

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: P1312668

Luminaire Tested: LDSQA3D17R159050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312668  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R159050DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

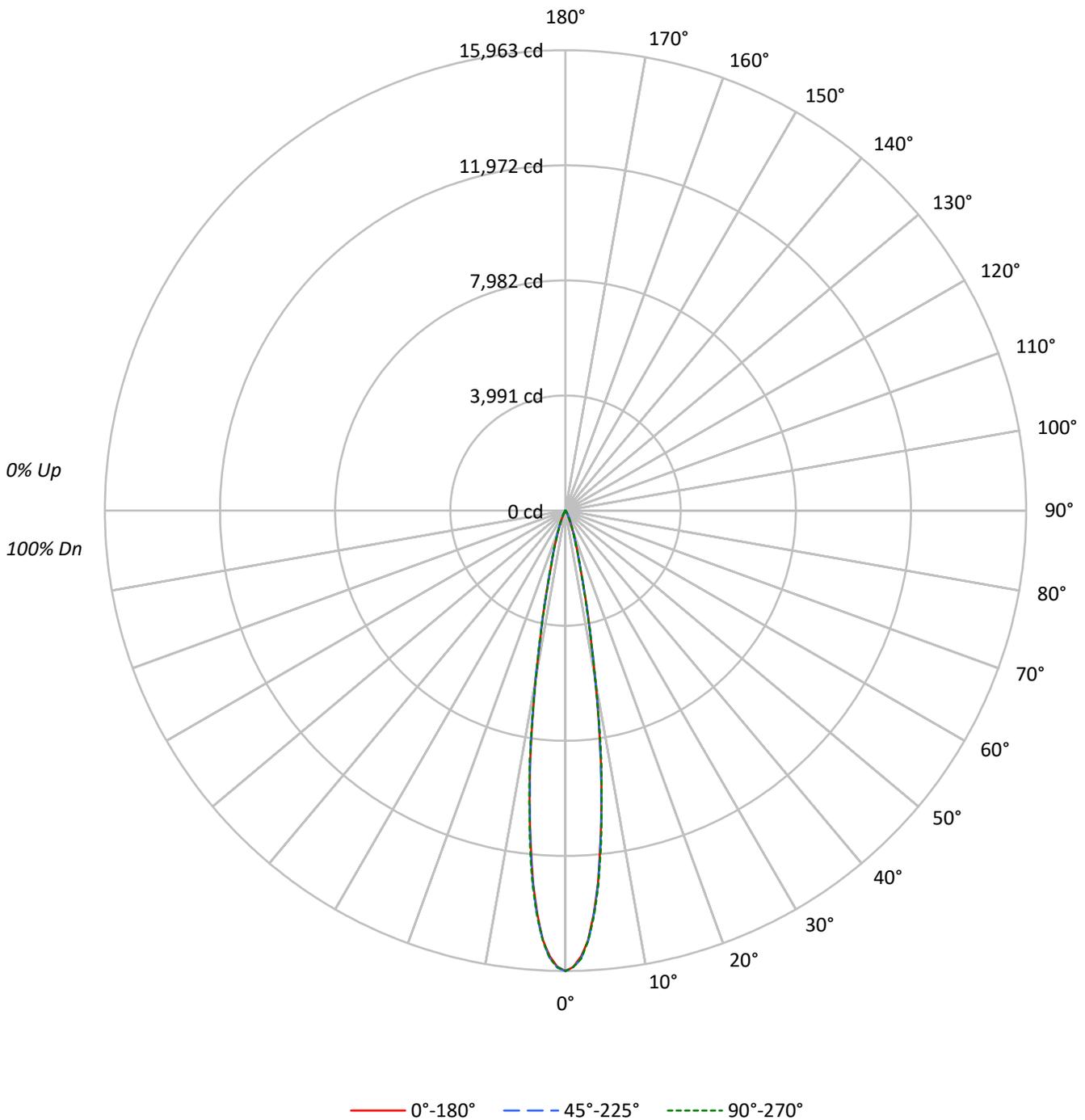
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1792.0 lumens  
Efficiency: N/A  
Efficacy: 84.5 lumens/watt  
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29  
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





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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	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	97	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	95	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	95	93	91	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	93	91	89	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	92	89	88	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	90	88	86	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	89	86	85	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83

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

	0°	45°	90°
0°	2749138	2749138	2749138
5°	2235449	2243228	2251008
10°	1041075	1042054	1036406
15°	322113	333649	327391
20°	128421	135642	126882
25°	53740	63374	51060
30°	21816	29094	20145
35°	7106	13309	6518
40°	2540	5373	2540
45°	1023	1705	1023
50°	750	1125	750
55°	841	841	841
60°	964	964	964
65°	571	571	571
70°	705	705	705
75°	932	932	932
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1705 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	999.2	55.8
10°-20°	597.4	33.3
20°-30°	152.0	8.5
30°-40°	33.0	1.8
40°-50°	5.3	0.3
50°-60°	2.5	0.1
60°-70°	1.6	0.1
70°-80°	0.9	0.1
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°	1748.6	97.6
0°-40°	1781.6	99.4
0°-60°	1789.5	99.9
0°-90°	1792.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1792.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	15963	15963	15963	15963	15963	
5°	12931	12949	12976	12916	13021	997
15°	1807	1857	1871	1845	1836	595
25°	283	302	334	296	269	144
35°	34	44	63	42	31	27
45°	4	6	7	6	4	4
55°	3	3	3	3	3	3
65°	1	1	1	1	1	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°	15962.7	15962.7	15962.7	15962.7	15962.7
1°	15823.4	15850.1	15854.3	15850.1	15827.6
2°	15467.4	15546.2	15529.3	15495.6	15543.4
3°	14917.3	14956.7	14951.0	14953.9	14942.6
4°	14022.4	14091.3	14052.0	14081.5	14084.3
5°	12930.6	12948.8	12975.6	12916.5	13020.6
6°	11586.8	11703.6	11600.9	11702.2	11743.0
7°	10220.6	10288.2	10157.3	10227.7	10269.9
8°	8823.4	8705.3	8777.0	8778.4	8917.7
9°	7315.1	7339.0	7399.5	7330.6	7391.1
10°	5953.1	6008.0	5958.7	5934.8	5926.4
11°	4700.9	4762.8	4758.6	4765.6	4719.2
12°	3782.1	3749.7	3770.8	3701.9	3732.8
13°	2943.5	2944.9	2928.0	2899.9	2874.6
14°	2306.1	2292.0	2331.4	2296.3	2263.9
15°	1806.6	1857.3	1871.3	1844.6	1836.2
17.5°	1114.4	1115.8	1135.5	1110.1	1107.3
20°	700.7	717.6	740.1	713.4	692.3
22.5°	443.2	458.7	493.9	460.1	430.5
25°	282.8	302.5	333.5	295.5	268.7
27.5°	177.3	195.6	225.1	189.9	170.2
30°	109.7	122.4	146.3	119.6	101.3
32.5°	63.3	76.0	95.7	71.8	60.5
35°	33.8	43.6	63.3	42.2	31.0
37.5°	19.7	25.3	40.8	22.5	18.3
40°	11.3	15.5	23.9	14.1	11.3
42.5°	7.0	9.8	11.3	8.4	5.6
45°	4.2	5.6	7.0	5.6	4.2
47.5°	2.8	4.2	5.6	2.8	2.8
50°	2.8	2.8	4.2	2.8	2.8
52.5°	2.8	2.8	2.8	2.8	2.8
55°	2.8	2.8	2.8	2.8	2.8
57.5°	2.8	2.8	2.8	2.8	2.8
60°	2.8	2.8	2.8	2.8	2.8
62.5°	1.4	1.4	1.4	1.4	1.4
65°	1.4	1.4	1.4	1.4	1.4
67.5°	1.4	1.4	1.4	1.4	1.4
70°	1.4	1.4	1.4	1.4	1.4
72.5°	1.4	1.4	1.4	1.4	1.4
75°	1.4	1.4	1.4	1.4	1.4
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)