

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: P1320296

Luminaire Tested: LDSQA3D17R459840DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320296
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: LDSQA3D17R459840DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

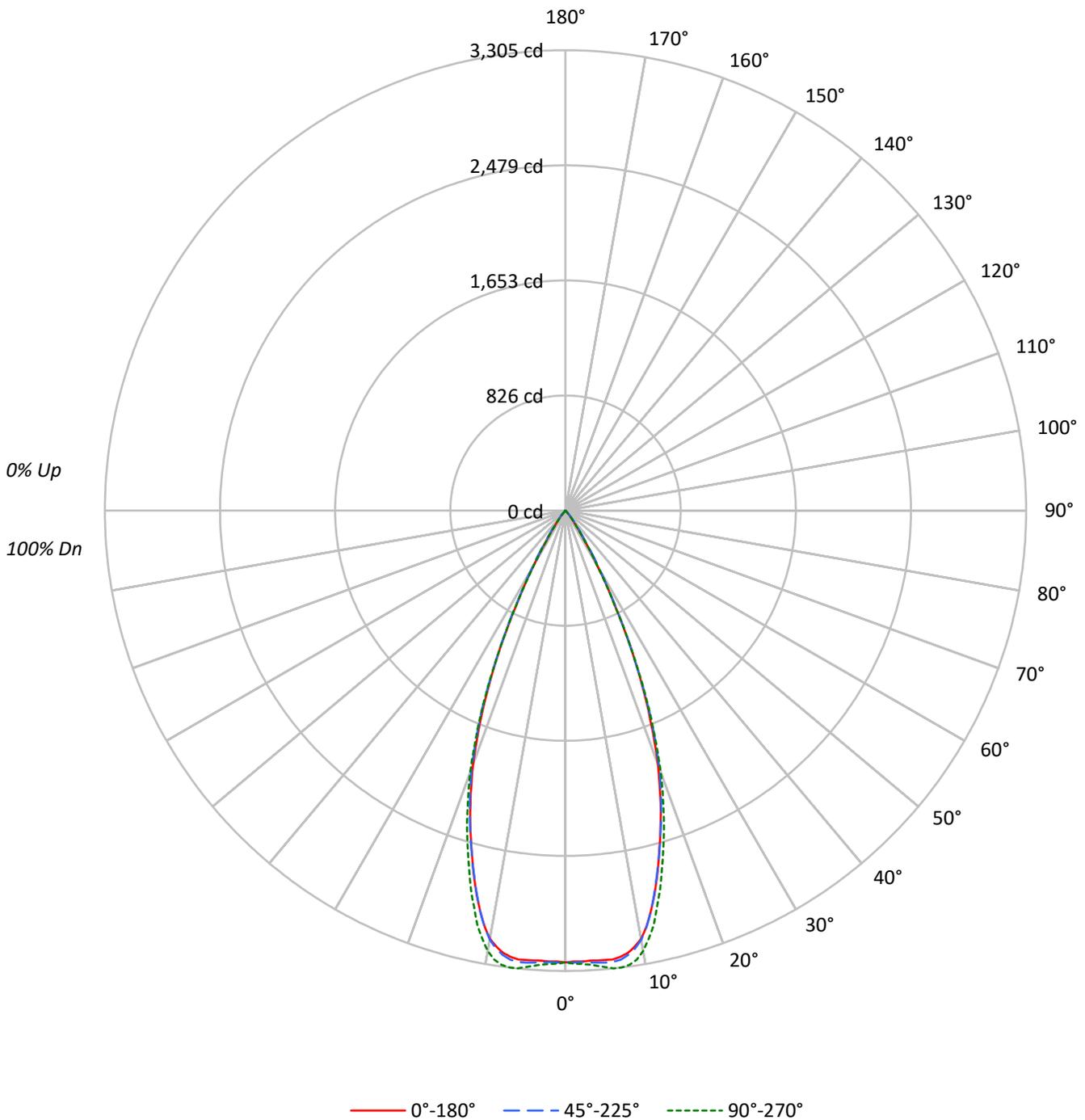
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1677.0 lumens
Efficiency: N/A
Efficacy: 82.2 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 (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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	558621	558621	558621
5°	559891	563124	568725
10°	545869	546970	561363
15°	460526	460758	475860
20°	355499	360521	366459
25°	220545	220773	222198
30°	90981	96688	89490
35°	28299	34585	27248
40°	8678	12050	8139
45°	609	4555	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: 4555 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.7	18.4
10°-20°	717.8	42.8
20°-30°	526.5	31.4
30°-40°	113.2	6.7
40°-50°	10.8	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°	1553.0	92.6
0°-40°	1666.2	99.4
0°-60°	1677.0	100.0
0°-90°	1677.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1677.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3244	3244	3244	3244	3244	
5°	3239	3247	3257	3280	3290	306
15°	2583	2578	2584	2625	2669	711
25°	1161	1157	1162	1162	1169	521
35°	135	145	164	141	130	106
45°	2	8	19	8	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3243.6	3243.6	3243.6	3243.6	3243.6
1°	3237.4	3244.9	3244.9	3249.8	3252.3
2°	3239.9	3244.9	3243.6	3252.3	3256.1
3°	3236.1	3244.9	3247.4	3257.3	3263.6
4°	3237.4	3244.9	3252.3	3267.3	3276.0
5°	3238.6	3247.4	3257.3	3279.8	3289.7
6°	3239.9	3246.1	3257.3	3286.0	3304.7
7°	3227.4	3236.1	3248.6	3284.7	3304.7
8°	3207.5	3212.4	3222.4	3269.8	3293.5
9°	3170.1	3168.8	3183.8	3236.1	3263.6
10°	3121.4	3106.5	3127.7	3180.0	3210.0
11°	3042.9	3026.7	3045.4	3101.5	3130.2
12°	2940.7	2940.7	2944.4	2994.3	3044.2
13°	2832.2	2819.8	2827.3	2883.3	2918.3
14°	2712.6	2700.1	2707.6	2750.0	2804.8
15°	2582.9	2577.9	2584.2	2625.3	2668.9
17.5°	2275.0	2263.8	2286.2	2327.4	2349.8
20°	1939.7	1958.4	1967.1	1993.3	1999.5
22.5°	1554.5	1574.4	1586.9	1590.6	1594.4
25°	1160.6	1156.8	1161.8	1161.8	1169.3
27.5°	762.9	762.9	776.6	767.9	759.2
30°	457.5	476.2	486.2	470.0	450.0
32.5°	249.3	268.0	284.2	260.5	243.1
35°	134.6	144.6	164.5	140.9	129.6
37.5°	73.5	82.3	94.7	79.8	73.5
40°	38.6	47.4	53.6	47.4	36.2
42.5°	12.5	23.7	31.2	23.7	11.2
45°	2.5	7.5	18.7	7.5	2.5
47.5°	0.0	1.2	8.7	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)