

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: P1319420

Luminaire Tested: LDSQA3D17R459835DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319420
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: LDSQA3D17R459835DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

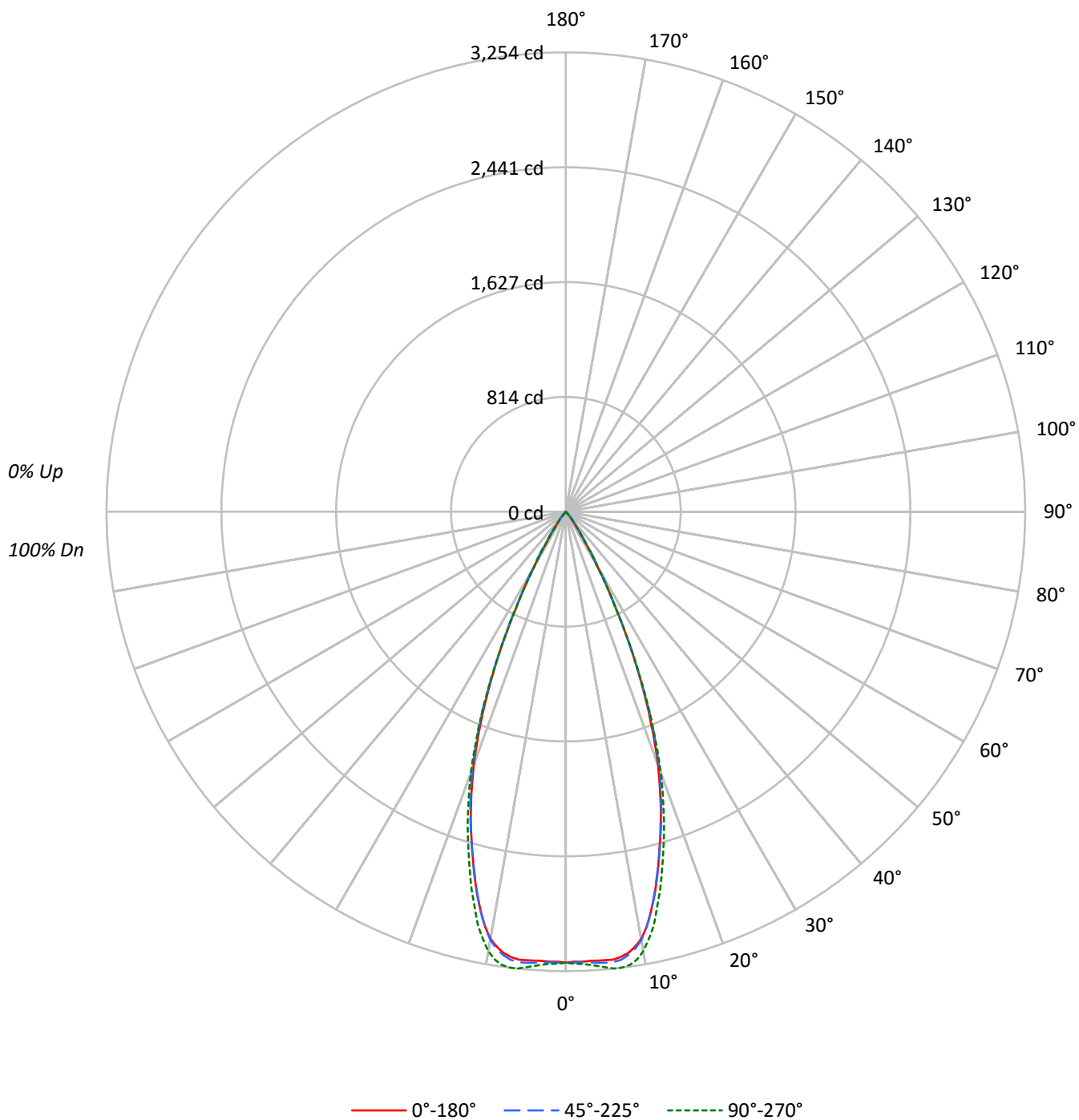
Lumens per Lamp: N/A
Luminaire Lumens: 1651.0 lumens
Efficiency: N/A
Efficacy: 80.9 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	98	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	94	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	90	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	86	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	82	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	79	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	76	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	73	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	70	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	67	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	549959	549959	549959
5°	551212	554393	559908
10°	537422	538489	552654
15°	453394	453608	468496
20°	349983	354931	360778
25°	217124	217352	218759
30°	89569	95177	88097
35°	27857	34060	26827
40°	8543	11871	8004
45°	609	4481	609
50°	0	670	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: 4481 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.9	18.4
10°-20°	706.7	42.8
20°-30°	518.4	31.4
30°-40°	111.4	6.7
40°-50°	10.6	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°	1528.9	92.6
0°-40°	1640.3	99.4
0°-60°	1651.0	100.0
0°-90°	1651.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1651.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3193	3193	3193	3193	3193	
5°	3188	3197	3207	3229	3239	302
15°	2543	2538	2544	2585	2628	700
25°	1143	1139	1144	1144	1151	512
35°	132	142	162	139	128	104
45°	2	7	18	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°	3193.3	3193.3	3193.3	3193.3	3193.3
1°	3187.2	3194.5	3194.5	3199.5	3201.9
2°	3189.6	3194.5	3193.3	3201.9	3205.6
3°	3186.0	3194.5	3197.0	3206.8	3213.0
4°	3187.2	3194.5	3201.9	3216.6	3225.2
5°	3188.4	3197.0	3206.8	3228.9	3238.7
6°	3189.6	3195.8	3206.8	3235.0	3253.5
7°	3177.4	3186.0	3198.2	3233.8	3253.5
8°	3157.7	3162.6	3172.5	3219.1	3242.4
9°	3120.9	3119.7	3134.4	3186.0	3213.0
10°	3073.1	3058.3	3079.2	3130.7	3160.2
11°	2995.7	2979.8	2998.2	3053.4	3081.6
12°	2895.1	2895.1	2898.8	2947.9	2997.0
13°	2788.3	2776.1	2783.4	2838.6	2873.0
14°	2670.5	2658.2	2665.6	2707.3	2761.3
15°	2542.9	2538.0	2544.1	2584.6	2627.6
17.5°	2239.7	2228.7	2250.8	2291.3	2313.4
20°	1909.6	1928.0	1936.6	1962.4	1968.5
22.5°	1530.4	1550.0	1562.3	1566.0	1569.7
25°	1142.6	1138.9	1143.8	1143.8	1151.2
27.5°	751.1	751.1	764.6	756.0	747.4
30°	450.4	468.8	478.6	462.7	443.0
32.5°	245.5	263.9	279.8	256.5	239.3
35°	132.5	142.4	162.0	138.7	127.6
37.5°	72.4	81.0	93.3	78.5	72.4
40°	38.0	46.6	52.8	46.6	35.6
42.5°	12.3	23.3	30.7	23.3	11.0
45°	2.5	7.4	18.4	7.4	2.5
47.5°	0.0	1.2	8.6	1.2	0.0
50°	0.0	0.0	2.5	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)