

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P560526

Luminaire Tested: **SDL-PA1-50-727-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560526
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-10)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-727-U-T4W-HSS
Description: Springdale
(1) 70 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3897.3 lumens
Efficiency: N/A
Efficacy: 74.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B0 - U0 - G2

Input Watts (W): 52.4
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

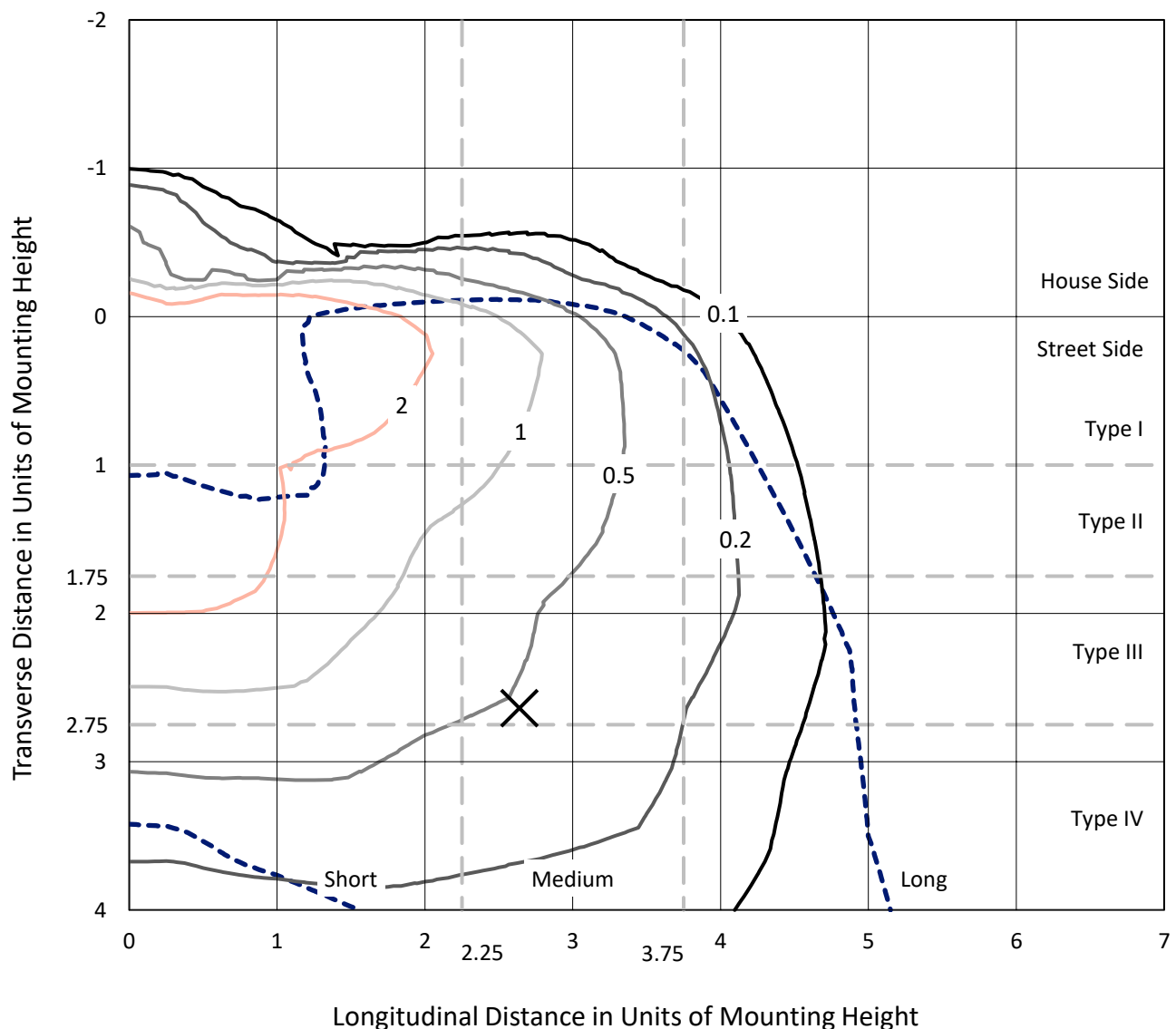


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

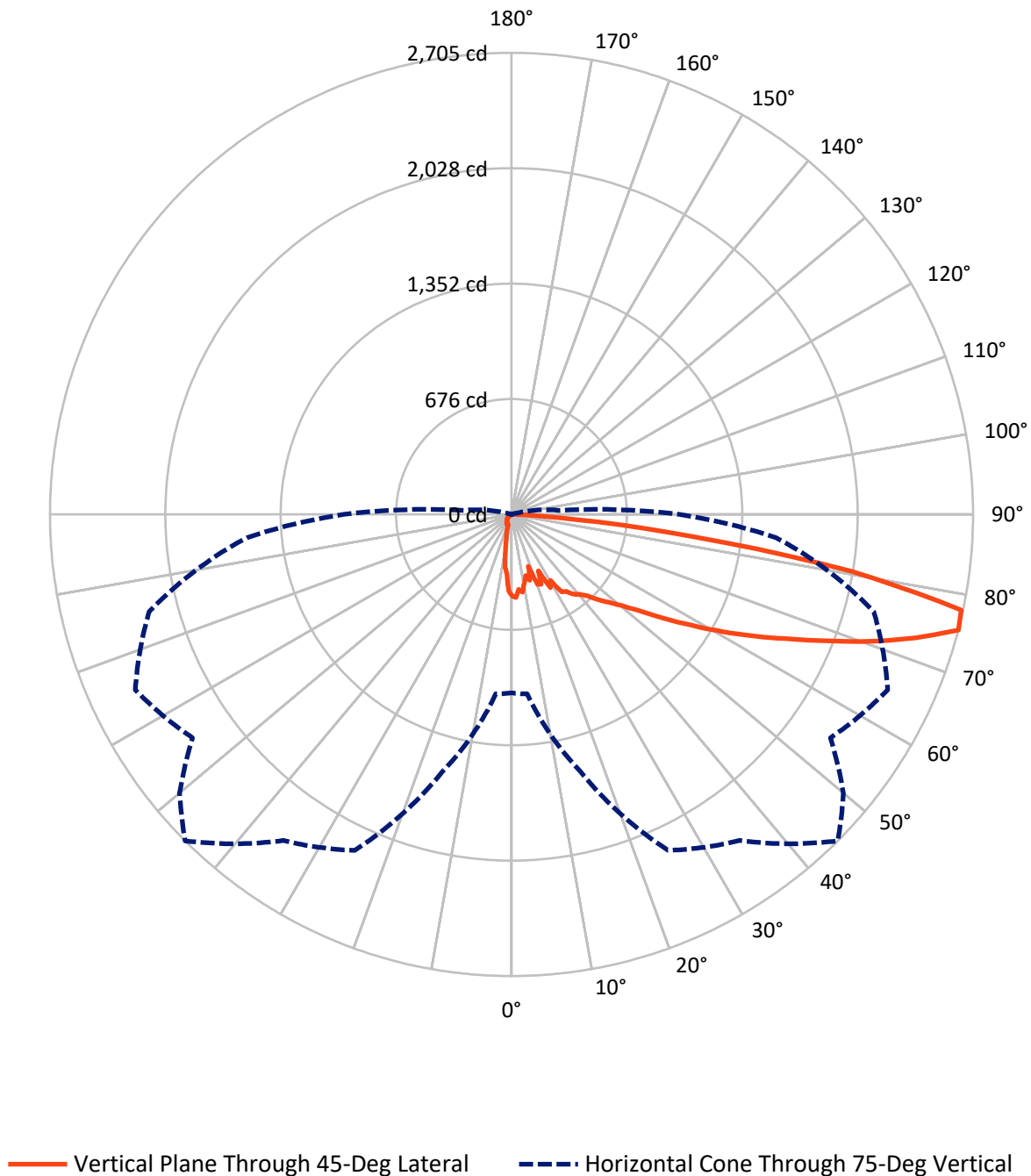


Based on 10 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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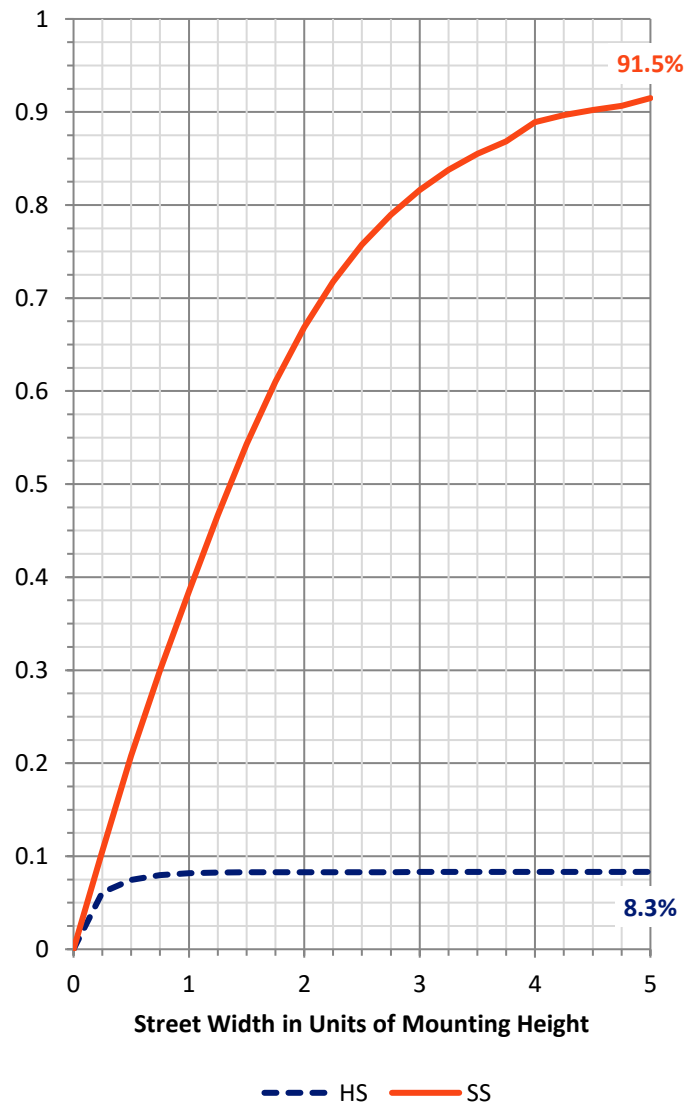
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	327.2	0.0	327.2
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	3570.1	0.0	3570.1
	% Fixture	91.6	0.0	91.6
Total	Lumens	3897.3	0.0	3897.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.1	1.0
10°-20°	81.6	2.1
20°-30°	137.9	3.5
30°-40°	254.0	6.5
40°-50°	416.9	10.7
50°-60°	742.0	19.0
60°-70°	1110.2	28.5
70°-80°	988.5	25.4
80°-90°	129.1	3.3
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°-90°	3897.3	100.0
0°-180°	3897.3	100.0

Coefficient of Utilization



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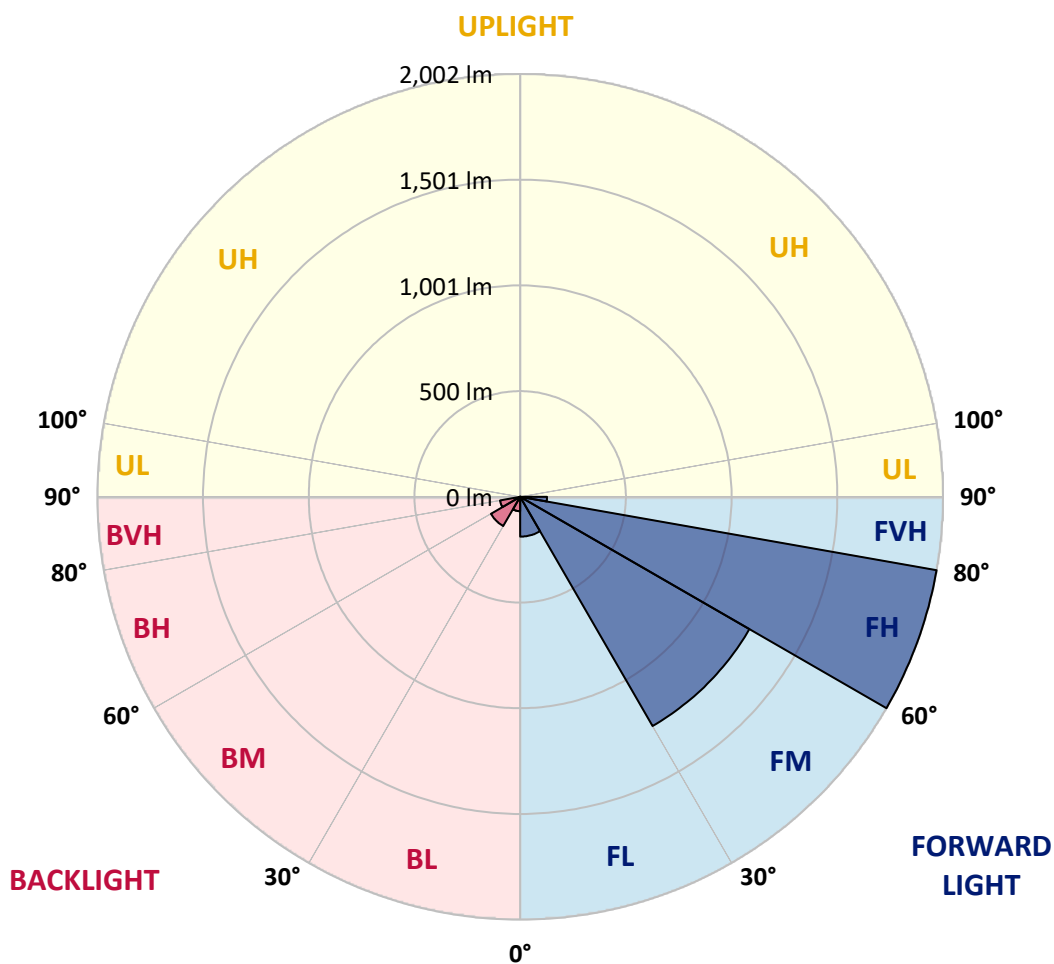
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	188.4	4.8			
FM	(30°-60°)	1252.8	32.1			
FH	(60°-80°)	2001.8	51.4			G2/5000
FVH	(80°-90°)	127.1	3.3			G2/225
BL	(0°-30°)	68.3	1.8	B0/110		
BM	(30°-60°)	160.1	4.1	B0/220		
BH	(60°-80°)	96.9	2.5	B0/110		G0/110
BVH	(80°-90°)	2.0	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9
2.5°	444.6	477.9	481.8	483.7	487.7	489.6	489.6	489.6	489.6	487.7	487.7
5°	470.0	468.1	466.1	464.2	462.2	458.3	454.4	448.5	444.6	440.7	436.7
7.5°	460.2	462.2	468.1	472.0	470.0	468.1	472.0	473.9	468.1	460.2	452.4
10°	536.6	532.7	528.8	524.9	519.0	513.1	466.1	419.1	415.2	409.3	405.4
12.5°	470.0	528.8	528.8	528.8	528.8	528.8	497.4	466.1	417.2	368.2	311.4
15°	587.5	585.6	577.7	569.9	517.0	462.2	432.8	403.4	403.4	401.5	378.0
17.5°	487.7	487.7	526.8	564.0	542.5	521.0	479.8	438.7	379.9	319.2	342.7
20°	616.9	616.9	609.1	601.2	511.2	421.1	425.0	428.9	432.8	436.7	362.3
22.5°	507.2	503.3	499.4	495.5	505.3	515.1	434.8	352.5	399.5	444.6	346.6
25°	618.9	624.7	620.8	615.0	534.7	454.4	472.0	487.7	426.9	366.2	425.0
27.5°	530.7	524.9	517.0	507.2	513.1	519.0	481.8	442.6	464.2	485.7	389.7
30°	650.2	652.2	648.3	644.3	568.0	491.6	489.6	485.7	468.1	448.5	438.7
32.5°	804.9	789.3	734.4	679.6	632.6	585.6	548.4	511.2	526.8	540.5	487.7
35°	879.3	850.0	826.5	801.0	722.7	642.4	597.3	550.3	552.3	554.2	532.7
37.5°	951.8	908.7	879.3	850.0	756.0	662.0	613.0	564.0	579.7	593.4	569.9
40°	977.3	953.8	936.1	918.5	818.6	716.8	660.0	601.2	609.1	615.0	607.1
42.5°	1041.9	1038.0	1028.2	1016.4	897.0	775.6	707.0	638.5	646.3	652.2	648.3
45°	1196.6	1190.7	1190.7	1188.8	1034.1	877.4	787.3	697.2	705.0	712.9	709.0
47.5°	1396.4	1386.6	1374.8	1361.1	1196.6	1030.1	900.9	769.7	769.7	769.7	775.6
50°	1605.9	1592.2	1566.8	1539.3	1372.9	1206.4	1041.9	877.4	859.8	840.2	861.7
52.5°	1823.3	1799.8	1756.7	1711.7	1564.8	1417.9	1231.9	1043.9	991.0	936.1	963.6
55°	1940.8	1915.4	1886.0	1854.7	1735.2	1613.8	1423.8	1233.8	1151.6	1067.4	1096.7
57.5°	2036.8	2030.9	2017.2	2003.5	1911.5	1819.4	1629.4	1437.5	1325.9	1214.2	1239.7
60°	2168.0	2160.2	2166.1	2171.9	2101.4	2030.9	1850.7	1668.6	1525.6	1380.7	1372.9
62.5°	2265.9	2264.0	2293.4	2322.7	2285.5	2246.4	2044.6	1841.0	1701.9	1560.9	1521.7
65°	2175.8	2201.3	2311.0	2420.7	2414.8	2406.9	2218.9	2029.0	1891.9	1752.8	1701.9
67.5°	1985.9	1997.6	2160.2	2320.8	2391.3	2459.8	2326.7	2191.5	2083.8	1974.1	1880.1
70°	1807.7	1833.1	1976.1	2119.1	2301.2	2483.3	2377.6	2271.8	2250.3	2226.8	2105.3
72.5°	1635.3	1680.4	1813.5	1946.7	2189.6	2430.4	2367.8	2305.1	2389.3	2473.5	2328.6
75°	1045.8	1055.6	1308.3	1558.9	1866.4	2171.9	2252.2	2332.5	2518.6	2704.6	2538.2
77.5°	305.5	338.8	528.8	718.8	1071.3	1421.8	1696.0	1970.2	2332.5	2694.8	2491.2
80°	103.8	111.6	139.1	164.5	352.5	540.5	857.8	1173.1	1594.2	2015.3	1872.3
82.5°	50.9	52.9	66.6	78.3	119.5	160.6	323.1	483.7	781.4	1077.2	1102.6
85°	15.7	15.7	23.5	31.3	50.9	70.5	121.4	170.4	270.3	368.2	311.4
87.5°	3.9	3.9	5.9	7.8	11.8	15.7	15.7	15.7	11.8	7.8	9.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9
2.5°	489.6	489.6	489.6	487.7	483.7	481.8	477.9	473.9	470.0	468.1	464.2
5°	430.9	456.3	479.8	481.8	481.8	475.9	470.0	464.2	458.3	452.4	446.5
7.5°	442.6	428.9	415.2	417.2	419.1	417.2	413.2	403.4	395.6	379.9	362.3
10°	354.5	344.7	332.9	336.9	340.8	350.6	360.4	352.5	340.8	311.4	280.1
12.5°	348.6	346.6	342.7	313.4	282.0	297.7	311.4	303.6	291.8	262.4	231.1
15°	297.7	299.6	299.6	329.0	358.4	370.1	379.9	370.1	356.4	317.3	276.1
17.5°	383.9	364.3	344.7	332.9	319.2	323.1	327.1	284.0	297.7	272.2	244.8
20°	397.6	332.9	268.3	321.2	374.1	391.7	409.3	399.5	381.9	319.2	254.6
22.5°	362.3	385.8	409.3	376.0	342.7	321.2	297.7	287.9	276.1	248.7	221.3
25°	448.5	383.9	317.3	379.9	440.7	444.6	448.5	430.9	411.3	332.9	254.6
27.5°	401.5	423.0	442.6	456.3	470.0	487.7	505.3	485.7	438.7	346.6	252.6
30°	477.9	507.2	536.6	581.7	626.7	640.4	652.2	630.6	593.4	438.7	282.0
32.5°	499.4	558.2	616.9	634.5	650.2	667.8	685.5	667.8	622.8	434.8	244.8
35°	558.2	599.3	638.5	665.9	693.3	709.0	724.6	712.9	652.2	428.9	205.6
37.5°	575.8	630.6	683.5	714.8	744.2	757.9	769.7	769.7	683.5	425.0	164.5
40°	603.2	671.8	740.3	769.7	797.1	818.6	838.2	846.1	718.8	423.0	125.3
42.5°	658.0	718.8	779.5	826.5	871.5	902.9	934.2	940.1	759.9	428.9	96.0
45°	716.8	781.4	846.1	908.7	971.4	1016.4	1059.5	1055.6	808.8	444.6	78.3
47.5°	801.0	861.7	922.4	1028.2	1132.0	1175.1	1216.2	1188.8	859.8	464.2	68.5
50°	887.2	961.6	1036.0	1171.2	1304.3	1343.5	1380.7	1323.9	908.7	487.7	64.6
52.5°	998.8	1086.9	1175.1	1329.8	1484.5	1519.8	1555.0	1439.5	945.9	503.3	60.7
55°	1130.0	1243.6	1357.2	1504.1	1649.0	1690.2	1731.3	1553.1	963.6	511.2	58.8
57.5°	1288.7	1419.9	1549.1	1684.3	1817.5	1874.2	1929.1	1664.7	971.4	513.1	54.8
60°	1443.4	1588.3	1733.2	1848.8	1964.3	2052.5	2138.6	1774.4	967.5	509.2	49.0
62.5°	1586.4	1746.9	1905.6	2013.3	2121.0	2226.8	2332.5	1862.5	942.0	491.6	39.2
65°	1735.2	1905.6	2074.0	2168.0	2262.0	2399.1	2534.2	1938.9	906.8	468.1	27.4
67.5°	1870.3	2032.9	2195.4	2301.2	2406.9	2542.1	2675.3	1958.5	855.8	438.7	19.6
70°	1983.9	2160.2	2334.5	2442.2	2549.9	2618.5	2685.0	1872.3	754.0	383.9	13.7
72.5°	2140.6	2299.2	2455.9	2510.7	2563.6	2444.2	2322.7	1560.9	566.0	289.9	11.8
75°	2281.6	2358.0	2432.4	2314.9	2197.4	1876.2	1555.0	983.1	276.1	144.9	11.8
77.5°	2138.6	2097.5	2056.4	1696.0	1333.7	991.0	646.3	385.8	86.2	47.0	7.8
80°	1549.1	1361.1	1171.2	810.8	448.5	299.6	148.8	86.2	21.5	13.7	5.9
82.5°	834.3	644.3	452.4	291.8	131.2	88.1	43.1	29.4	9.8	7.8	3.9
85°	301.6	238.9	174.3	135.1	96.0	56.8	15.7	9.8	5.9	5.9	3.9
87.5°	27.4	31.3	35.3	27.4	17.6	11.8	3.9	3.9	3.9	3.9	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9	477.9
2.5°	462.2	460.2	458.3	454.4	452.4	450.4	436.7	423.0	407.4	391.7	391.7
5°	421.1	395.6	381.9	368.2	358.4	348.6	346.6	342.7	338.8	334.9	332.9
7.5°	352.5	342.7	334.9	327.1	317.3	307.5	297.7	287.9	280.1	272.2	254.6
10°	264.4	248.7	237.0	225.2	219.3	211.5	199.8	186.1	186.1	186.1	184.1
12.5°	229.1	227.2	197.8	166.5	156.7	146.9	144.9	143.0	139.1	133.2	125.3
15°	227.2	176.3	150.8	123.4	117.5	109.7	97.9	84.2	82.3	78.3	88.1
17.5°	205.6	166.5	137.1	107.7	86.2	64.6	68.5	70.5	80.3	88.1	94.0
20°	186.1	117.5	97.9	76.4	70.5	62.7	66.6	70.5	68.5	64.6	74.4
22.5°	174.3	125.3	92.0	58.8	62.7	66.6	62.7	56.8	66.6	76.4	82.3
25°	168.4	80.3	72.5	62.7	58.8	54.8	62.7	68.5	64.6	60.7	72.5
27.5°	166.5	80.3	68.5	54.8	58.8	62.7	60.7	56.8	64.6	70.5	68.5
30°	178.2	72.5	64.6	56.8	54.8	52.9	56.8	60.7	60.7	58.8	68.5
32.5°	158.6	72.5	64.6	54.8	54.8	52.9	52.9	52.9	58.8	64.6	68.5
35°	137.1	66.6	60.7	52.9	50.9	49.0	50.9	50.9	56.8	60.7	68.5
37.5°	113.6	62.7	56.8	49.0	47.0	45.0	45.0	43.1	49.0	54.8	60.7
40°	92.0	58.8	52.9	45.0	43.1	41.1	41.1	41.1	45.0	47.0	50.9
42.5°	76.4	54.8	49.0	41.1	39.2	37.2	37.2	35.3	37.2	39.2	41.1
45°	66.6	52.9	47.0	39.2	37.2	33.3	31.3	29.4	29.4	29.4	29.4
47.5°	58.8	49.0	45.0	39.2	35.3	29.4	27.4	23.5	21.5	19.6	17.6
50°	54.8	45.0	41.1	35.3	31.3	25.5	21.5	17.6	15.7	11.8	11.8
52.5°	50.9	41.1	37.2	31.3	25.5	19.6	15.7	9.8	9.8	7.8	7.8
55°	49.0	39.2	33.3	27.4	21.5	13.7	9.8	5.9	5.9	3.9	3.9
57.5°	47.0	37.2	31.3	23.5	15.7	7.8	5.9	3.9	3.9	3.9	3.9
60°	41.1	33.3	25.5	15.7	9.8	3.9	3.9	2.0	3.9	3.9	3.9
62.5°	33.3	25.5	17.6	9.8	5.9	2.0	2.0	2.0	3.9	3.9	3.9
65°	23.5	17.6	11.8	5.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0
67.5°	17.6	13.7	9.8	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0
70°	11.8	9.8	7.8	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	9.8	7.8	5.9	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0
75°	9.8	7.8	5.9	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0
77.5°	7.8	5.9	3.9	2.0	2.0	0.0	2.0	3.9	3.9	3.9	3.9
80°	5.9	3.9	3.9	2.0	2.0	0.0	2.0	3.9	3.9	3.9	3.9
82.5°	3.9	3.9	3.9	2.0	2.0	0.0	3.9	5.9	5.9	3.9	3.9
85°	3.9	2.0	2.0	2.0	2.0	2.0	3.9	5.9	5.9	5.9	3.9
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	3.9	5.9	5.9	5.9	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	477.9	477.9	477.9	477.9
2.5°	389.7	389.7	387.8	387.8
5°	329.0	329.0	327.1	327.1
7.5°	237.0	233.1	227.2	229.1
10°	182.1	178.2	174.3	178.2
12.5°	117.5	119.5	119.5	113.6
15°	96.0	103.8	109.7	109.7
17.5°	99.9	99.9	97.9	97.9
20°	84.2	92.0	99.9	99.9
22.5°	86.2	82.3	78.3	78.3
25°	82.3	88.1	92.0	92.0
27.5°	66.6	68.5	70.5	70.5
30°	76.4	80.3	82.3	82.3
32.5°	72.5	76.4	78.3	80.3
35°	74.4	78.3	80.3	80.3
37.5°	66.6	68.5	70.5	70.5
40°	52.9	54.8	56.8	56.8
42.5°	41.1	41.1	39.2	41.1
45°	27.4	27.4	25.5	27.4
47.5°	15.7	15.7	15.7	15.7
50°	9.8	9.8	9.8	9.8
52.5°	5.9	5.9	5.9	5.9
55°	3.9	3.9	3.9	3.9
57.5°	3.9	3.9	2.0	2.0
60°	2.0	2.0	2.0	2.0
62.5°	2.0	2.0	0.0	0.0
65°	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	2.0	2.0	0.0	0.0
77.5°	2.0	2.0	0.0	0.0
80°	2.0	2.0	0.0	0.0
82.5°	2.0	2.0	0.0	0.0
85°	2.0	2.0	2.0	0.0
87.5°	2.0	2.0	2.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)