

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: P561028

Luminaire Tested: **SDL-PA1-80-722-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561028
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-722-U-T3-HSS
Description: Springdale
(1) 70 CRI, 2200K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5085.7 lumens
Efficiency: N/A
Efficacy: 62.0 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: B1 - U0 - G2

Input Watts (W): 82
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

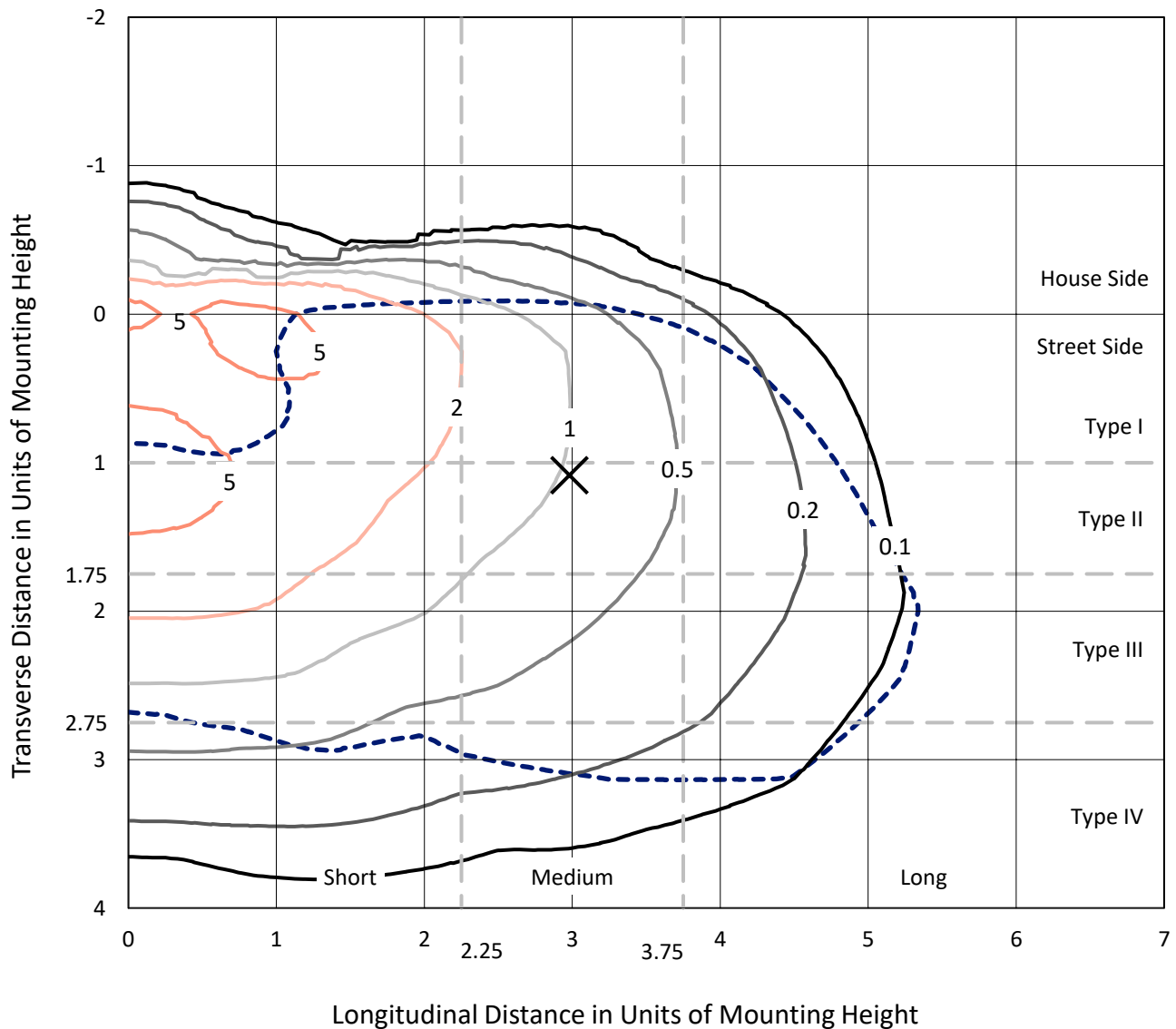


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

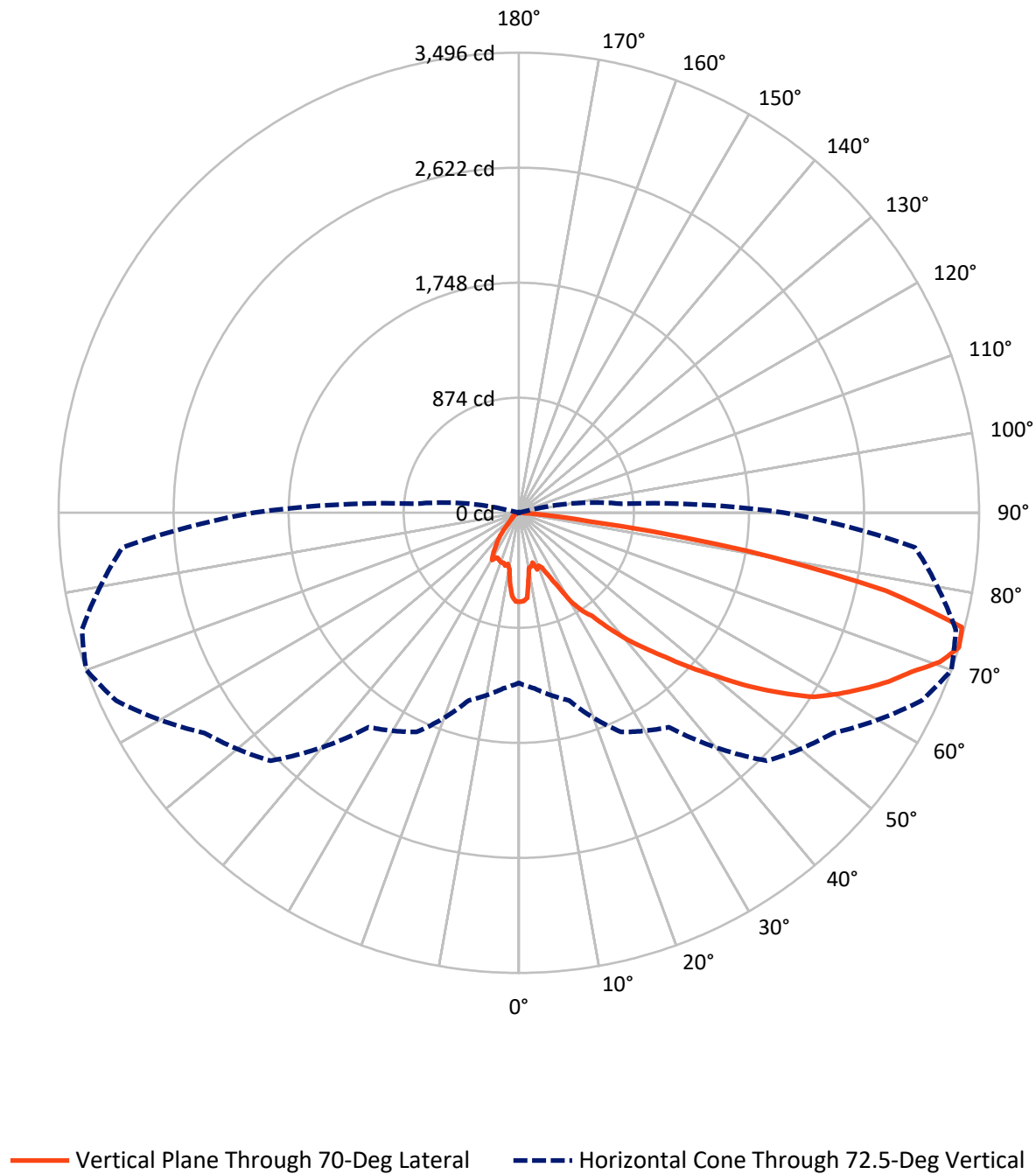


Based on 10 foot mounting height. Maximum calculated value = 8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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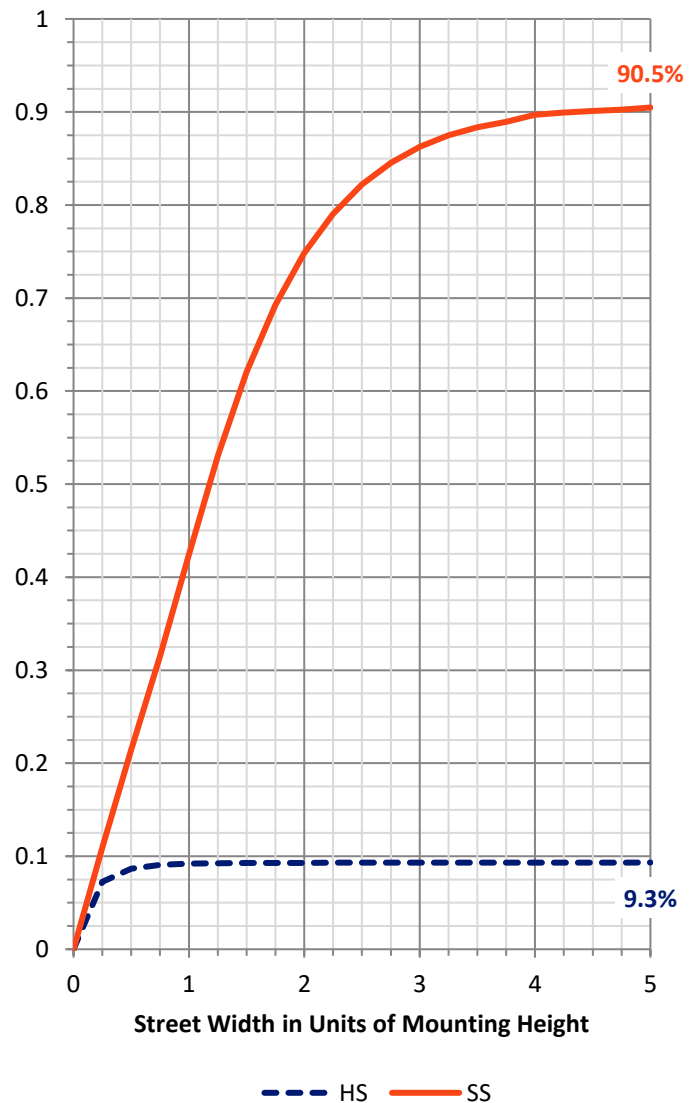
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	479.5	0.0	479.5
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	4606.2	0.0	4606.2
	% Fixture	90.6	0.0	90.6
Total	Lumens	5085.7	0.0	5085.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	1.0
10°-20°	104.1	2.0
20°-30°	169.7	3.3
30°-40°	362.0	7.1
40°-50°	697.6	13.7
50°-60°	1153.8	22.7
60°-70°	1412.3	27.8
70°-80°	1034.7	20.3
80°-90°	99.4	2.0
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°-90°	5085.7	100.0
0°-180°	5085.7	100.0

Coefficient of Utilization



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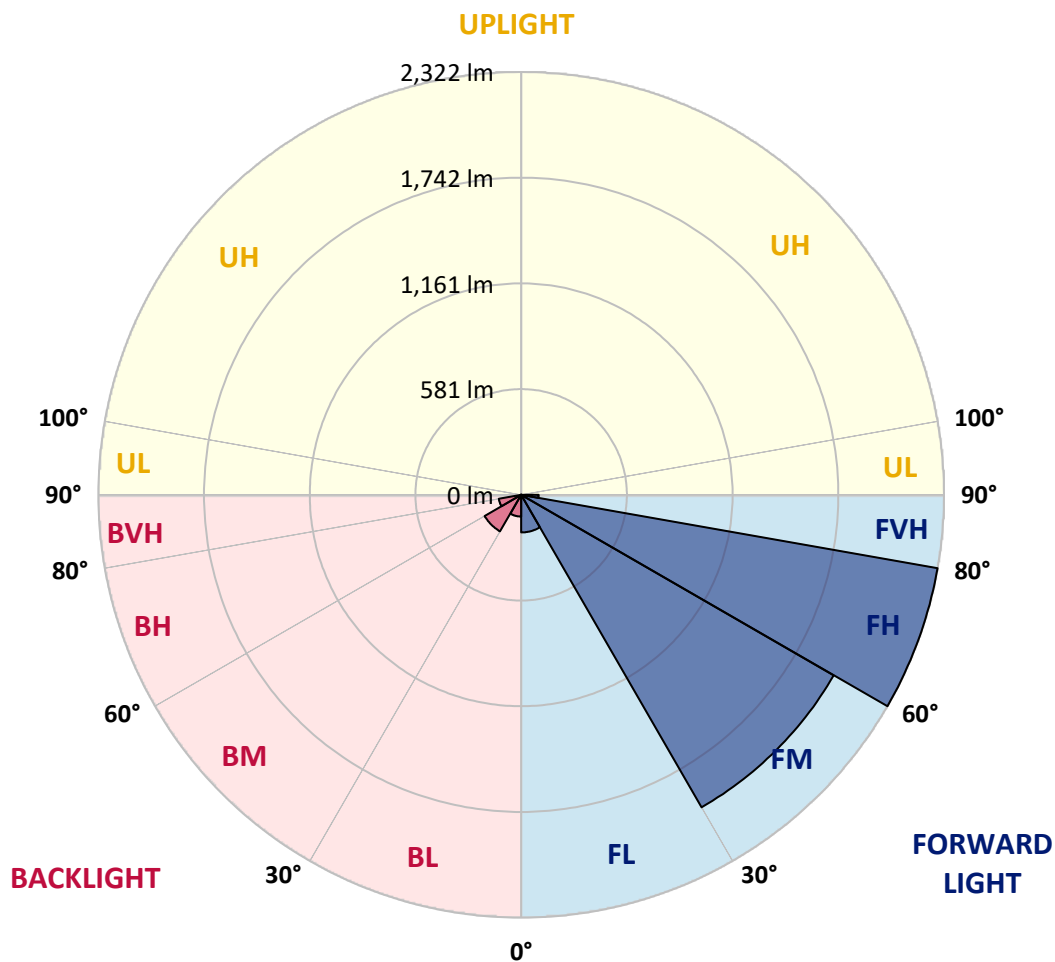
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	206.5	4.1			
FM	(30°-60°)	1981.8	39.0			
FH	(60°-80°)	2322.1	45.7			G2/5000
FVH	(80°-90°)	95.9	1.9			G1/100
BL	(0°-30°)	119.4	2.3	B1/500		
BM	(30°-60°)	231.7	4.6	B1/1000		
BH	(60°-80°)	124.9	2.5	B1/500		G1/500
BVH	(80°-90°)	3.5	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8
2.5°	601.9	619.4	629.3	639.3	636.8	634.3	639.3	644.3	654.3	661.8	666.8
5°	541.9	541.9	541.9	541.9	544.4	544.4	544.4	544.4	546.9	549.4	551.9
7.5°	469.5	479.5	484.5	489.5	502.0	512.0	522.0	531.9	536.9	539.4	541.9
10°	509.5	509.5	509.5	509.5	512.0	512.0	479.5	444.5	447.0	449.5	434.5
12.5°	422.1	419.6	447.0	472.0	489.5	504.5	487.0	467.0	437.0	404.6	399.6
15°	497.0	497.0	497.0	497.0	462.0	427.1	402.1	377.1	397.1	414.6	374.6
17.5°	392.1	402.1	432.0	462.0	462.0	462.0	439.5	417.1	374.6	329.7	377.1
20°	487.0	487.0	487.0	484.5	427.1	369.6	389.6	407.1	424.6	442.0	434.5
22.5°	404.6	399.6	407.1	414.6	432.0	447.0	397.1	344.6	402.1	457.0	429.5
25°	512.0	512.0	514.5	514.5	459.5	404.6	437.0	467.0	424.6	382.1	449.5
27.5°	462.0	447.0	444.5	439.5	457.0	472.0	449.5	427.1	474.5	522.0	499.5
30°	641.8	641.8	624.3	606.9	539.4	469.5	477.0	482.0	482.0	482.0	531.9
32.5°	891.6	894.1	826.6	756.7	696.8	634.3	579.4	522.0	551.9	581.9	614.4
35°	1201.2	1208.7	1161.3	1111.3	964.0	816.6	724.2	631.8	629.3	624.3	671.8
37.5°	1423.5	1438.5	1401.0	1363.6	1188.8	1013.9	881.6	749.2	736.7	721.7	739.2
40°	1633.3	1623.3	1600.8	1575.8	1391.0	1203.7	1058.9	911.5	879.1	844.1	846.6
42.5°	1905.5	1875.5	1818.1	1760.7	1583.3	1406.0	1251.2	1096.4	1043.9	991.5	981.5
45°	2257.6	2207.7	2125.3	2040.4	1865.5	1690.7	1500.9	1308.6	1243.7	1176.3	1161.3
47.5°	2437.4	2402.5	2350.0	2295.1	2115.3	1935.5	1753.2	1568.4	1478.4	1386.0	1361.1
50°	2649.7	2604.8	2569.8	2532.3	2377.5	2220.2	2050.3	1878.0	1758.2	1638.3	1595.8
52.5°	2852.0	2777.1	2744.6	2709.7	2587.3	2462.4	2285.1	2107.8	2030.4	1950.5	1848.1
55°	2924.4	2852.0	2837.0	2822.0	2734.6	2647.2	2484.9	2322.6	2232.7	2140.3	2057.8
57.5°	2767.1	2777.1	2822.0	2867.0	2817.0	2767.1	2634.7	2499.9	2400.0	2300.1	2252.6
60°	2659.7	2682.2	2749.6	2817.0	2817.0	2817.0	2744.6	2672.2	2577.3	2482.4	2449.9
62.5°	2487.4	2514.9	2617.3	2719.6	2784.6	2849.5	2772.1	2694.7	2662.2	2627.2	2597.3
65°	2260.1	2267.6	2382.5	2497.4	2632.2	2764.6	2692.2	2617.3	2679.7	2742.1	2712.2
67.5°	1997.9	2010.4	2117.8	2222.7	2382.5	2542.3	2522.4	2499.9	2637.2	2774.6	2772.1
70°	1685.7	1708.2	1800.6	1890.5	2070.3	2247.6	2267.6	2287.6	2524.9	2759.6	2804.6
72.5°	1293.6	1338.6	1408.5	1476.0	1658.3	1838.1	1913.0	1987.9	2327.6	2664.7	2792.1
75°	429.5	459.5	654.3	846.6	1031.4	1216.2	1381.1	1543.4	1967.9	2390.0	2654.7
77.5°	124.9	129.9	167.3	202.3	347.1	489.5	659.3	826.6	1241.2	1653.3	2092.8
80°	64.9	67.4	74.9	82.4	119.9	157.3	227.3	294.7	484.5	674.3	1136.3
82.5°	45.0	45.0	52.4	57.4	72.4	87.4	124.9	162.3	177.3	192.3	457.0
85°	15.0	15.0	20.0	25.0	35.0	45.0	67.4	87.4	87.4	84.9	122.4
87.5°	2.5	2.5	5.0	7.5	12.5	15.0	12.5	10.0	7.5	5.0	10.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8
2.5°	669.3	671.8	671.8	671.8	674.3	674.3	674.3	674.3	671.8	674.3	674.3
5°	551.9	596.9	639.3	651.8	659.3	661.8	661.8	661.8	659.3	659.3	659.3
7.5°	544.4	541.9	539.4	519.5	566.9	576.9	584.4	581.9	581.9	569.4	554.4
10°	419.6	419.6	419.6	424.6	452.0	484.5	517.0	517.0	517.0	479.5	442.0
12.5°	392.1	407.1	419.6	419.6	374.6	412.1	449.5	449.5	449.5	412.1	372.1
15°	334.6	352.1	367.1	392.1	467.0	512.0	556.9	556.9	554.4	512.0	467.0
17.5°	422.1	417.1	409.6	454.5	427.1	434.5	442.0	419.6	452.0	439.5	427.1
20°	427.1	382.1	334.6	429.5	526.9	569.4	611.9	614.4	606.9	559.4	509.5
22.5°	402.1	459.5	514.5	454.5	469.5	459.5	447.0	442.0	442.0	439.5	437.0
25°	514.5	459.5	404.6	531.9	621.8	651.8	681.8	674.3	664.3	596.9	529.4
27.5°	474.5	529.4	581.9	631.8	676.8	704.3	731.7	809.2	704.3	626.8	546.9
30°	579.4	646.8	711.8	784.2	921.5	961.5	1001.4	981.5	956.5	806.7	656.8
32.5°	644.3	751.7	856.6	889.1	971.5	1008.9	1043.9	1026.4	996.5	799.2	601.9
35°	716.7	816.6	914.0	966.5	1066.4	1096.4	1123.8	1096.4	1063.9	791.7	519.5
37.5°	756.7	891.6	1023.9	1113.8	1198.7	1206.2	1211.2	1186.3	1143.8	791.7	439.5
40°	849.1	994.0	1136.3	1266.2	1333.6	1336.1	1338.6	1298.6	1221.2	784.2	344.6
42.5°	971.5	1118.8	1263.7	1406.0	1495.9	1488.4	1478.4	1423.5	1296.1	771.7	247.2
45°	1146.3	1276.2	1406.0	1565.9	1675.7	1655.8	1633.3	1550.9	1348.6	759.2	167.3
47.5°	1333.6	1436.0	1535.9	1755.7	1895.5	1853.1	1808.1	1688.2	1386.0	754.2	119.9
50°	1550.9	1633.3	1715.7	1955.4	2122.8	2042.9	1962.9	1825.6	1401.0	749.2	94.9
52.5°	1743.2	1828.1	1910.5	2190.2	2317.6	2227.7	2137.8	1933.0	1393.5	739.2	82.4
55°	1972.9	2047.9	2122.8	2415.0	2517.4	2397.5	2275.1	2010.4	1356.1	716.7	74.9
57.5°	2202.7	2280.1	2355.0	2639.7	2669.7	2552.3	2432.4	2085.3	1318.6	694.3	67.4
60°	2417.5	2504.9	2592.3	2792.1	2814.5	2709.7	2604.8	2157.7	1258.7	659.3	59.9
62.5°	2567.3	2687.2	2807.1	2941.9	2951.9	2857.0	2759.6	2212.7	1181.3	619.4	54.9
65°	2679.7	2844.5	3006.8	3089.3	3084.3	3016.8	2949.4	2260.1	1118.8	581.9	45.0
67.5°	2767.1	2966.9	3166.7	3221.6	3234.1	3171.7	3109.2	2267.6	1041.4	539.4	35.0
70°	2849.5	3069.3	3289.1	3393.9	3369.0	3271.6	3174.2	2210.2	936.5	482.0	25.0
72.5°	2916.9	3146.7	3376.5	3496.3	3436.4	3229.1	3021.8	2015.4	784.2	402.1	17.5
75°	2916.9	3146.7	3374.0	3476.4	3271.6	2859.5	2444.9	1500.9	459.5	237.3	15.0
77.5°	2532.3	2699.7	2867.0	2852.0	2492.4	1980.4	1466.0	864.1	154.8	84.9	12.5
80°	1598.3	1708.2	1818.1	1763.2	1273.7	914.0	551.9	289.7	54.9	32.5	10.0
82.5°	721.7	709.3	696.8	536.9	249.7	167.3	82.4	49.9	15.0	10.0	5.0
85°	159.8	154.8	149.8	109.9	74.9	49.9	25.0	15.0	7.5	7.5	5.0
87.5°	15.0	17.5	17.5	12.5	12.5	10.0	5.0	5.0	5.0	5.0	5.0
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°	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8	676.8
2.5°	674.3	674.3	674.3	671.8	671.8	671.8	654.3	634.3	621.8	606.9	599.4
5°	636.8	614.4	586.9	559.4	554.4	546.9	549.4	549.4	551.9	551.9	551.9
7.5°	541.9	529.4	534.4	539.4	539.4	539.4	539.4	536.9	534.4	531.9	507.0
10°	432.0	422.1	422.1	422.1	429.5	434.5	422.1	407.1	429.5	449.5	444.5
12.5°	397.1	422.1	389.6	354.6	359.6	362.1	362.1	359.6	349.6	339.6	304.7
15°	414.6	362.1	332.2	299.7	299.7	299.7	242.2	184.8	172.3	159.8	162.3
17.5°	397.1	367.1	332.2	294.7	222.3	147.3	139.9	129.9	129.9	129.9	132.4
20°	399.6	289.7	244.7	199.8	159.8	117.4	109.9	99.9	94.9	87.4	102.4
22.5°	392.1	344.6	234.8	124.9	109.9	94.9	87.4	77.4	89.9	102.4	102.4
25°	379.6	227.3	169.8	109.9	92.4	74.9	84.9	92.4	87.4	79.9	92.4
27.5°	382.1	214.8	147.3	79.9	84.9	87.4	82.4	74.9	82.4	87.4	82.4
30°	412.1	167.3	124.9	79.9	77.4	72.4	74.9	77.4	74.9	69.9	74.9
32.5°	367.1	132.4	104.9	74.9	72.4	69.9	67.4	64.9	67.4	67.4	67.4
35°	309.7	99.9	84.9	69.9	64.9	59.9	59.9	57.4	57.4	57.4	57.4
37.5°	262.2	84.9	74.9	62.4	57.4	52.4	49.9	45.0	45.0	42.5	42.5
40°	212.3	77.4	67.4	54.9	49.9	42.5	40.0	35.0	35.0	32.5	32.5
42.5°	159.8	69.9	59.9	47.5	42.5	35.0	30.0	25.0	25.0	22.5	22.5
45°	114.9	62.4	52.4	40.0	35.0	27.5	22.5	17.5	17.5	15.0	15.0
47.5°	89.9	57.4	47.5	35.0	27.5	20.0	17.5	12.5	12.5	12.5	12.5
50°	72.4	49.9	40.0	27.5	20.0	12.5	10.0	7.5	7.5	7.5	7.5
52.5°	64.9	45.0	35.0	22.5	17.5	10.0	7.5	5.0	7.5	7.5	7.5
55°	57.4	40.0	30.0	17.5	12.5	7.5	7.5	5.0	7.5	7.5	7.5
57.5°	52.4	35.0	25.0	12.5	10.0	5.0	5.0	2.5	5.0	5.0	5.0
60°	45.0	30.0	20.0	10.0	7.5	2.5	2.5	2.5	5.0	5.0	5.0
62.5°	40.0	25.0	17.5	7.5	5.0	2.5	2.5	2.5	5.0	5.0	5.0
65°	32.5	17.5	12.5	5.0	5.0	2.5	2.5	2.5	5.0	5.0	5.0
67.5°	25.0	12.5	10.0	5.0	5.0	2.5	2.5	2.5	5.0	5.0	2.5
70°	17.5	10.0	7.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0	2.5
72.5°	12.5	7.5	5.0	2.5	2.5	0.0	2.5	2.5	5.0	5.0	5.0
75°	12.5	7.5	5.0	2.5	2.5	0.0	2.5	5.0	5.0	5.0	5.0
77.5°	10.0	5.0	5.0	2.5	2.5	0.0	2.5	5.0	5.0	5.0	5.0
80°	7.5	5.0	5.0	2.5	2.5	0.0	5.0	7.5	7.5	7.5	5.0
82.5°	5.0	5.0	5.0	2.5	2.5	0.0	5.0	7.5	7.5	7.5	5.0
85°	5.0	5.0	5.0	5.0	2.5	0.0	5.0	7.5	7.5	7.5	7.5
87.5°	5.0	5.0	5.0	5.0	5.0	2.5	7.5	10.0	10.0	7.5	7.5
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°	676.8	676.8	676.8	676.8
2.5°	589.4	589.4	586.9	594.4
5°	551.9	551.9	551.9	554.4
7.5°	479.5	462.0	444.5	447.0
10°	437.0	432.0	424.6	429.5
12.5°	269.7	254.7	237.3	229.8
15°	164.8	164.8	164.8	162.3
17.5°	134.9	124.9	112.4	114.9
20°	117.4	119.9	122.4	122.4
22.5°	102.4	97.4	92.4	92.4
25°	102.4	102.4	102.4	102.4
27.5°	77.4	77.4	74.9	74.9
30°	79.9	79.9	77.4	74.9
32.5°	64.9	64.9	64.9	64.9
35°	54.9	52.4	49.9	49.9
37.5°	42.5	40.0	37.5	37.5
40°	30.0	30.0	27.5	27.5
42.5°	22.5	22.5	20.0	20.0
45°	15.0	15.0	15.0	15.0
47.5°	10.0	10.0	10.0	10.0
50°	7.5	7.5	7.5	7.5
52.5°	7.5	7.5	5.0	5.0
55°	5.0	5.0	5.0	5.0
57.5°	5.0	5.0	5.0	5.0
60°	5.0	5.0	2.5	2.5
62.5°	2.5	2.5	2.5	2.5
65°	2.5	2.5	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°	2.5	2.5	0.0	0.0
75°	2.5	2.5	0.0	0.0
77.5°	2.5	2.5	0.0	0.0
80°	2.5	2.5	0.0	0.0
82.5°	2.5	2.5	2.5	0.0
85°	5.0	5.0	2.5	0.0
87.5°	5.0	5.0	2.5	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)