

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: P560886

Luminaire Tested: **SDL-PA1-70-730-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-730-U-T2R-A
Description: Springdale
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6345.4 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U3 - 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

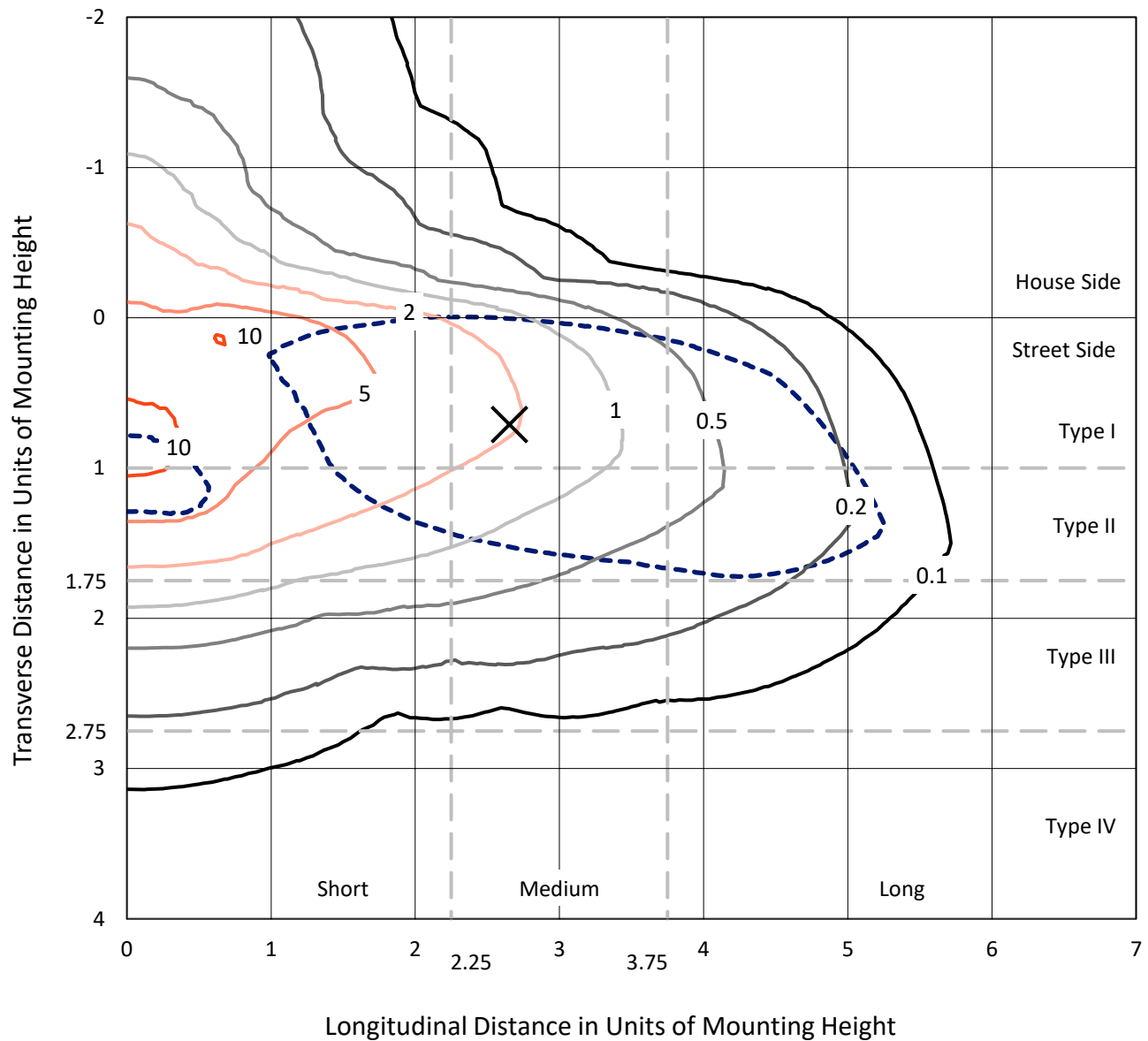


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

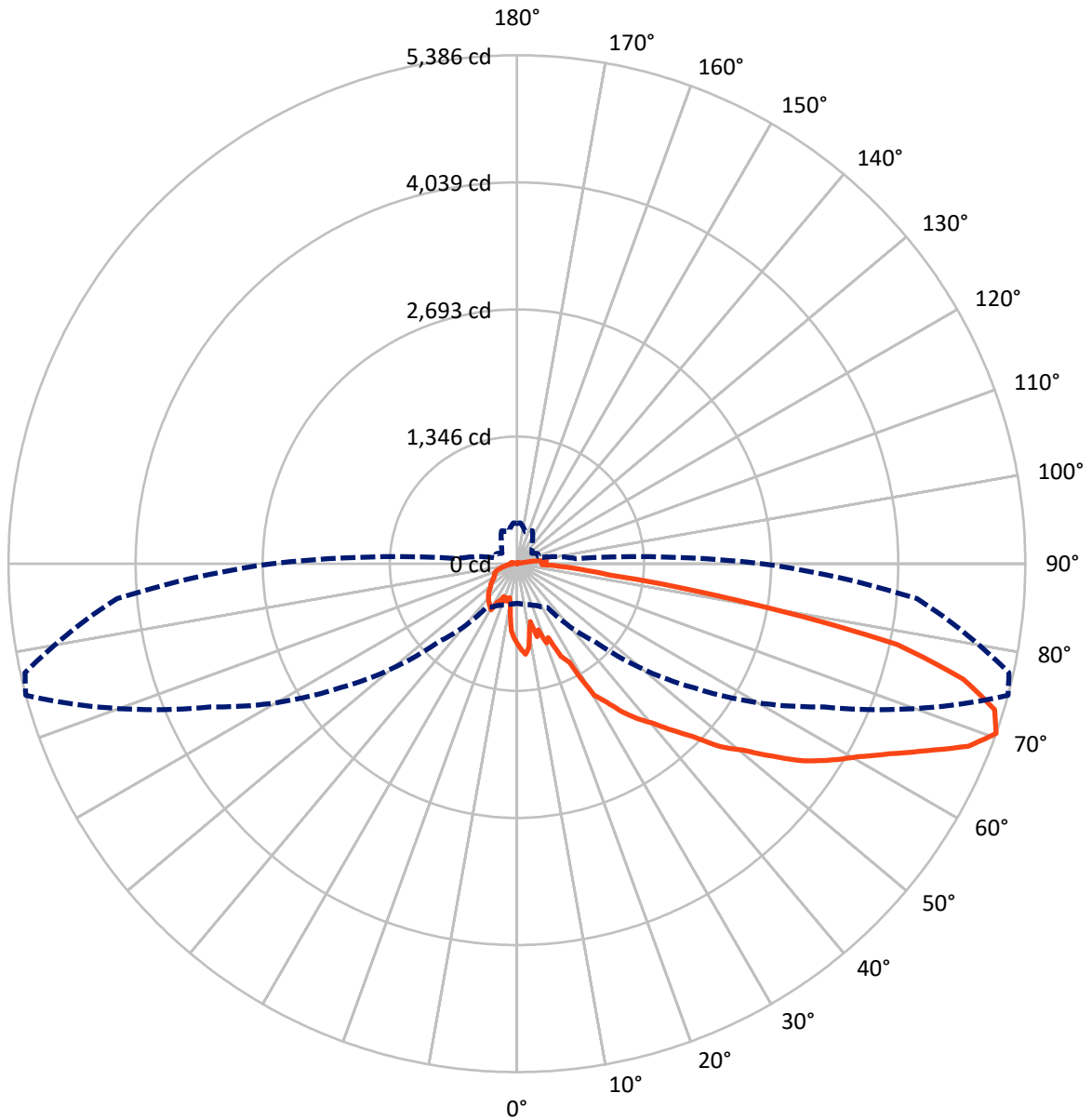


Based on 10 foot mounting height. Maximum calculated value = 13.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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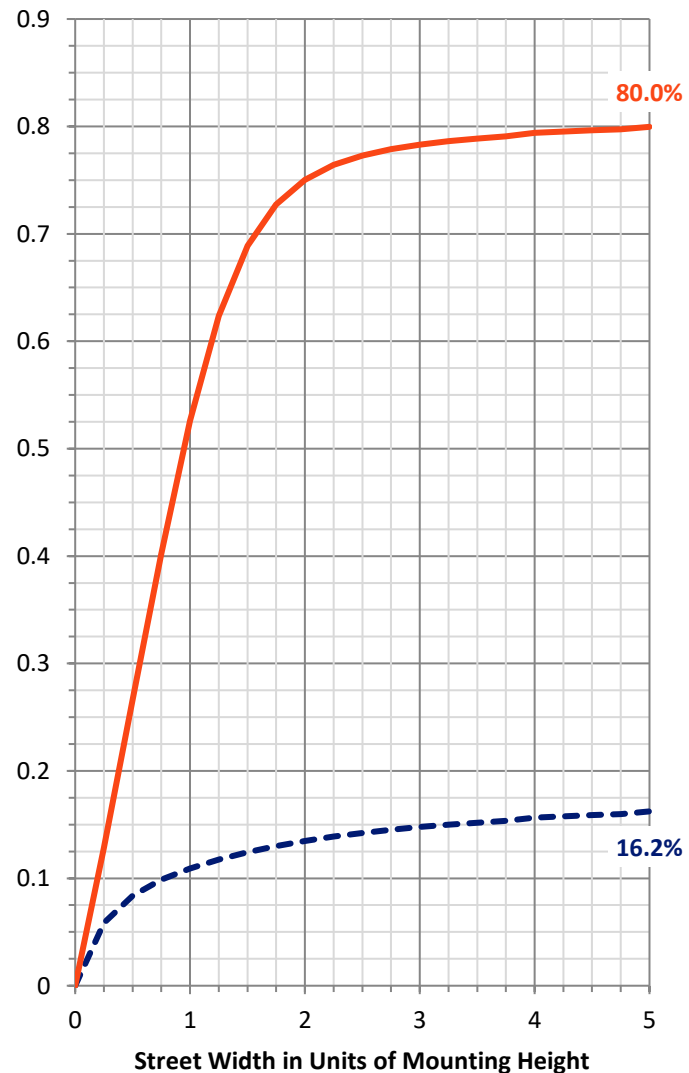
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1084.8	64.9	1149.6
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	5113.7	82.1	5195.8
	% Fixture	80.6	1.3	81.9
Total	Lumens	6198.4	147.0	6345.4
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.8	1.1
10°-20°	185.1	2.9
20°-30°	334.1	5.3
30°-40°	682.8	10.8
40°-50°	1072.2	16.9
50°-60°	1316.6	20.7
60°-70°	1309.5	20.6
70°-80°	968.6	15.3
80°-90°	258.8	4.1
90°-100°	95.7	1.5
100°-110°	22.4	0.4
110°-120°	10.6	0.2
120°-130°	9.5	0.1
130°-140°	4.6	0.1
140°-150°	2.3	0.0
150°-160°	2.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6198.4	97.7
0°-180°	6345.4	100.0



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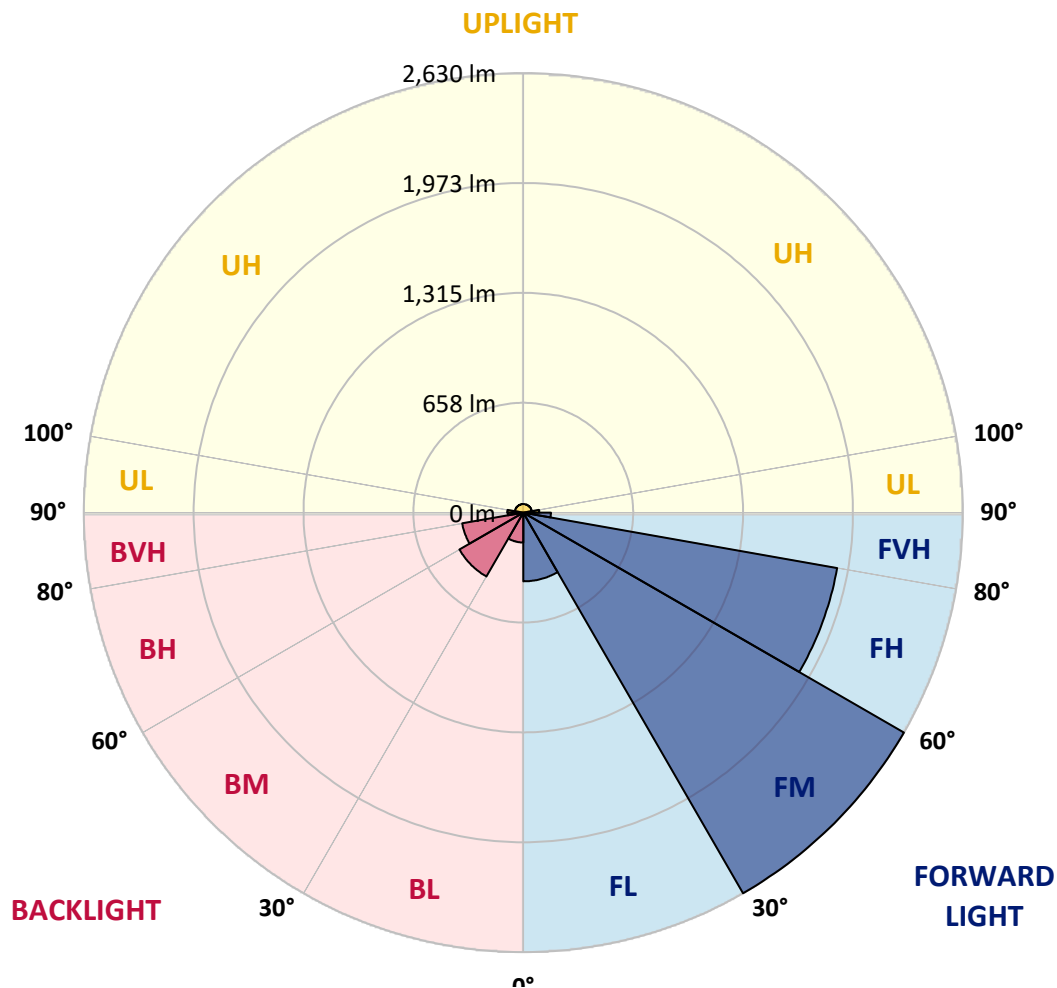
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	411.3	6.5			
FM	(30°-60°)	2630.2	41.5			
FH	(60°-80°)	1906.9	30.1			G2/5000
FVH	(80°-90°)	165.2	2.6			G2/225
BL	(0°-30°)	178.8	2.8	B1/500		
BM	(30°-60°)	441.4	7.0	B1/1000		
BH	(60°-80°)	371.1	5.8	B1/500		G1/500
BVH	(80°-90°)	93.6	1.5			G1/100
UL	(90°-100°)	95.7	1.5		U3/500	
UH	(100°-180°)	51.3	0.8		U3/500	

BUG Rating: B1-U3-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	850.5	850.5	850.5	850.5	850.5	850.5	850.5	850.5	850.5	850.5	850.5
2.5°	882.8	932.4	954.7	979.5	1001.8	989.4	969.5	939.8	912.5	902.6	872.8
5°	974.5	969.5	967.1	959.6	947.2	924.9	897.6	1004.3	962.1	944.7	895.2
7.5°	858.0	994.3	1009.2	1024.1	1019.1	991.9	957.1	860.4	897.6	875.3	813.3
10°	1048.9	1048.9	1043.9	1048.9	991.9	947.2	810.8	753.8	726.5	786.1	729.0
12.5°	892.7	972.0	1071.2	1091.0	1004.3	880.3	823.2	796.0	627.4	619.9	664.5
15°	1039.0	1051.4	1053.9	1058.8	855.5	922.4	761.3	706.7	800.9	778.6	786.1
17.5°	835.6	848.0	1009.2	999.3	920.0	736.5	890.2	798.4	736.5	709.2	699.3
20°	1051.4	1053.9	1046.4	845.6	887.7	962.1	833.2	808.4	897.6	895.2	858.0
22.5°	895.2	897.6	924.9	1019.1	917.5	972.0	838.1	1009.2	850.5	853.0	662.1
25°	1197.7	1200.2	1175.4	907.6	1031.5	912.5	1016.7	907.6	1086.1	1051.4	969.5
27.5°	1257.2	1165.4	1071.2	1125.8	984.4	1133.2	967.1	1098.5	1180.3	1172.9	1185.3
30°	1594.4	1599.4	1534.9	1232.4	1153.0	1118.3	1115.8	1304.3	1616.7	1629.1	1423.3
32.5°	2159.8	2130.0	1812.6	1520.0	1242.3	1363.8	1252.2	1510.1	1748.2	1740.7	1525.0
35°	2417.7	2387.9	2268.9	1877.1	1435.7	1472.9	1413.4	1606.8	1929.2	1872.1	1626.7
37.5°	2635.9	2630.9	2531.7	2068.0	1631.6	1686.2	1510.1	1725.8	2085.4	2025.9	1730.8
40°	2824.3	2807.0	2720.2	2239.1	1832.5	1834.9	1631.6	1869.7	2224.3	2239.1	1832.5
42.5°	2980.5	2965.7	2893.8	2410.2	1951.5	1966.4	1760.6	2016.0	2410.2	2437.5	1991.2
45°	3045.0	3052.5	3002.9	2564.0	2058.1	2085.4	1914.3	2164.7	2608.6	2630.9	2132.5
47.5°	3092.1	3094.6	3082.2	2690.4	2172.2	2184.6	2065.6	2298.6	2896.2	2851.6	2298.6
50°	2985.5	2975.6	2988.0	2787.1	2271.4	2286.2	2192.0	2437.5	3102.1	3045.0	2472.2
52.5°	2705.3	2717.7	2846.6	2737.5	2303.6	2333.4	2311.0	2559.0	3387.2	3342.6	2720.2
55°	2001.1	2055.6	2427.6	2534.2	2301.1	2353.2	2420.1	2789.6	3687.3	3620.3	2931.0
57.5°	1619.2	1619.2	1837.4	2187.1	2174.7	2340.8	2531.7	2945.8	3925.3	3878.2	3141.7
60°	1299.3	1299.3	1418.4	1735.8	1929.2	2278.8	2645.8	3176.4	4150.9	4123.7	3327.7
62.5°	1019.1	1016.7	1115.8	1294.4	1582.0	2142.4	2705.3	3374.8	4433.6	4428.7	3625.3
65°	736.5	746.4	830.7	942.3	1242.3	1887.0	2702.8	3553.3	4773.3	4788.2	3960.0
67.5°	545.5	550.5	597.6	679.4	853.0	1564.7	2583.8	3677.3	5157.7	5132.9	4173.3
70°	419.1	426.5	446.3	488.5	567.8	1163.0	2296.2	3590.5	5385.8	5338.7	4252.6
72.5°	352.1	354.6	352.1	374.4	379.4	788.5	1839.9	3260.7	5291.6	5217.2	4034.4
75°	300.0	297.6	295.1	300.0	280.2	520.7	1319.2	2759.9	4884.9	4756.0	3563.3
77.5°	257.9	255.4	245.5	248.0	223.2	384.3	900.1	2164.7	4116.2	3813.7	2678.0
80°	213.3	213.3	205.8	205.8	188.5	292.6	575.3	1492.8	2397.8	2157.3	1393.6
82.5°	166.1	163.7	163.7	168.6	161.2	228.1	376.9	743.9	989.4	927.4	652.1
85°	89.3	89.3	101.7	114.1	111.6	138.9	287.6	438.9	585.2	565.4	364.5
87.5°	27.3	27.3	29.8	37.2	39.7	74.4	181.0	213.3	265.3	292.6	287.6
90°	29.8	27.3	19.8	22.3	24.8	54.6	168.6	205.8	267.8	297.6	305.0
92.5°	34.7	32.2	19.8	19.8	24.8	44.6	161.2	200.9	292.6	322.4	329.8
95°	37.2	34.7	19.8	19.8	24.8	39.7	143.8	198.4	312.4	352.1	352.1
97.5°	34.7	32.2	14.9	17.4	22.3	34.7	111.6	163.7	218.2	240.5	277.7
100°	29.8	29.8	9.9	14.9	19.8	24.8	64.5	89.3	64.5	62.0	62.0
102.5°	27.3	27.3	9.9	12.4	14.9	17.4	29.8	47.1	14.9	17.4	22.3
105°	27.3	29.8	7.4	9.9	9.9	9.9	14.9	24.8	12.4	14.9	22.3
107.5°	27.3	29.8	7.4	7.4	9.9	7.4	7.4	9.9	12.4	14.9	24.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	17.4	17.4	5.0	7.4	7.4	7.4	5.0	7.4	12.4	17.4	24.8
115°	12.4	9.9	5.0	7.4	5.0	7.4	5.0	7.4	12.4	17.4	22.3
117.5°	9.9	7.4	5.0	5.0	5.0	5.0	2.5	7.4	14.9	19.8	27.3
120°	9.9	9.9	5.0	5.0	5.0	5.0	2.5	7.4	22.3	24.8	34.7
122.5°	9.9	9.9	5.0	5.0	5.0	5.0	2.5	5.0	19.8	27.3	37.2
125°	9.9	9.9	5.0	5.0	5.0	5.0	2.5	5.0	17.4	24.8	32.2
127.5°	9.9	9.9	5.0	2.5	5.0	5.0	5.0	5.0	14.9	19.8	27.3
130°	9.9	9.9	5.0	2.5	5.0	5.0	5.0	5.0	12.4	14.9	22.3
132.5°	7.4	7.4	5.0	2.5	5.0	2.5	2.5	5.0	9.9	12.4	17.4
135°	5.0	5.0	5.0	2.5	5.0	2.5	2.5	2.5	5.0	7.4	12.4
137.5°	2.5	5.0	2.5	2.5	5.0	2.5	2.5	2.5	2.5	2.5	5.0
140°	2.5	2.5	2.5	2.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	2.5	2.5	2.5	2.5	5.0	5.0	2.5	2.5	2.5	2.5	2.5
145°	2.5	2.5	2.5	2.5	7.4	5.0	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	9.9	7.4	5.0	2.5	2.5	2.5	2.5	2.5
150°	12.4	12.4	12.4	9.9	7.4	5.0	7.4	2.5	2.5	2.5	2.5
152.5°	12.4	12.4	14.9	7.4	5.0	2.5	2.5	9.9	7.4	5.0	5.0
155°	9.9	7.4	7.4	2.5	2.5	2.5	2.5	2.5	7.4	9.9	9.9
157.5°	2.5	2.5	5.0	2.5	2.5	2.5	2.5	2.5	5.0	2.5	2.5
160°	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	850.5	850.5	850.5	850.5	850.5	850.5	850.5	850.5	850.5	850.5	850.5
2.5°	855.5	835.6	788.5	753.8	711.7	674.5	642.2	570.3	557.9	550.5	548.0
5°	855.5	813.3	721.6	610.0	523.2	503.4	493.5	493.5	488.5	491.0	493.5
7.5°	758.8	701.7	562.9	476.1	491.0	491.0	493.5	481.1	441.4	446.3	438.9
10°	664.5	592.6	424.0	386.8	424.0	426.5	483.5	505.9	513.3	515.8	515.8
12.5°	612.5	510.8	367.0	379.4	342.2	391.8	461.2	515.8	468.7	443.9	443.9
15°	704.2	605.0	411.6	332.3	337.2	391.8	349.6	488.5	505.9	510.8	510.8
17.5°	632.3	533.1	376.9	342.2	376.9	322.4	394.3	448.8	429.0	406.7	404.2
20°	758.8	629.8	421.5	334.8	332.3	381.9	349.6	367.0	458.7	461.2	458.7
22.5°	590.2	503.4	374.4	379.4	332.3	364.5	344.7	379.4	362.0	359.6	362.0
25°	818.3	652.1	431.5	327.3	347.2	322.4	347.2	319.9	384.3	389.3	391.8
27.5°	1001.8	778.6	458.7	354.6	302.5	329.8	310.0	319.9	297.6	310.0	314.9
30°	1192.7	907.6	560.4	391.8	319.9	282.7	287.6	285.2	322.4	319.9	314.9
32.5°	1254.7	924.9	535.6	409.1	317.4	285.2	262.8	280.2	307.5	329.8	332.3
35°	1316.7	937.3	515.8	391.8	310.0	267.8	257.9	287.6	310.0	312.4	319.9
37.5°	1388.6	947.2	495.9	367.0	287.6	262.8	255.4	267.8	317.4	312.4	305.0
40°	1455.6	952.2	471.1	344.7	262.8	257.9	238.0	267.8	280.2	290.1	295.1
42.5°	1574.6	981.9	451.3	324.8	245.5	245.5	228.1	250.4	287.6	292.6	290.1
45°	1661.4	972.0	424.0	307.5	228.1	218.2	223.2	272.8	290.1	319.9	314.9
47.5°	1785.4	996.8	391.8	280.2	213.3	200.9	210.8	265.3	297.6	319.9	324.8
50°	1906.9	991.9	364.5	257.9	203.3	190.9	233.1	257.9	292.6	329.8	329.8
52.5°	2065.6	999.3	352.1	238.0	190.9	190.9	240.5	260.4	300.0	324.8	324.8
55°	2206.9	972.0	322.4	230.6	188.5	183.5	243.0	270.3	302.5	324.8	327.3
57.5°	2311.0	917.5	300.0	223.2	186.0	188.5	243.0	292.6	282.7	324.8	332.3
60°	2425.1	858.0	280.2	223.2	186.0	195.9	250.4	310.0	310.0	339.7	339.7
62.5°	2581.3	820.8	270.3	225.6	181.0	203.3	272.8	337.2	312.4	359.6	362.0
65°	2712.7	771.2	262.8	235.6	183.5	213.3	285.2	359.6	327.3	381.9	379.4
67.5°	2715.2	696.8	252.9	245.5	186.0	220.7	285.2	374.4	344.7	401.7	394.3
70°	2596.2	622.4	238.0	245.5	193.4	228.1	285.2	384.3	347.2	433.9	426.5
72.5°	2340.8	508.3	215.7	235.6	205.8	238.0	300.0	381.9	347.2	468.7	461.2
75°	1991.2	406.7	186.0	215.7	205.8	250.4	310.0	379.4	334.8	446.3	431.5
77.5°	1515.1	332.3	156.2	188.5	195.9	255.4	310.0	374.4	324.8	416.6	406.7
80°	781.1	233.1	126.5	161.2	183.5	250.4	307.5	354.6	290.1	369.5	364.5
82.5°	429.0	171.1	101.7	119.0	153.7	235.6	297.6	319.9	255.4	302.5	290.1
85°	277.7	124.0	81.8	96.7	128.9	195.9	250.4	252.9	181.0	218.2	205.8
87.5°	208.3	71.9	52.1	59.5	89.3	109.1	158.7	163.7	114.1	133.9	126.5
90°	218.2	71.9	54.6	62.0	79.3	81.8	116.5	124.0	89.3	101.7	101.7
92.5°	233.1	71.9	57.0	64.5	71.9	64.5	91.7	101.7	74.4	81.8	79.3
95°	238.0	69.4	62.0	67.0	64.5	52.1	74.4	81.8	62.0	62.0	62.0
97.5°	173.6	49.6	62.0	67.0	59.5	42.2	57.0	64.5	39.7	32.2	32.2
100°	47.1	24.8	59.5	64.5	52.1	34.7	49.6	49.6	24.8	17.4	17.4
102.5°	19.8	19.8	52.1	57.0	39.7	22.3	34.7	34.7	17.4	7.4	7.4
105°	19.8	14.9	37.2	42.2	27.3	12.4	17.4	19.8	12.4	7.4	7.4
107.5°	19.8	14.9	17.4	22.3	12.4	9.9	9.9	9.9	7.4	7.4	7.4



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	24.8	17.4	9.9	12.4	9.9	7.4	7.4	7.4	9.9	22.3	22.3
115°	22.3	14.9	9.9	9.9	7.4	7.4	5.0	5.0	9.9	27.3	27.3
117.5°	24.8	17.4	9.9	9.9	7.4	5.0	5.0	5.0	12.4	32.2	32.2
120°	29.8	19.8	9.9	7.4	5.0	5.0	5.0	5.0	14.9	34.7	34.7
122.5°	32.2	22.3	9.9	7.4	5.0	2.5	5.0	7.4	17.4	34.7	34.7
125°	27.3	19.8	9.9	7.4	5.0	2.5	5.0	7.4	17.4	32.2	34.7
127.5°	24.8	17.4	9.9	5.0	5.0	2.5	2.5	7.4	14.9	24.8	29.8
130°	19.8	14.9	7.4	5.0	5.0	2.5	2.5	5.0	14.9	22.3	27.3
132.5°	17.4	12.4	7.4	5.0	5.0	2.5	2.5	5.0	14.9	19.8	19.8
135°	12.4	9.9	5.0	5.0	5.0	2.5	5.0	2.5	9.9	17.4	17.4
137.5°	7.4	5.0	5.0	5.0	5.0	2.5	2.5	2.5	7.4	9.9	9.9
140°	2.5	2.5	5.0	5.0	5.0	2.5	2.5	2.5	5.0	5.0	5.0
142.5°	2.5	2.5	5.0	5.0	5.0	2.5	2.5	2.5	5.0	5.0	5.0
145°	2.5	2.5	2.5	5.0	5.0	2.5	2.5	2.5	2.5	2.5	5.0
147.5°	2.5	2.5	2.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5	5.0
150°	2.5	2.5	2.5	5.0	5.0	2.5	2.5	5.0	5.0	5.0	5.0
152.5°	2.5	2.5	5.0	5.0	2.5	2.5	2.5	5.0	5.0	5.0	5.0
155°	7.4	7.4	5.0	5.0	2.5	2.5	0.0	2.5	5.0	5.0	5.0
157.5°	2.5	2.5	5.0	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
160°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670245982



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110°	24.8	24.8	5.0	7.4	7.4	7.4	5.0	7.4	12.4	17.4	24.8
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110°	22.3	14.9	9.9	12.4	9.9	7.4	7.4	7.4	7.4	9.9	12.4
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(END OF REPORT)