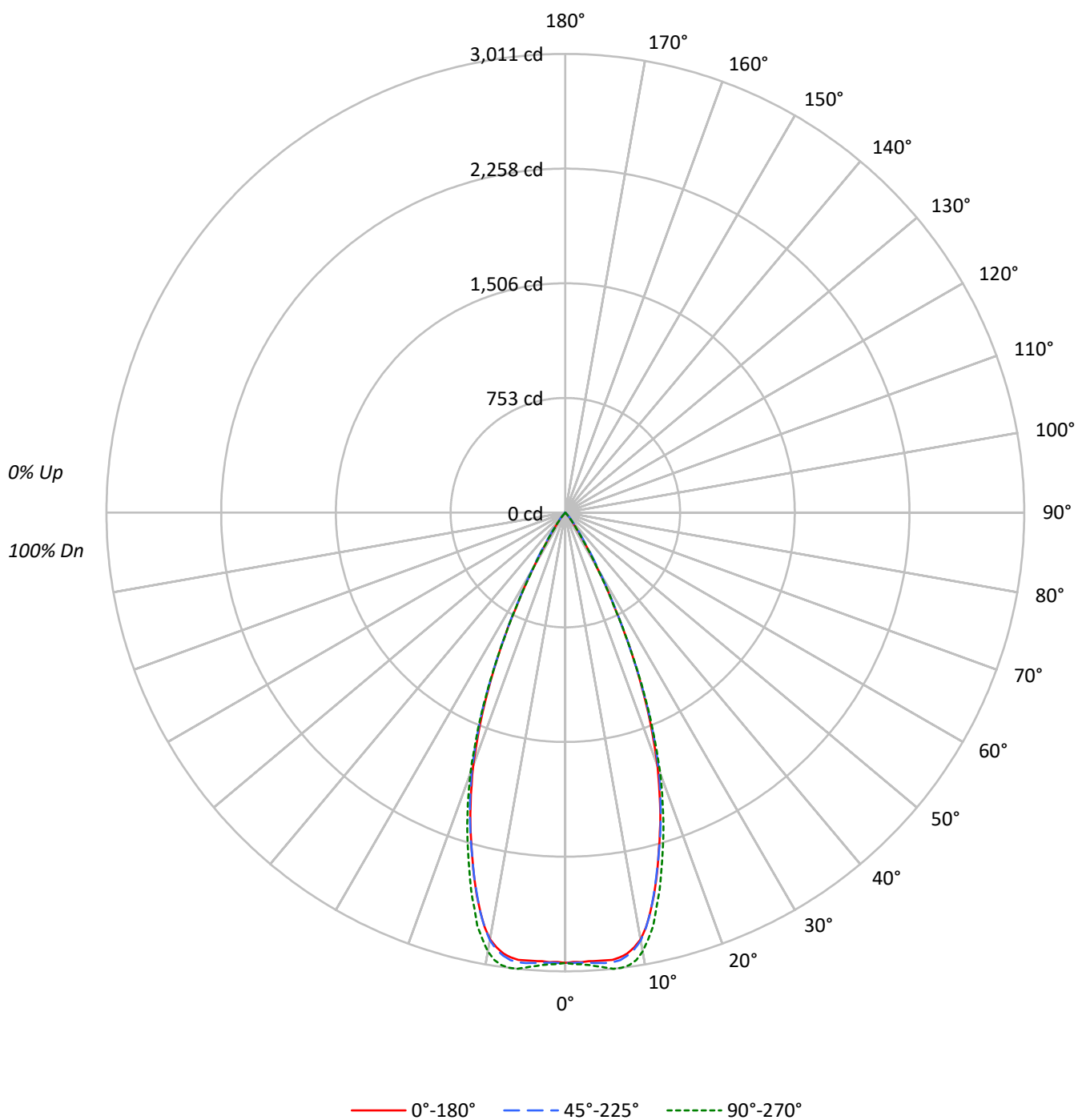
Lumens per Lamp: N/A
Luminaire Lumens: 1528.0 lumens
Efficiency: N/A
Efficacy: 72.1 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79
8	87	79	75	71	86	79	74	71	78	74	71		77	73	70		76
9	84	76	71	68	83	76	71	68	75	71	68		74	70	68		73
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	508987	508987	508987
5°	510153	513092	518192
10°	497375	498371	511487
15°	419607	419820	433585
20°	323903	328485	333910
25°	200953	201162	202454
30°	82887	88097	81535
35°	25797	31516	24830
40°	7914	10971	7397
45°	560	4141	560
50°	0	616	0
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: 45°

Vertical Angle: 45°

Luminance: 4141 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.3	18.4
10°-20°	654.0	42.8
20°-30°	479.7	31.4
30°-40°	103.1	6.7
40°-50°	9.8	0.6
50°-60°	0.1	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°	1415.0	92.6
0°-40°	1518.1	99.4
0°-60°	1528.0	100.0
0°-90°	1528.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1528.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2955	2955	2955	2955	2955	
5°	2951	2959	2968	2988	2997	279
15°	2353	2349	2355	2392	2432	648
25°	1058	1054	1059	1059	1065	474
35°	123	132	150	128	118	97
45°	2	7	17	7	2	6
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2955.4	2955.4	2955.4	2955.4	2955.4
1°	2949.7	2956.6	2956.6	2961.1	2963.4
2°	2952.0	2956.6	2955.4	2963.4	2966.8
3°	2948.6	2956.6	2958.8	2967.9	2973.6
4°	2949.7	2956.6	2963.4	2977.0	2985.0
5°	2950.9	2958.8	2967.9	2988.4	2997.4
6°	2952.0	2957.7	2967.9	2994.0	3011.1
7°	2940.7	2948.6	2960.0	2992.9	3011.1
8°	2922.5	2927.0	2936.1	2979.3	3000.9
9°	2888.4	2887.3	2900.9	2948.6	2973.6
10°	2844.1	2830.5	2849.8	2897.5	2924.8
11°	2772.6	2757.8	2774.8	2825.9	2852.1
12°	2679.4	2679.4	2682.8	2728.3	2773.7
13°	2580.6	2569.2	2576.1	2627.2	2659.0
14°	2471.6	2460.2	2467.0	2505.6	2555.6
15°	2353.4	2348.9	2354.6	2392.0	2431.8
17.5°	2072.9	2062.7	2083.1	2120.6	2141.0
20°	1767.3	1784.4	1792.3	1816.2	1821.9
22.5°	1416.4	1434.5	1445.9	1449.3	1452.7
25°	1057.5	1054.0	1058.6	1058.6	1065.4
27.5°	695.1	695.1	707.6	699.7	691.7
30°	416.8	433.9	443.0	428.2	410.0
32.5°	227.2	244.2	259.0	237.4	221.5
35°	122.7	131.8	149.9	128.3	118.1
37.5°	67.0	75.0	86.3	72.7	67.0
40°	35.2	43.2	48.8	43.2	32.9
42.5°	11.4	21.6	28.4	21.6	10.2
45°	2.3	6.8	17.0	6.8	2.3
47.5°	0.0	1.1	8.0	1.1	0.0
50°	0.0	0.0	2.3	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
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



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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)