

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: P1316782

Luminaire Tested: LDSQA3D17R459740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

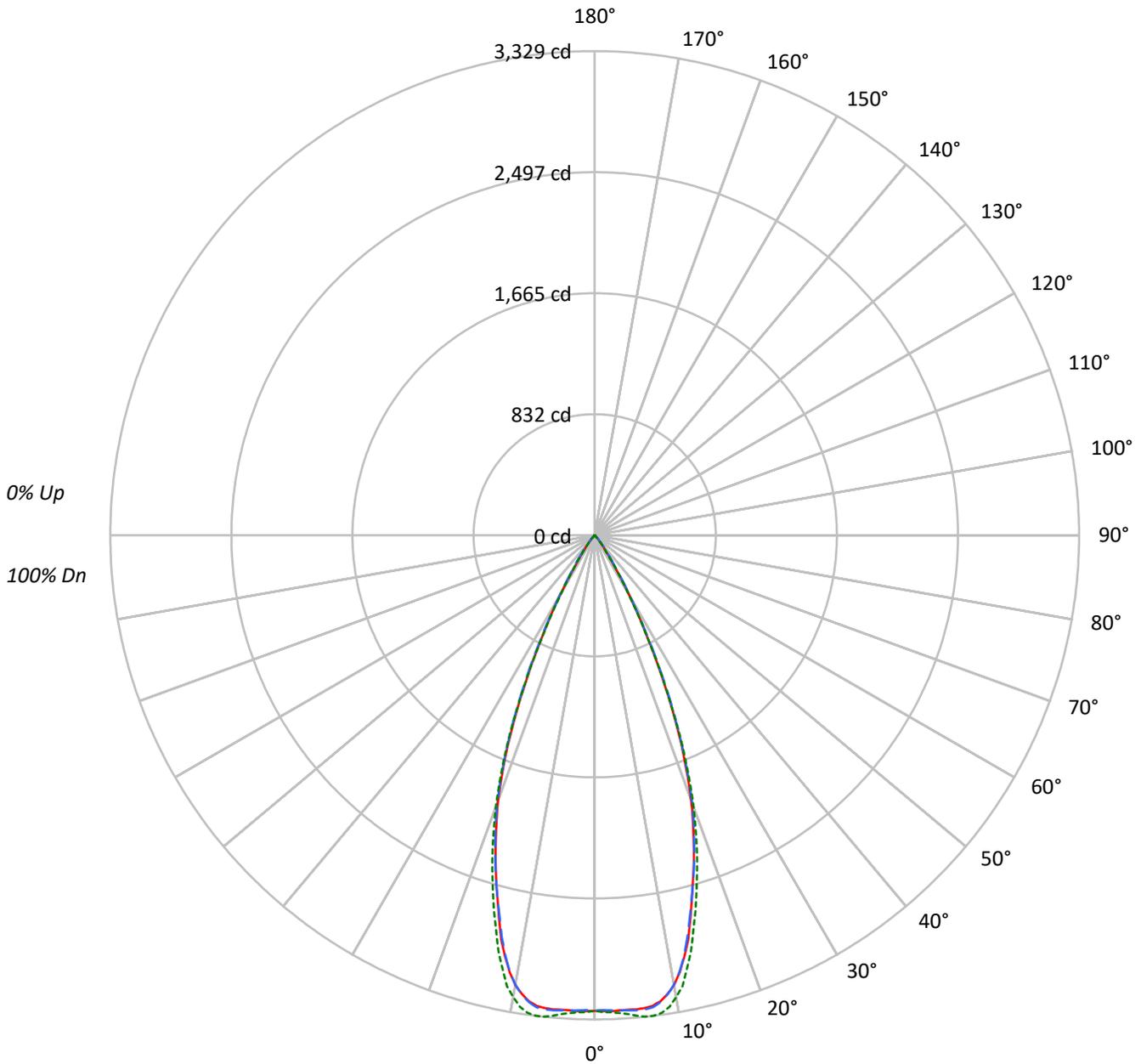
Test Method: LM-79-2019  
Report Number: P1316782  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R459740DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1691.9 lumens  
Efficiency: N/A  
Efficacy: 79.8 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): 21.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	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	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	563030	563030	563030
5°	565821	566910	573375
10°	549034	548597	563864
15°	460134	459902	476805
20°	355701	359367	364388
25°	218056	222559	218531
30°	93507	97723	90543
35°	29371	35405	28593
40°	10094	12905	9825
45°	1827	5480	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: 5480 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	310.7	18.4
10°-20°	718.0	42.4
20°-30°	525.7	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°	1554.4	91.9
0°-40°	1670.5	98.7
0°-60°	1688.0	99.8
0°-90°	1691.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1691.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3269	3269	3269	3269	3269	
5°	3273	3270	3279	3303	3317	309
15°	2581	2567	2579	2642	2674	712
25°	1148	1146	1171	1162	1150	520
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°	3269.2	3269.2	3269.2	3269.2	3269.2
1°	3271.7	3266.7	3265.4	3274.2	3280.4
2°	3274.2	3267.9	3269.2	3277.9	3281.6
3°	3271.7	3265.4	3271.7	3284.1	3289.1
4°	3270.4	3267.9	3274.2	3291.6	3300.4
5°	3272.9	3270.4	3279.2	3302.9	3316.6
6°	3269.2	3265.4	3277.9	3307.8	3327.8
7°	3260.4	3256.7	3270.4	3306.6	3329.0
8°	3236.7	3229.3	3243.0	3287.9	3315.3
9°	3194.3	3184.4	3198.1	3250.5	3282.9
10°	3139.5	3128.2	3137.0	3188.1	3224.3
11°	3060.9	3045.9	3055.9	3110.8	3158.2
12°	2961.1	2939.9	2952.4	3014.7	3048.4
13°	2852.6	2832.6	2835.1	2891.2	2938.6
14°	2717.9	2691.7	2702.9	2761.5	2798.9
15°	2580.7	2566.9	2579.4	2641.8	2674.2
17.5°	2266.3	2265.1	2276.3	2322.5	2339.9
20°	1940.8	1944.5	1960.8	1985.7	1988.2
22.5°	1555.4	1556.6	1574.1	1591.6	1587.8
25°	1147.5	1146.3	1171.2	1162.5	1150.0
27.5°	760.9	765.8	788.3	772.1	759.6
30°	470.2	480.2	491.4	471.5	455.3
32.5°	254.4	270.7	286.9	269.4	253.2
35°	139.7	147.2	168.4	147.2	136.0
37.5°	81.1	84.8	98.5	84.8	77.3
40°	44.9	51.1	57.4	51.1	43.7
42.5°	18.7	28.7	34.9	28.7	18.7
45°	7.5	12.5	22.5	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)