

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: P1320297

Luminaire Tested: LDSQA3D17R459840DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320297
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R459840DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

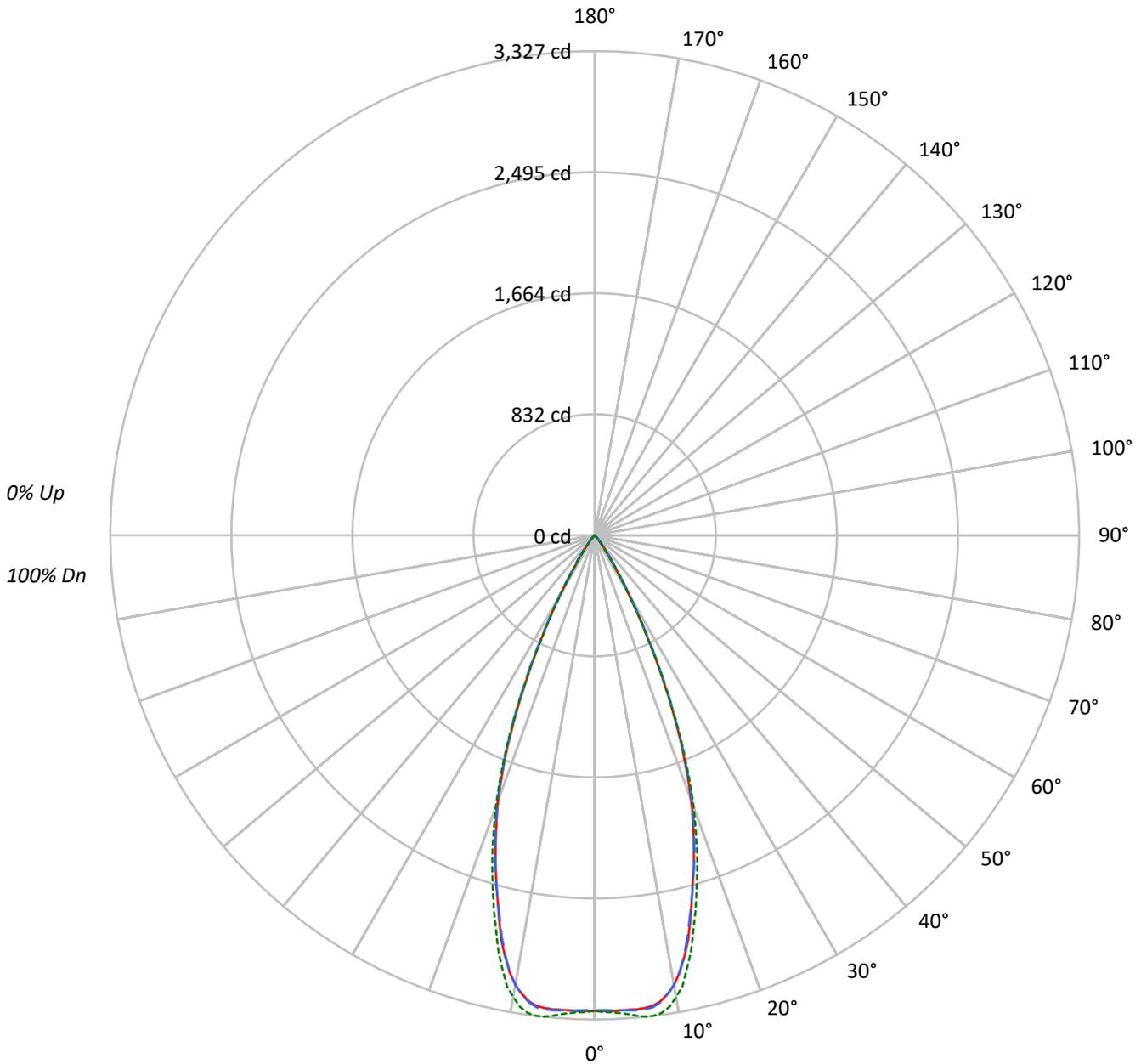
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1690.9 lumens
Efficiency: N/A
Efficacy: 82.9 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 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



— 0°-180° - - 45°-225° - - - 90°-270°



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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
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	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	562686	562686	562686
5°	565492	566564	573030
10°	548702	548265	563532
15°	459848	459634	476519
20°	355499	359147	364168
25°	217923	222426	218398
30°	93467	97663	90484
35°	29350	35384	28572
40°	10094	12882	9802
45°	1827	5456	1510
50°	991	2009	991
55°	1111	1111	1111
60°	861	861	861
65°	1019	1019	1019
70°	604	604	604
75°	799	799	799
80°	1190	1190	1190
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 5456 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.5	18.4
10°-20°	717.5	42.4
20°-30°	525.4	31.1
30°-40°	116.1	6.9
40°-50°	14.2	0.8
50°-60°	3.3	0.2
60°-70°	2.4	0.1
70°-80°	1.3	0.1
80°-90°	0.2	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°	1553.4	91.9
0°-40°	1669.5	98.7
0°-60°	1687.1	99.8
0°-90°	1690.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1690.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3267	3267	3267	3267	3267	
5°	3271	3268	3277	3301	3315	309
15°	2579	2565	2578	2640	2673	712
25°	1147	1146	1170	1162	1149	519
35°	140	147	168	147	136	110
45°	8	12	22	12	6	10
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
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°	3267.2	3267.2	3267.2	3267.2	3267.2
1°	3269.7	3264.7	3263.5	3272.2	3278.5
2°	3272.2	3266.0	3267.2	3276.0	3279.7
3°	3269.7	3263.5	3269.7	3282.2	3287.2
4°	3268.5	3266.0	3272.2	3289.7	3298.4
5°	3271.0	3268.5	3277.2	3300.9	3314.6
6°	3267.2	3263.5	3276.0	3305.9	3325.8
7°	3258.5	3254.8	3268.5	3304.6	3327.1
8°	3234.8	3227.4	3241.1	3285.9	3313.4
9°	3192.4	3182.5	3196.2	3248.5	3281.0
10°	3137.6	3126.4	3135.1	3186.2	3222.4
11°	3059.1	3044.1	3054.1	3108.9	3156.3
12°	2959.3	2938.2	2950.6	3012.9	3046.6
13°	2850.9	2830.9	2833.4	2889.5	2936.9
14°	2716.3	2690.1	2701.3	2759.9	2797.3
15°	2579.1	2565.4	2577.9	2640.2	2672.6
17.5°	2265.0	2263.8	2275.0	2321.1	2338.6
20°	1939.7	1943.4	1959.6	1984.5	1987.0
22.5°	1554.5	1555.7	1573.2	1590.6	1586.9
25°	1146.8	1145.6	1170.5	1161.8	1149.3
27.5°	760.4	765.4	787.8	771.6	759.2
30°	470.0	479.9	491.1	471.2	455.0
32.5°	254.3	270.5	286.7	269.3	253.1
35°	139.6	147.1	168.3	147.1	135.9
37.5°	81.0	84.8	98.5	84.8	77.3
40°	44.9	51.1	57.3	51.1	43.6
42.5°	18.7	28.7	34.9	28.7	18.7
45°	7.5	12.5	22.4	12.5	6.2
47.5°	3.7	5.0	13.7	5.0	3.7
50°	3.7	3.7	7.5	3.7	3.7
52.5°	3.7	3.7	3.7	3.7	3.7
55°	3.7	3.7	3.7	3.7	3.7
57.5°	3.7	3.7	3.7	3.7	3.7
60°	2.5	2.5	2.5	3.7	2.5
62.5°	2.5	2.5	2.5	2.5	2.5
65°	2.5	2.5	2.5	2.5	2.5
67.5°	2.5	2.5	2.5	2.5	2.5
70°	1.2	1.2	1.2	2.5	1.2
72.5°	1.2	1.2	1.2	1.2	1.2
75°	1.2	1.2	1.2	1.2	1.2
77.5°	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2
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)