

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: P1316738

Luminaire Tested: LDSQA3D17R309740DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1316738  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R309740DE010 3LSQCDR1MMS  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

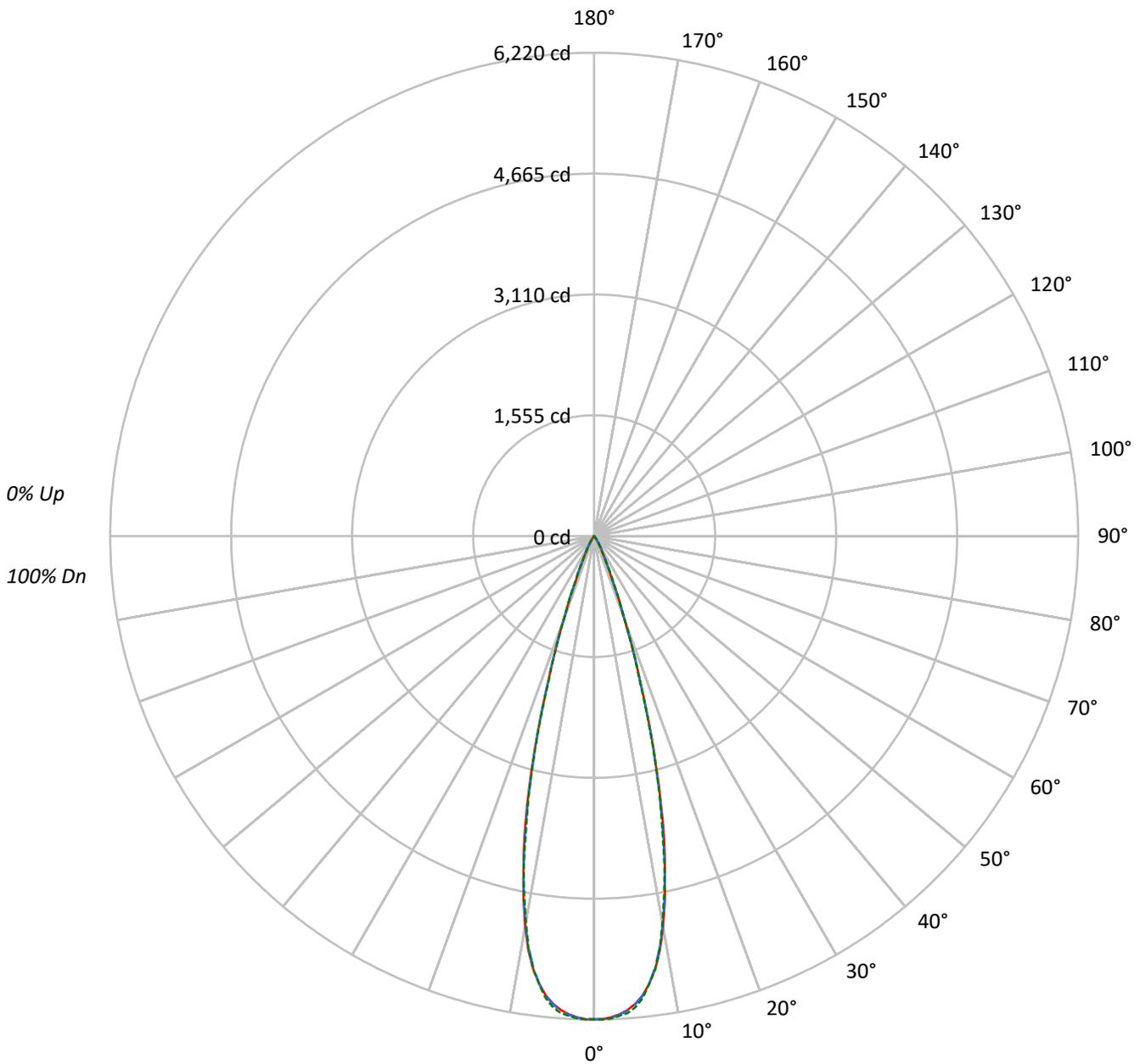
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1604.0 lumens  
Efficiency: N/A  
Efficacy: 75.7 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
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	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	99	99	99	97
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	95	94	94	94
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	92	92	92	91
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	89	89	89	88
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	87	87	87	86
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	84	84	84	83
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	82	82	82	81
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	80	80	80	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	78	78	78	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	76	76	76	75

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

	0°	45°	90°
0°	1070588	1070588	1070588
5°	1044475	1045771	1051598
10°	892060	887915	882687
15°	550495	544059	546055
20°	208054	209209	208971
25°	64001	70177	66851
30°	25793	32753	26787
35°	7611	13897	7863
40°	3080	5598	3080
45°	609	1827	609
50°	0	322	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: 1827 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	548.3	34.2
10°-20°	811.8	50.6
20°-30°	201.3	12.6
30°-40°	37.8	2.4
40°-50°	4.8	0.3
50°-60°	0.0	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°	1561.4	97.3
0°-40°	1599.2	99.7
0°-60°	1604.0	100.0
0°-90°	1604.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1604.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6216	6216	6216	6216	6216	
5°	6042	6039	6049	6059	6083	549
15°	3088	3058	3051	3075	3063	816
25°	337	359	369	368	352	194
35°	36	47	66	49	37	30
45°	2	4	8	5	2	3
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°	6216.3	6216.3	6216.3	6216.3	6216.3
1°	6218.7	6213.8	6213.8	6206.3	6220.0
2°	6196.3	6191.3	6200.0	6193.8	6211.3
3°	6162.6	6156.4	6168.8	6172.6	6181.3
4°	6112.7	6107.7	6121.4	6128.9	6152.6
5°	6041.6	6039.1	6049.1	6059.1	6082.8
6°	5944.3	5940.6	5946.8	5959.3	5974.2
7°	5803.3	5795.8	5800.8	5803.3	5807.1
8°	5624.9	5613.7	5607.5	5621.2	5628.7
9°	5395.4	5382.9	5369.2	5364.2	5381.7
10°	5101.0	5082.3	5077.3	5064.8	5047.4
11°	4759.2	4744.2	4740.5	4718.0	4708.0
12°	4367.5	4360.0	4368.7	4355.0	4350.0
13°	3992.0	3944.6	3938.3	3912.1	3898.4
14°	3547.9	3504.2	3503.0	3489.2	3507.9
15°	3087.5	3057.6	3051.4	3075.1	3062.6
17.5°	1968.5	1988.5	1983.5	1971.0	1949.8
20°	1135.2	1121.5	1141.5	1146.4	1140.2
22.5°	605.0	610.0	613.8	628.7	638.7
25°	336.8	359.3	369.3	368.0	351.8
27.5°	209.6	223.3	242.0	229.5	215.8
30°	129.7	141.0	164.7	142.2	134.7
32.5°	69.9	88.6	106.0	88.6	72.4
35°	36.2	47.4	66.1	48.7	37.4
37.5°	23.7	27.4	42.4	27.4	23.7
40°	13.7	17.5	24.9	17.5	13.7
42.5°	6.2	10.0	13.7	10.0	6.2
45°	2.5	3.7	7.5	5.0	2.5
47.5°	0.0	1.2	3.7	1.2	0.0
50°	0.0	0.0	1.2	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)