

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: P560856

Luminaire Tested: **SDL-PA1-70-722-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560856
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-PA1-70-722-U-T4W-HSS
Description: Springdale
(1) 70 CRI, 2200K, 930mA 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: 4525.6 lumens
Efficiency: N/A
Efficacy: 62.7 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): 72.2
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

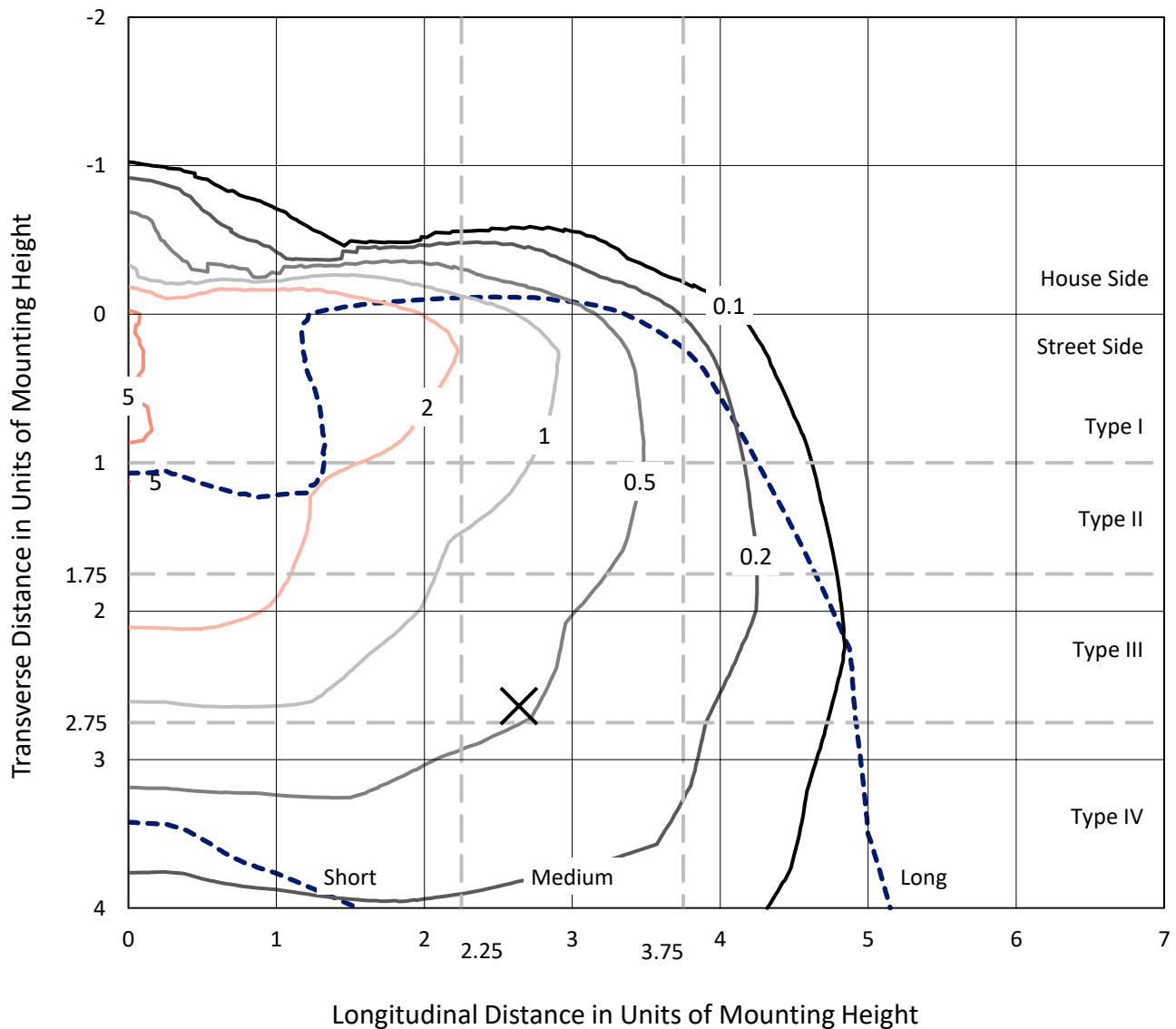


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

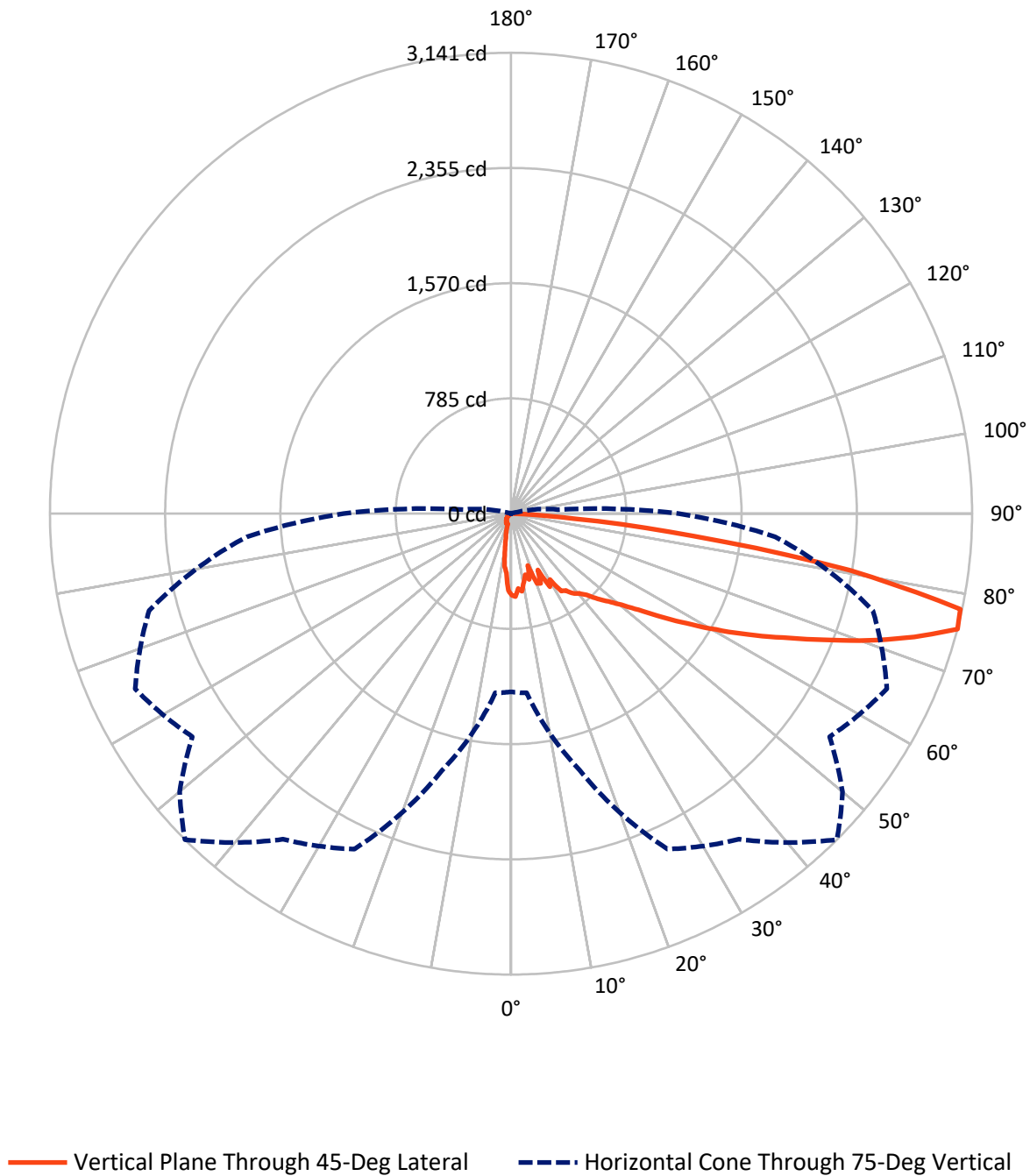


Based on 10 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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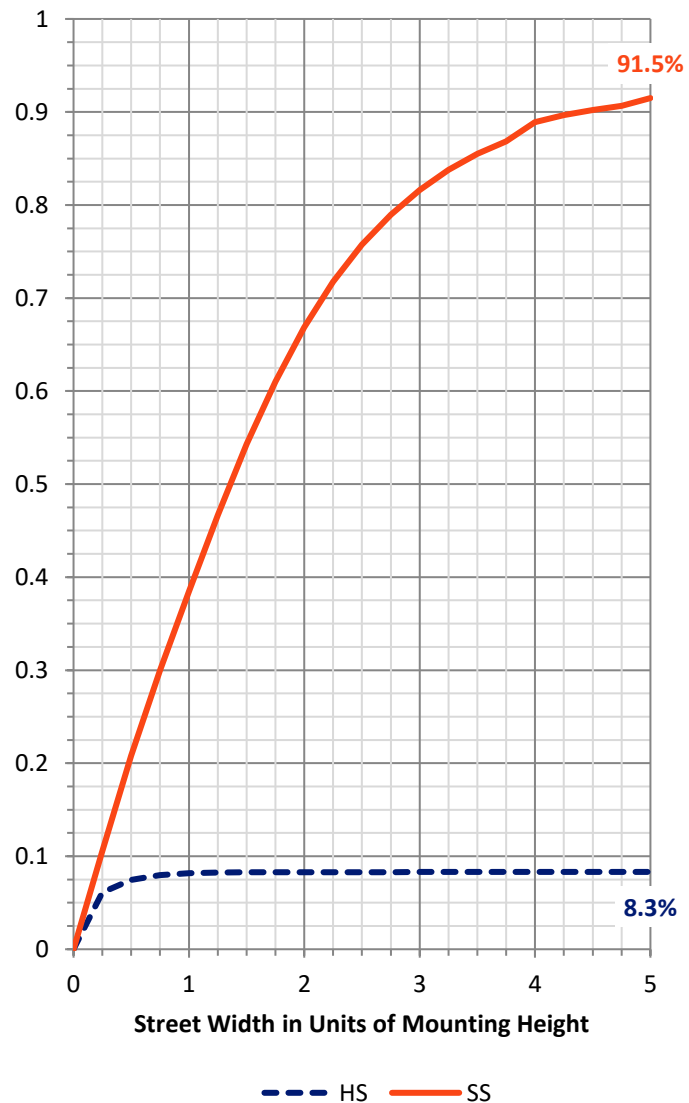
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	379.9	0.0	379.9
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	4145.6	0.0	4145.6
	% Fixture	91.6	0.0	91.6
Total	Lumens	4525.6	0.0	4525.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.1	1.0
10°-20°	94.7	2.1
20°-30°	160.2	3.5
30°-40°	295.0	6.5
40°-50°	484.1	10.7
50°-60°	861.6	19.0
60°-70°	1289.2	28.5
70°-80°	1147.8	25.4
80°-90°	149.9	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°	4525.6	100.0
0°-180°	4525.6	100.0

Coefficient of Utilization



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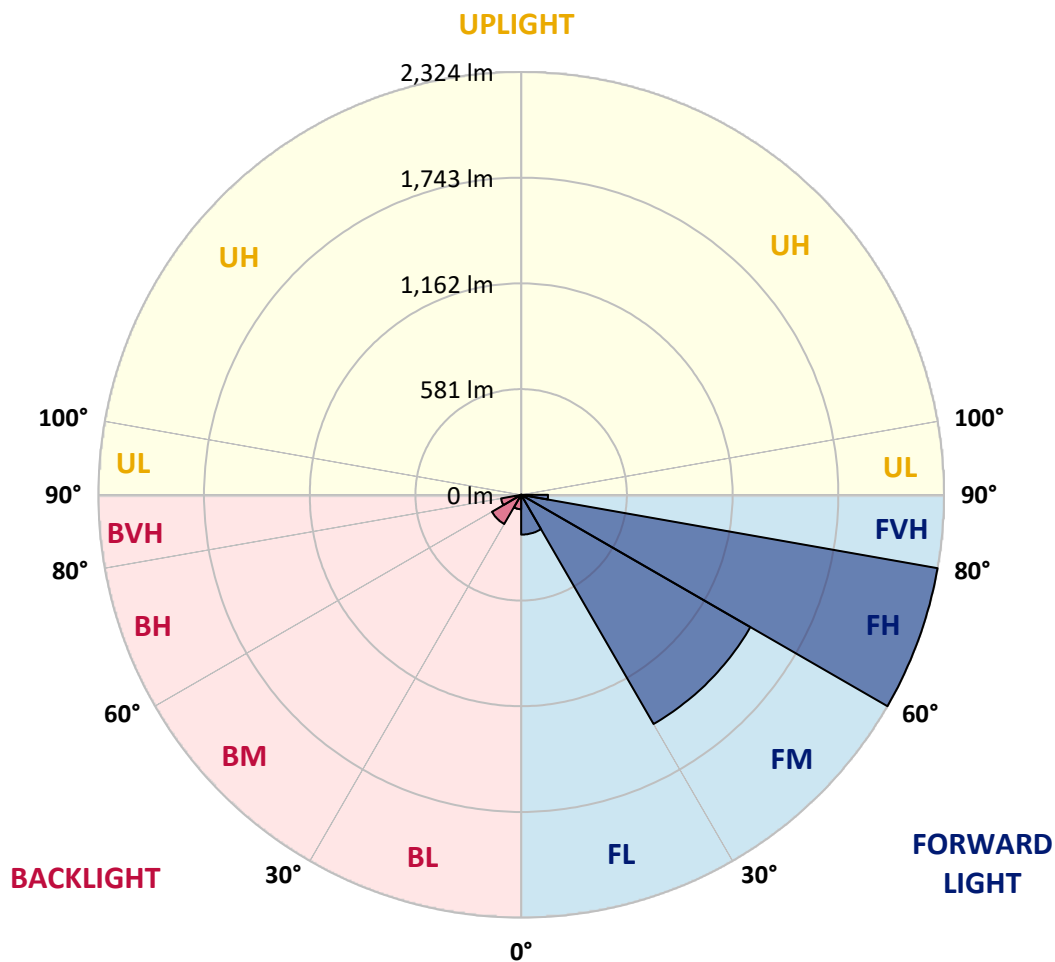
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	218.7	4.8			
FM	(30°-60°)	1454.8	32.1			
FH	(60°-80°)	2324.5	51.4			G2/5000
FVH	(80°-90°)	147.6	3.3			G2/225
BL	(0°-30°)	79.3	1.8	B0/110		
BM	(30°-60°)	185.9	4.1	B0/220		
BH	(60°-80°)	112.5	2.5	B1/500		G1/500
BVH	(80°-90°)	2.3	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°	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9
2.5°	516.2	554.9	559.4	561.7	566.3	568.5	568.5	568.5	568.5	566.3	566.3
5°	545.8	543.5	541.3	539.0	536.7	532.2	527.6	520.8	516.2	511.7	507.1
7.5°	534.4	536.7	543.5	548.1	545.8	543.5	548.1	550.4	543.5	534.4	525.3
10°	623.1	618.6	614.0	609.5	602.7	595.8	541.3	486.7	482.1	475.3	470.8
12.5°	545.8	614.0	614.0	614.0	614.0	614.0	577.6	541.3	484.4	427.5	361.6
15°	682.3	680.0	670.9	661.8	600.4	536.7	502.6	468.5	468.5	466.2	438.9
17.5°	566.3	566.3	611.8	655.0	629.9	604.9	557.2	509.4	441.2	370.7	398.0
20°	716.4	716.4	707.3	698.2	593.6	488.9	493.5	498.0	502.6	507.1	420.7
22.5°	589.0	584.5	579.9	575.4	586.7	598.1	504.9	409.4	463.9	516.2	402.5
25°	718.6	725.5	720.9	714.1	620.8	527.6	548.1	566.3	495.8	425.3	493.5
27.5°	616.3	609.5	600.4	589.0	595.8	602.7	559.4	514.0	539.0	564.0	452.6
30°	755.0	757.3	752.8	748.2	659.5	570.8	568.5	564.0	543.5	520.8	509.4
32.5°	934.7	916.5	852.8	789.1	734.6	680.0	636.8	593.6	611.8	627.7	566.3
35°	1021.1	987.0	959.7	930.1	839.2	745.9	693.6	639.0	641.3	643.6	618.6
37.5°	1105.2	1055.2	1021.1	987.0	877.8	768.7	711.8	655.0	673.2	689.1	661.8
40°	1134.8	1107.5	1087.1	1066.6	950.6	832.3	766.4	698.2	707.3	714.1	705.0
42.5°	1209.9	1205.3	1193.9	1180.3	1041.6	900.6	821.0	741.4	750.5	757.3	752.8
45°	1389.5	1382.7	1382.7	1380.4	1200.8	1018.8	914.2	809.6	818.7	827.8	823.3
47.5°	1621.5	1610.1	1596.5	1580.6	1389.5	1196.2	1046.1	893.8	893.8	893.8	900.6
50°	1864.8	1848.9	1819.3	1787.5	1594.2	1400.9	1209.9	1018.8	998.4	975.6	1000.6
52.5°	2117.3	2090.0	2039.9	1987.6	1817.1	1646.5	1430.5	1212.1	1150.7	1087.1	1118.9
55°	2253.7	2224.1	2190.0	2153.6	2014.9	1873.9	1653.3	1432.7	1337.2	1239.4	1273.5
57.5°	2365.1	2358.3	2342.4	2326.5	2219.6	2112.7	1892.1	1669.2	1539.6	1410.0	1439.6
60°	2517.5	2508.4	2515.2	2522.1	2440.2	2358.3	2149.1	1937.6	1771.6	1603.3	1594.2
62.5°	2631.2	2628.9	2663.1	2697.2	2654.0	2608.5	2374.2	2137.7	1976.3	1812.5	1767.0
65°	2526.6	2556.2	2683.5	2810.9	2804.1	2795.0	2576.6	2356.0	2196.9	2035.4	1976.3
67.5°	2306.0	2319.7	2508.4	2694.9	2776.8	2856.4	2701.7	2544.8	2419.7	2292.4	2183.2
70°	2099.1	2128.6	2294.6	2460.7	2672.2	2883.7	2760.8	2638.0	2613.0	2585.7	2444.7
72.5°	1898.9	1951.2	2105.9	2260.5	2542.5	2822.2	2749.5	2676.7	2774.5	2872.3	2704.0
75°	1214.4	1225.8	1519.1	1810.2	2167.3	2522.1	2615.3	2708.5	2924.6	3140.6	2947.3
77.5°	354.8	393.4	614.0	834.6	1244.0	1651.1	1969.4	2287.8	2708.5	3129.3	2892.7
80°	120.5	129.6	161.5	191.0	409.4	627.7	996.1	1362.2	1851.2	2340.1	2174.1
82.5°	59.1	61.4	77.3	91.0	138.7	186.5	375.2	561.7	907.4	1250.8	1280.4
85°	18.2	18.2	27.3	36.4	59.1	81.9	141.0	197.9	313.8	427.5	361.6
87.5°	4.5	4.5	6.8	9.1	13.6	18.2	18.2	18.2	13.6	9.1	11.4
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°	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9
2.5°	568.5	568.5	568.5	566.3	561.7	559.4	554.9	550.4	545.8	543.5	539.0
5°	500.3	529.9	557.2	559.4	559.4	552.6	545.8	539.0	532.2	525.3	518.5
7.5°	514.0	498.0	482.1	484.4	486.7	484.4	479.9	468.5	459.4	441.2	420.7
10°	411.6	400.3	386.6	391.2	395.7	407.1	418.4	409.4	395.7	361.6	325.2
12.5°	404.8	402.5	398.0	363.9	327.5	345.7	361.6	352.5	338.9	304.7	268.4
15°	345.7	347.9	347.9	382.1	416.2	429.8	441.2	429.8	413.9	368.4	320.7
17.5°	445.7	423.0	400.3	386.6	370.7	375.2	379.8	329.8	345.7	316.1	284.3
20°	461.7	386.6	311.6	373.0	434.4	454.8	475.3	463.9	443.5	370.7	295.6
22.5°	420.7	448.0	475.3	436.6	398.0	373.0	345.7	334.3	320.7	288.8	257.0
25°	520.8	445.7	368.4	441.2	511.7	516.2	520.8	500.3	477.6	386.6	295.6
27.5°	466.2	491.2	514.0	529.9	545.8	566.3	586.7	564.0	509.4	402.5	293.4
30°	554.9	589.0	623.1	675.4	727.7	743.7	757.3	732.3	689.1	509.4	327.5
32.5°	579.9	648.1	716.4	736.8	755.0	775.5	796.0	775.5	723.2	504.9	284.3
35°	648.1	695.9	741.4	773.2	805.1	823.3	841.4	827.8	757.3	498.0	238.8
37.5°	668.6	732.3	793.7	830.1	864.2	880.1	893.8	893.8	793.7	493.5	191.0
40°	700.4	780.0	859.6	893.8	925.6	950.6	973.3	982.4	834.6	491.2	145.5
42.5°	764.1	834.6	905.1	959.7	1012.0	1048.4	1084.8	1091.6	882.4	498.0	111.4
45°	832.3	907.4	982.4	1055.2	1128.0	1180.3	1230.3	1225.8	939.2	516.2	91.0
47.5°	930.1	1000.6	1071.1	1193.9	1314.5	1364.5	1412.3	1380.4	998.4	539.0	79.6
50°	1030.2	1116.6	1203.0	1360.0	1514.6	1560.1	1603.3	1537.3	1055.2	566.3	75.0
52.5°	1159.8	1262.2	1364.5	1544.2	1723.8	1764.8	1805.7	1671.5	1098.4	584.5	70.5
55°	1312.2	1444.1	1576.0	1746.6	1914.9	1962.6	2010.4	1803.4	1118.9	593.6	68.2
57.5°	1496.4	1648.8	1798.9	1955.8	2110.4	2176.4	2240.1	1933.0	1128.0	595.8	63.7
60°	1676.1	1844.4	2012.6	2146.8	2281.0	2383.3	2483.4	2060.4	1123.4	591.3	56.9
62.5°	1842.1	2028.6	2212.8	2337.9	2462.9	2585.7	2708.5	2162.7	1093.9	570.8	45.5
65°	2014.9	2212.8	2408.3	2517.5	2626.7	2785.9	2942.8	2251.4	1052.9	543.5	31.8
67.5°	2171.8	2360.6	2549.3	2672.2	2795.0	2951.9	3106.5	2274.2	993.8	509.4	22.7
70°	2303.7	2508.4	2710.8	2835.9	2961.0	3040.6	3117.9	2174.1	875.6	445.7	15.9
72.5°	2485.7	2669.9	2851.8	2915.5	2976.9	2838.2	2697.2	1812.5	657.2	336.6	13.6
75°	2649.4	2738.1	2824.5	2688.1	2551.6	2178.7	1805.7	1141.6	320.7	168.3	13.6
77.5°	2483.4	2435.6	2387.9	1969.4	1548.7	1150.7	750.5	448.0	100.1	54.6	9.1
80°	1798.9	1580.6	1360.0	941.5	520.8	347.9	172.8	100.1	25.0	15.9	6.8
82.5°	968.8	748.2	525.3	338.9	152.4	102.3	50.0	34.1	11.4	9.1	4.5
85°	350.2	277.4	202.4	156.9	111.4	66.0	18.2	11.4	6.8	6.8	4.5
87.5°	31.8	36.4	40.9	31.8	20.5	13.6	4.5	4.5	4.5	4.5	2.3
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°	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9	554.9
2.5°	536.7	534.4	532.2	527.6	525.3	523.1	507.1	491.2	473.0	454.8	454.8
5°	488.9	459.4	443.5	427.5	416.2	404.8	402.5	398.0	393.4	388.9	386.6
7.5°	409.4	398.0	388.9	379.8	368.4	357.0	345.7	334.3	325.2	316.1	295.6
10°	307.0	288.8	275.2	261.5	254.7	245.6	232.0	216.0	216.0	216.0	213.8
12.5°	266.1	263.8	229.7	193.3	181.9	170.6	168.3	166.0	161.5	154.6	145.5
15°	263.8	204.7	175.1	143.3	136.5	127.4	113.7	97.8	95.5	91.0	102.3
17.5°	238.8	193.3	159.2	125.1	100.1	75.0	79.6	81.9	93.2	102.3	109.2
20°	216.0	136.5	113.7	88.7	81.9	72.8	77.3	81.9	79.6	75.0	86.4
22.5°	202.4	145.5	106.9	68.2	72.8	77.3	72.8	66.0	77.3	88.7	95.5
25°	195.6	93.2	84.1	72.8	68.2	63.7	72.8	79.6	75.0	70.5	84.1
27.5°	193.3	93.2	79.6	63.7	68.2	72.8	70.5	66.0	75.0	81.9	79.6
30°	206.9	84.1	75.0	66.0	63.7	61.4	66.0	70.5	70.5	68.2	79.6
32.5°	184.2	84.1	75.0	63.7	63.7	61.4	61.4	61.4	68.2	75.0	79.6
35°	159.2	77.3	70.5	61.4	59.1	56.9	59.1	59.1	66.0	70.5	79.6
37.5°	131.9	72.8	66.0	56.9	54.6	52.3	52.3	50.0	56.9	63.7	70.5
40°	106.9	68.2	61.4	52.3	50.0	47.8	47.8	47.8	52.3	54.6	59.1
42.5°	88.7	63.7	56.9	47.8	45.5	43.2	43.2	40.9	43.2	45.5	47.8
45°	77.3	61.4	54.6	45.5	43.2	38.7	36.4	34.1	34.1	34.1	34.1
47.5°	68.2	56.9	52.3	45.5	40.9	34.1	31.8	27.3	25.0	22.7	20.5
50°	63.7	52.3	47.8	40.9	36.4	29.6	25.0	20.5	18.2	13.6	13.6
52.5°	59.1	47.8	43.2	36.4	29.6	22.7	18.2	11.4	11.4	9.1	9.1
55°	56.9	45.5	38.7	31.8	25.0	15.9	11.4	6.8	6.8	4.5	4.5
57.5°	54.6	43.2	36.4	27.3	18.2	9.1	6.8	4.5	4.5	4.5	4.5
60°	47.8	38.7	29.6	18.2	11.4	4.5	4.5	2.3	4.5	4.5	4.5
62.5°	38.7	29.6	20.5	11.4	6.8	2.3	2.3	2.3	4.5	4.5	4.5
65°	27.3	20.5	13.6	6.8	4.5	2.3	2.3	2.3	2.3	2.3	2.3
67.5°	20.5	15.9	11.4	4.5	4.5	2.3	2.3	2.3	2.3	2.3	2.3
70°	13.6	11.4	9.1	4.5	4.5	2.3	2.3	2.3	2.3	2.3	2.3
72.5°	11.4	9.1	6.8	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3
75°	11.4	9.1	6.8	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3
77.5°	9.1	6.8	4.5	2.3	2.3	0.0	2.3	4.5	4.5	4.5	4.5
80°	6.8	4.5	4.5	2.3	2.3	0.0	2.3	4.5	4.5	4.5	4.5
82.5°	4.5	4.5	4.5	2.3	2.3	0.0	4.5	6.8	6.8	4.5	4.5
85°	4.5	2.3	2.3	2.3	2.3	2.3	4.5	6.8	6.8	6.8	4.5
87.5°	2.3	2.3	2.3	2.3	2.3	2.3	4.5	6.8	6.8	6.8	4.5
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°	554.9	554.9	554.9	554.9
2.5°	452.6	452.6	450.3	450.3
5°	382.1	382.1	379.8	379.8
7.5°	275.2	270.6	263.8	266.1
10°	211.5	206.9	202.4	206.9
12.5°	136.5	138.7	138.7	131.9
15°	111.4	120.5	127.4	127.4
17.5°	116.0	116.0	113.7	113.7
20°	97.8	106.9	116.0	116.0
22.5°	100.1	95.5	91.0	91.0
25°	95.5	102.3	106.9	106.9
27.5°	77.3	79.6	81.9	81.9
30°	88.7	93.2	95.5	95.5
32.5°	84.1	88.7	91.0	93.2
35°	86.4	91.0	93.2	93.2
37.5°	77.3	79.6	81.9	81.9
40°	61.4	63.7	66.0	66.0
42.5°	47.8	47.8	45.5	47.8
45°	31.8	31.8	29.6	31.8
47.5°	18.2	18.2	18.2	18.2
50°	11.4	11.4	11.4	11.4
52.5°	6.8	6.8	6.8	6.8
55°	4.5	4.5	4.5	4.5
57.5°	4.5	4.5	2.3	2.3
60°	2.3	2.3	2.3	2.3
62.5°	2.3	2.3	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°	2.3	2.3	0.0	0.0
77.5°	2.3	2.3	0.0	0.0
80°	2.3	2.3	0.0	0.0
82.5°	2.3	2.3	0.0	0.0
85°	2.3	2.3	2.3	0.0
87.5°	2.3	2.3	2.3	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)