

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: P1319624

Luminaire Tested: LDSQA3D02R159840DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319624
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: LDSQA3D02R159840DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 98CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

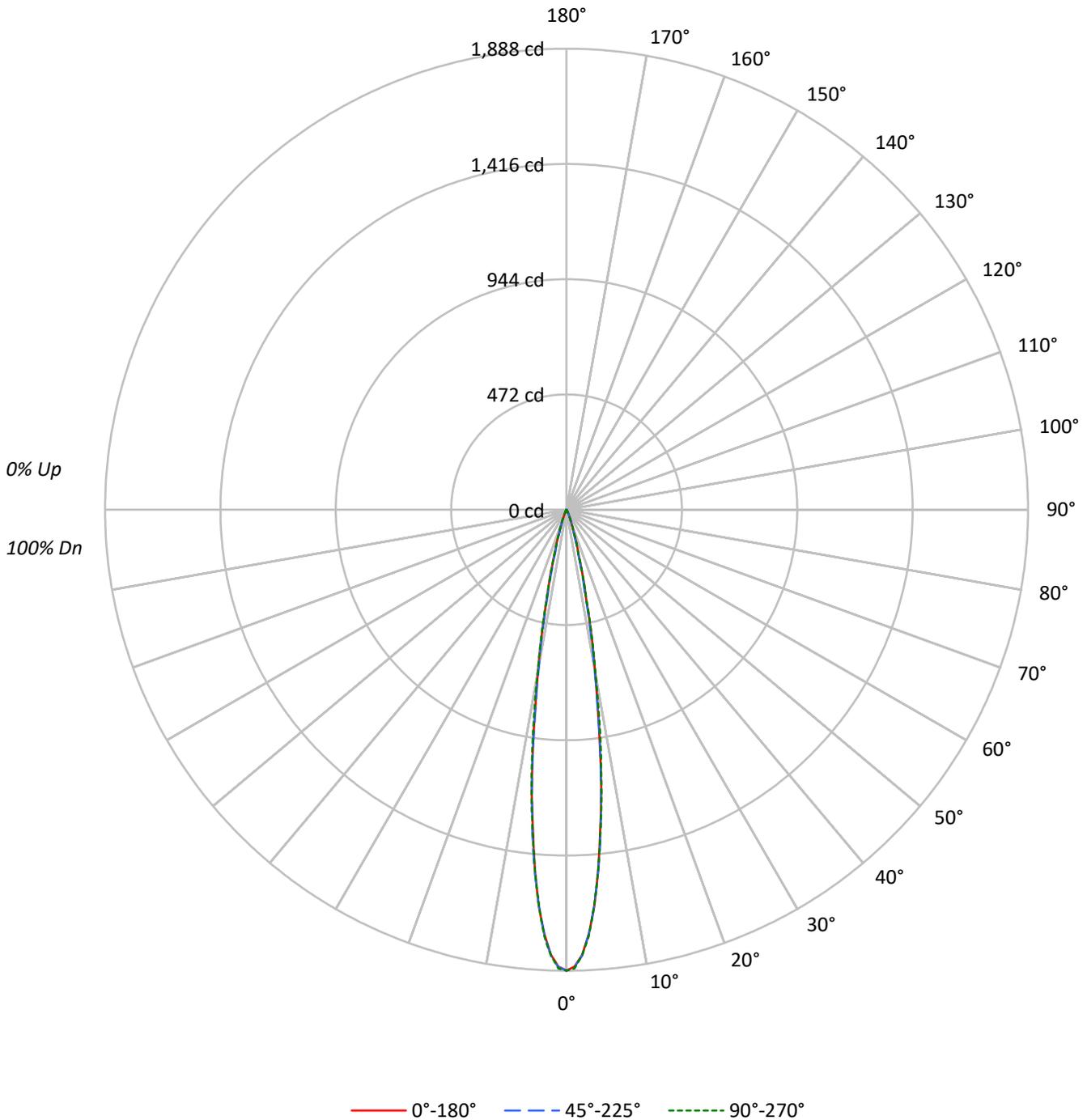
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 189.0 lumens
Efficiency: N/A
Efficacy: 52.5 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): 3.6
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





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	103	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	90
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°	325070	325070	325070
5°	256416	257108	256192
10°	117309	114231	119792
15°	34875	31149	34180
20°	10355	10043	10887
25°	2945	3801	3420
30°	1054	1134	1014
35°	399	357	357
40°	180	90	135
45°	97	49	97
50°	54	0	54
55°	60	0	60
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: 102 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.0	60.3
10°-20°	63.3	33.5
20°-30°	10.1	5.3
30°-40°	1.3	0.7
40°-50°	0.2	0.1
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°	187.4	99.2
0°-40°	188.8	99.9
0°-60°	189.0	100.0
0°-90°	189.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	189.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1888	1888	1888	1888	1888	
5°	1483	1496	1487	1481	1482	114
15°	196	193	175	186	192	65
25°	16	17	20	20	18	9
35°	2	2	2	2	2	1
45°	0	0	0	0	0	0
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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1887.5	1887.5	1887.5	1887.5	1887.5	1887.5	1887.5	1887.5	1887.5	1887.5	1887.5
1°	1871.3	1873.4	1876.0	1873.5	1871.3	1873.4	1870.5	1870.9	1868.6	1873.5	1879.0
2°	1823.6	1826.3	1824.8	1821.4	1826.7	1827.0	1821.2	1818.4	1818.0	1822.9	1824.8
3°	1739.3	1745.4	1745.6	1744.4	1742.7	1739.3	1733.3	1737.3	1731.8	1728.4	1747.7
4°	1627.3	1632.5	1638.8	1634.6	1622.2	1623.3	1627.3	1613.8	1614.6	1622.3	1622.9
5°	1483.2	1499.3	1500.0	1494.2	1484.4	1487.2	1484.4	1480.6	1481.9	1486.8	1481.9
6°	1313.7	1331.8	1318.4	1331.3	1328.4	1332.0	1333.0	1329.0	1331.8	1328.8	1327.9
7°	1167.2	1153.4	1155.3	1150.0	1155.7	1159.4	1161.7	1154.9	1160.4	1169.1	1171.5
8°	985.5	981.6	977.6	987.1	984.4	988.9	991.8	999.3	999.0	1001.6	1010.3
9°	812.6	818.4	822.0	813.7	820.9	806.9	811.8	832.1	826.8	832.1	847.6
10°	670.8	675.6	670.3	670.1	662.5	653.2	652.7	660.2	676.1	688.6	685.0
12.5°	370.1	374.3	374.8	374.4	360.8	345.5	348.4	354.4	364.2	368.4	375.2
15°	195.6	195.4	197.5	191.7	184.5	174.7	175.4	183.7	191.1	193.0	191.7
17.5°	100.4	100.7	102.3	100.7	93.2	94.1	96.2	97.2	101.5	103.2	102.3
20°	56.5	56.7	56.5	57.1	54.1	54.8	57.5	57.7	58.6	59.5	59.4
22.5°	32.3	32.5	33.6	33.3	32.5	33.5	34.0	35.0	35.3	35.0	36.1
25°	15.5	15.7	15.7	18.0	19.1	20.0	20.4	20.0	19.7	18.1	18.0
27.5°	8.9	8.9	9.3	9.5	9.8	11.5	11.3	9.5	7.9	7.9	8.1
30°	5.3	5.1	5.1	5.3	5.5	5.7	5.3	5.1	5.1	5.3	5.1
32.5°	3.2	3.2	3.2	3.0	3.0	2.8	2.8	3.2	3.2	3.2	3.2
35°	1.9	1.9	1.9	1.9	1.7	1.7	1.7	1.9	1.9	1.7	1.7
37.5°	1.1	1.1	1.1	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.9
40°	0.8	0.8	0.6	0.6	0.4	0.4	0.4	0.6	0.6	0.6	0.6
42.5°	0.6	0.6	0.4	0.4	0.2	0.2	0.2	0.4	0.4	0.4	0.4
45°	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4
47.5°	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.2	0.2	0.2	0.2
50°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
52.5°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2
55°	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2
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	0.2	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)