

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: P1310318

Luminaire Tested: LDSQA3D13R159035DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310318  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R159035DE010 3LSQPHR1MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , 3LSQPHR1MMS TRIM  
Light Source: -  
Ballast/Driver: -

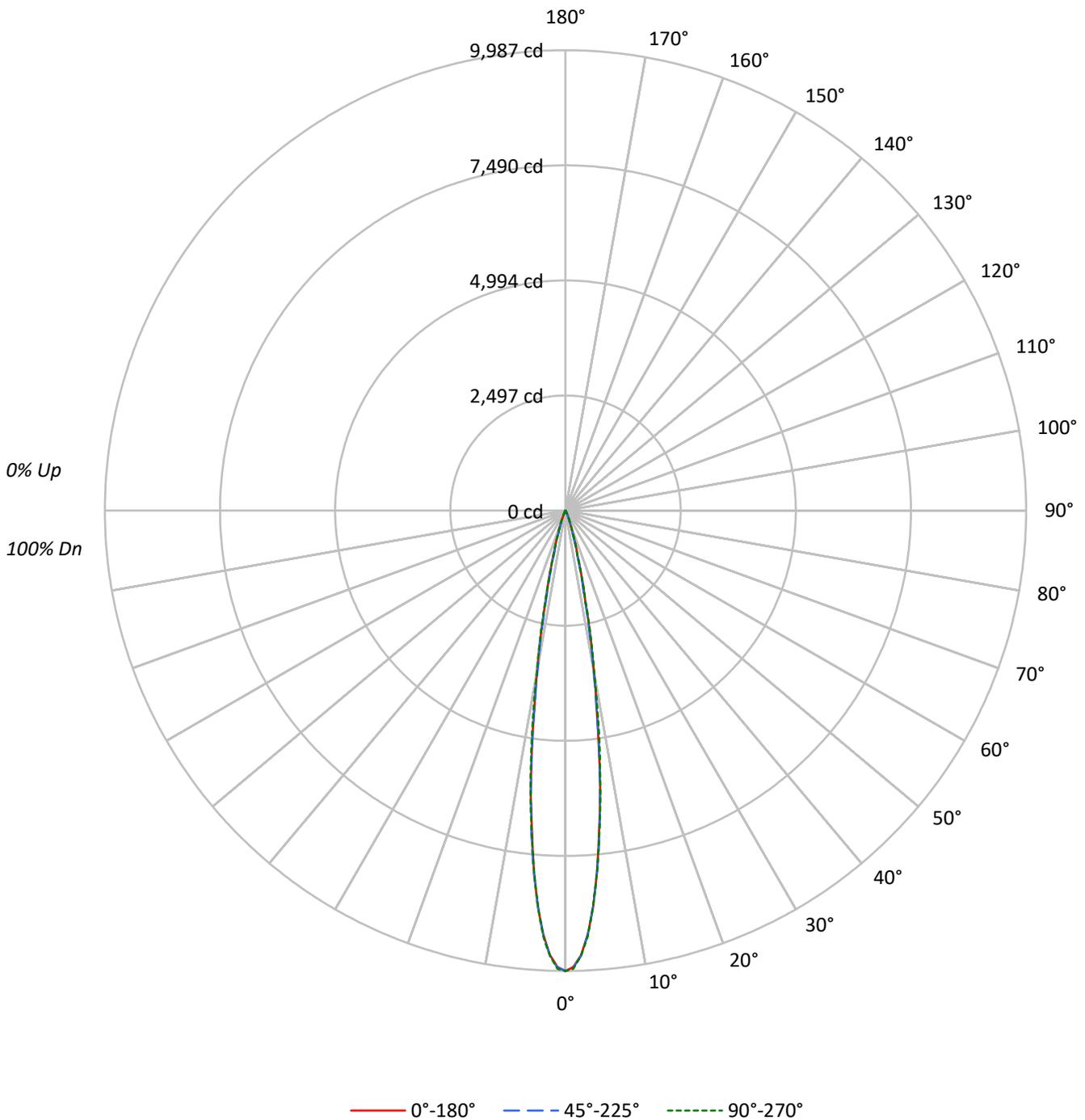
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1000.0 lumens  
Efficiency: N/A  
Efficacy: 68.5 lumens/watt  
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
Input Voltage (V): NR  
Input Current (Ain): 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	106	104	104	103	101	100	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86	86

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

	0°	45°	90°
0°	1719988	1719988	1719988
5°	1356732	1360362	1355521
10°	620700	604436	633816
15°	184556	164765	180812
20°	54799	53150	57549
25°	15582	20143	18053
30°	5568	5966	5369
35°	2102	1892	1892
40°	899	450	674
45°	487	244	487
50°	268	0	268
55°	300	0	300
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: 0°

Vertical Angle: 47.5°

Luminance: 510 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	603.4	60.3
10°-20°	335.0	33.5
20°-30°	53.3	5.3
30°-40°	7.0	0.7
40°-50°	1.0	0.1
50°-60°	0.2	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°	991.7	99.2
0°-40°	998.7	99.9
0°-60°	1000.0	100.0
0°-90°	1000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1000.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	9987	9987	9987	9987	9987	
5°	7848	7914	7869	7836	7841	602
15°	1035	1022	924	982	1014	341
25°	82	92	106	106	95	50
35°	10	10	9	10	9	7
45°	2	1	1	1	2	2
55°	1	0	0	0	1	1
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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9987.0	9987.0	9987.0	9987.0	9987.0	9987.0	9987.0	9987.0	9987.0	9987.0	9987.0
1°	9901.0	9912.0	9926.0	9913.0	9901.0	9912.0	9897.0	9899.0	9887.0	9913.0	9942.0
2°	9648.9	9662.9	9654.9	9636.9	9664.9	9666.9	9635.9	9620.9	9618.9	9644.9	9654.9
3°	9202.9	9234.9	9235.9	9229.9	9220.9	9202.9	9170.9	9191.9	9162.9	9144.9	9246.9
4°	8609.8	8637.8	8670.8	8648.8	8582.8	8588.8	8609.8	8538.8	8542.8	8583.8	8586.8
5°	7847.8	7932.8	7936.8	7905.8	7853.8	7868.8	7853.8	7833.8	7840.8	7866.8	7840.8
6°	6950.7	7046.7	6975.7	7043.7	7028.7	7047.7	7052.7	7031.7	7046.7	7030.7	7025.7
7°	6175.6	6102.6	6112.6	6084.6	6114.6	6134.6	6146.6	6110.6	6139.6	6185.6	6198.6
8°	5214.5	5193.5	5172.5	5222.5	5208.5	5232.5	5247.5	5287.5	5285.5	5299.5	5345.5
9°	4299.4	4330.4	4349.4	4305.4	4343.4	4269.4	4295.4	4402.4	4374.4	4402.4	4484.4
10°	3549.3	3574.3	3546.3	3545.3	3505.3	3456.3	3453.3	3493.3	3577.3	3643.4	3624.3
12.5°	1958.2	1980.2	1983.2	1981.2	1909.2	1828.2	1843.2	1875.2	1927.2	1949.2	1985.2
15°	1035.1	1034.1	1045.1	1014.1	976.1	924.1	928.1	972.1	1011.1	1021.1	1014.1
17.5°	531.1	533.1	541.1	533.1	493.0	498.0	509.0	514.0	537.1	546.1	541.1
20°	299.0	300.0	299.0	302.0	286.0	290.0	304.0	305.0	310.0	315.0	314.0
22.5°	171.0	172.0	178.0	176.0	172.0	177.0	180.0	185.0	187.0	185.0	191.0
25°	82.0	83.0	83.0	95.0	101.0	106.0	108.0	106.0	104.0	96.0	95.0
27.5°	47.0	47.0	49.0	50.0	52.0	61.0	60.0	50.0	42.0	42.0	43.0
30°	28.0	27.0	27.0	28.0	29.0	30.0	28.0	27.0	27.0	28.0	27.0
32.5°	17.0	17.0	17.0	16.0	16.0	15.0	15.0	17.0	17.0	17.0	17.0
35°	10.0	10.0	10.0	10.0	9.0	9.0	9.0	10.0	10.0	9.0	9.0
37.5°	6.0	6.0	6.0	5.0	5.0	4.0	5.0	5.0	5.0	5.0	5.0
40°	4.0	4.0	3.0	3.0	2.0	2.0	2.0	3.0	3.0	3.0	3.0
42.5°	3.0	3.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0
45°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0
47.5°	2.0	2.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
50°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
52.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)