

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: P560722

Luminaire Tested: **SDL-PA1-60-730-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560722
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-730-U-T4W-A
Description: Springdale
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6297.1 lumens
Efficiency: N/A
Efficacy: 100.9 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 - U3 - G3

Input Watts (W): 62.4
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



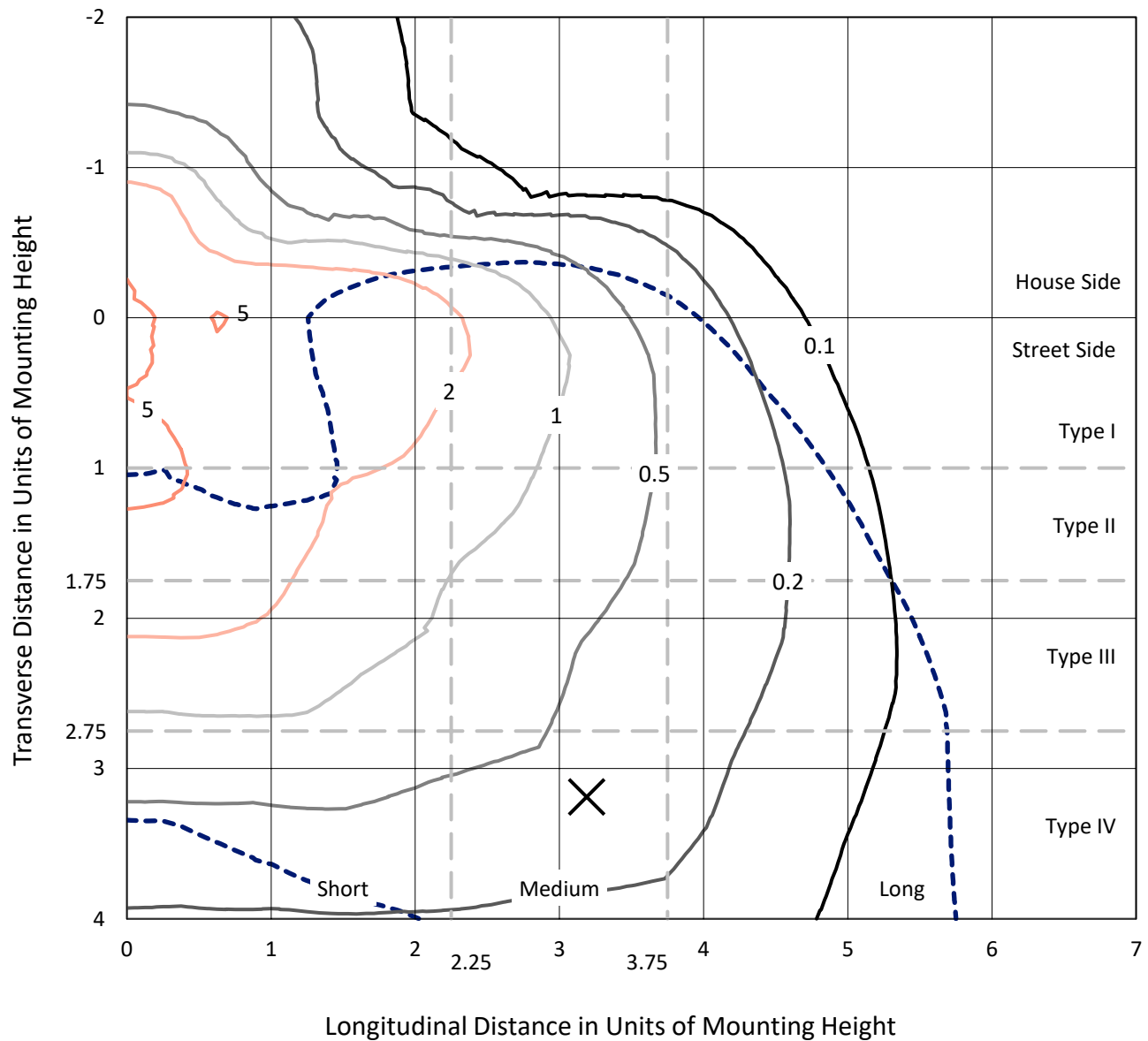
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

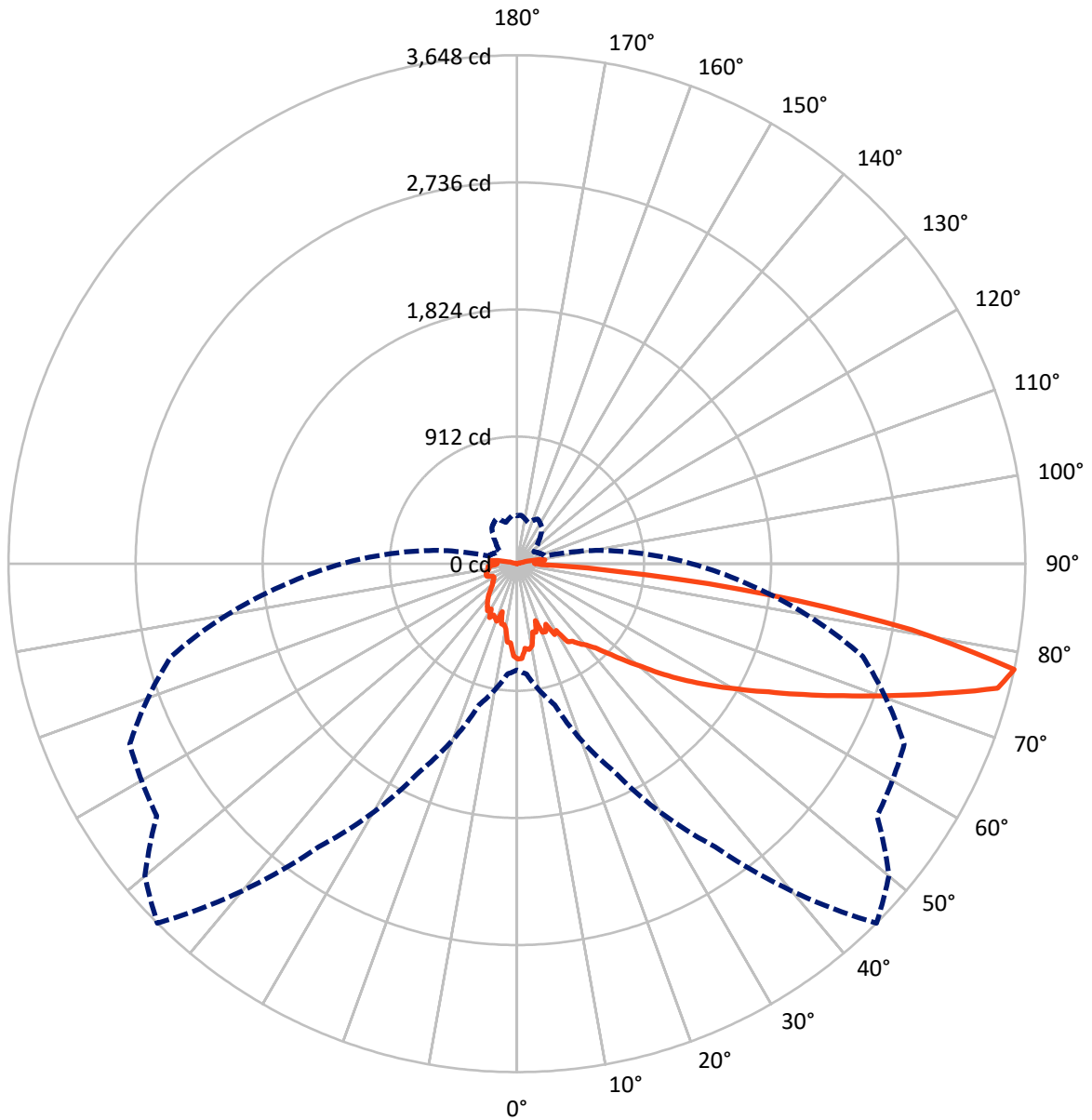


Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 77.5-Deg Vertical

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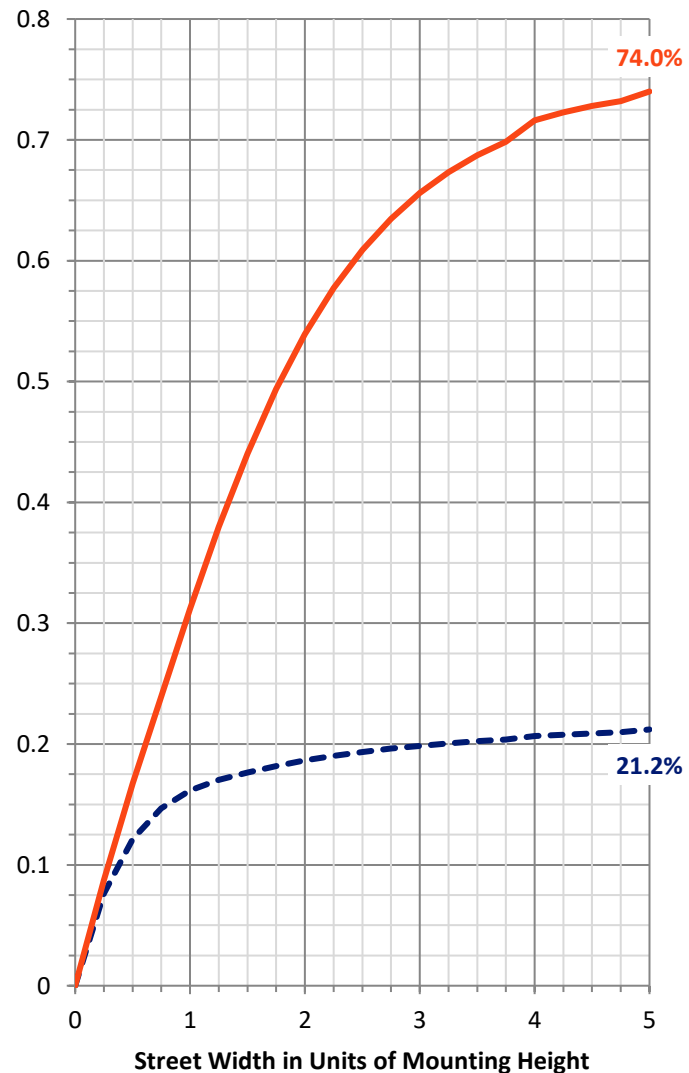
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1409.4	105.2	1514.6
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	4697.4	85.1	4782.5
	% Fixture	74.6	1.4	75.9
Total	Lumens	6106.9	190.2	6297.1
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	0.9
10°-20°	140.8	2.2
20°-30°	243.5	3.9
30°-40°	431.5	6.9
40°-50°	668.9	10.6
50°-60°	1076.8	17.1
60°-70°	1583.6	25.1
70°-80°	1524.7	24.2
80°-90°	380.2	6.0
90°-100°	141.8	2.3
100°-110°	31.4	0.5
110°-120°	6.8	0.1
120°-130°	5.6	0.1
130°-140°	2.4	0.0
140°-150°	1.0	0.0
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6106.9	97.0
0°-180°	6297.1	100.0

Coefficient of Utilization



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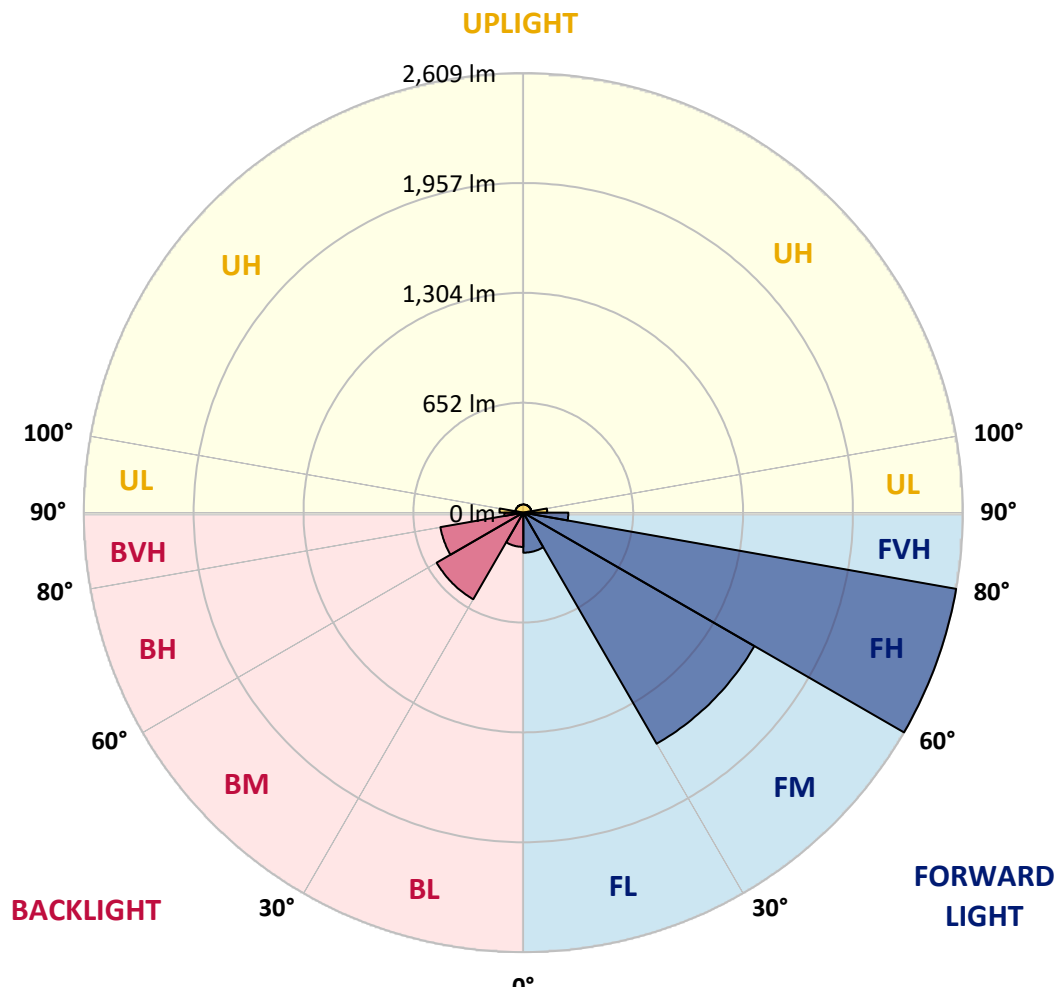
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	237.7	3.8			
FM	(30°-60°)	1583.8	25.2			
FH	(60°-80°)	2608.9	41.4			G2/5000
FVH	(80°-90°)	267.1	4.2			G3/500
BL	(0°-30°)	203.4	3.2	B1/500		
BM	(30°-60°)	593.4	9.4	B1/1000		
BH	(60°-80°)	499.4	7.9	B1/500		G1/500
BVH	(80°-90°)	113.2	1.8			G2/225
UL	(90°-100°)	141.8	2.3		U3/500	
UH	(100°-180°)	48.4	0.8		U2/50	

BUG Rating: B1-U3-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	683.6	683.6	683.6	683.6	683.6	683.6	683.6	683.6	683.6	683.6	683.6
2.5°	621.7	681.1	671.2	678.7	678.7	681.1	683.6	683.6	686.1	683.6	683.6
5°	634.1	631.6	626.6	621.7	616.7	609.3	609.3	609.3	668.8	673.7	668.8
7.5°	592.0	644.0	639.0	629.1	629.1	621.7	611.8	601.9	584.5	579.6	587.0
10°	668.8	666.3	658.8	644.0	589.5	599.4	537.5	485.5	465.6	478.0	510.2
12.5°	594.4	636.6	653.9	653.9	584.5	502.8	448.3	478.0	460.7	411.2	448.3
15°	700.9	696.0	676.2	644.0	512.7	510.2	480.5	421.1	428.5	465.6	500.3
17.5°	599.4	599.4	671.2	614.3	527.6	428.5	426.0	473.1	433.4	413.6	433.4
20°	723.2	720.8	698.5	510.2	532.5	525.1	433.4	483.0	413.6	475.6	520.1
22.5°	614.3	609.3	644.0	611.8	507.8	530.0	406.2	458.2	492.9	435.9	403.7
25°	723.2	728.2	718.3	544.9	577.1	480.5	490.4	522.6	453.3	552.3	574.6
27.5°	636.6	636.6	609.3	609.3	535.0	577.1	460.7	490.4	540.0	596.9	700.9
30°	780.2	782.7	765.3	587.0	592.0	554.8	535.0	569.7	648.9	775.3	822.3
32.5°	953.6	953.6	819.8	700.9	594.4	668.8	564.7	621.7	735.6	800.0	861.9
35°	1062.6	1050.2	990.7	787.6	641.5	683.6	639.0	661.3	762.9	857.0	901.6
37.5°	1218.6	1213.7	1154.2	864.4	688.6	728.2	663.8	688.6	812.4	899.1	951.1
40°	1434.1	1409.3	1357.3	998.2	745.5	767.8	693.5	723.2	871.9	953.6	1015.5
42.5°	1605.0	1610.0	1572.8	1156.7	839.7	824.8	745.5	767.8	936.3	1037.8	1107.2
45°	1763.5	1758.6	1766.0	1347.4	956.1	916.4	837.2	839.7	1018.0	1141.8	1236.0
47.5°	1872.5	1870.0	1887.4	1525.7	1104.7	1032.8	938.7	928.8	1112.1	1320.2	1411.8
50°	2003.8	1996.3	1986.4	1716.5	1273.1	1159.2	1072.5	1037.8	1233.5	1520.8	1634.7
52.5°	2164.8	2147.4	2115.2	1865.1	1458.9	1320.2	1223.6	1176.5	1396.9	1746.2	1892.3
55°	2318.3	2293.6	2266.3	2031.0	1629.8	1481.2	1377.1	1349.9	1610.0	1979.0	2167.2
57.5°	2469.4	2457.0	2434.7	2251.5	1847.7	1649.6	1533.2	1528.2	1857.6	2204.4	2462.0
60°	2610.6	2590.8	2620.5	2489.2	2050.8	1827.9	1704.1	1741.2	2130.1	2429.8	2788.9
62.5°	2697.3	2689.9	2754.3	2707.2	2239.1	2026.1	1899.7	1964.1	2392.6	2650.2	3078.7
65°	2568.5	2588.3	2843.4	2843.4	2457.0	2261.4	2137.5	2177.2	2640.3	2873.2	3343.8
67.5°	2333.2	2360.4	2707.2	2920.2	2652.7	2526.4	2397.6	2419.9	2860.8	3054.0	3559.2
70°	2132.6	2152.4	2474.4	2925.2	2776.6	2833.5	2647.8	2627.9	3031.7	3205.1	3638.5
72.5°	1956.7	1984.0	2249.0	2895.4	2897.9	3182.8	2945.0	2826.1	3187.7	3262.0	3385.9
75°	1550.5	1538.1	1837.8	2546.2	2937.5	3564.2	3294.2	3046.5	3264.5	3066.3	2655.2
77.5°	762.9	795.1	1047.7	1639.7	2479.3	3648.4	3484.9	3155.5	3066.3	2568.5	1657.0
80°	225.4	232.8	292.3	587.0	1424.2	2873.2	2878.1	2610.6	2306.0	1501.0	748.0
82.5°	126.3	128.8	168.4	255.1	584.5	1820.5	1894.8	1567.8	1020.5	554.8	374.0
85°	66.9	69.4	86.7	133.8	297.2	725.7	770.3	599.4	492.9	361.6	274.9
87.5°	32.2	32.2	29.7	44.6	109.0	175.9	195.7	222.9	198.1	185.8	227.9
90°	27.2	27.2	22.3	24.8	59.4	126.3	153.6	170.9	156.0	170.9	250.2
92.5°	29.7	29.7	22.3	24.8	64.4	141.2	168.4	190.7	165.9	183.3	277.4
95°	27.2	29.7	19.8	22.3	64.4	173.4	203.1	208.1	170.9	200.6	297.2
97.5°	22.3	22.3	14.9	17.3	57.0	203.1	222.9	215.5	151.1	153.6	237.8
100°	17.3	17.3	9.9	14.9	39.6	163.5	190.7	180.8	99.1	24.8	59.4
102.5°	14.9	14.9	7.4	12.4	17.3	79.3	101.6	99.1	59.4	14.9	12.4
105°	14.9	14.9	7.4	9.9	9.9	22.3	34.7	44.6	24.8	7.4	12.4
107.5°	14.9	14.9	7.4	5.0	5.0	9.9	12.4	12.4	12.4	7.4	14.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	14.9	14.9	5.0	5.0	2.5	5.0	5.0	5.0	5.0	7.4	14.9
115°	12.4	12.4	2.5	5.0	2.5	2.5	5.0	2.5	5.0	5.0	12.4
117.5°	12.4	9.9	2.5	2.5	2.5	2.5	2.5	2.5	5.0	7.4	14.9
120°	12.4	12.4	5.0	2.5	2.5	2.5	2.5	2.5	5.0	9.9	17.3
122.5°	12.4	12.4	5.0	2.5	0.0	2.5	2.5	2.5	5.0	9.9	19.8
125°	14.9	12.4	5.0	2.5	0.0	0.0	2.5	2.5	2.5	9.9	17.3
127.5°	12.4	9.9	5.0	2.5	0.0	0.0	2.5	2.5	2.5	7.4	14.9
130°	12.4	9.9	5.0	0.0	0.0	0.0	2.5	2.5	2.5	7.4	12.4
132.5°	9.9	7.4	5.0	0.0	0.0	0.0	2.5	2.5	2.5	5.0	9.9
135°	7.4	7.4	2.5	0.0	2.5	0.0	2.5	2.5	2.5	2.5	7.4
137.5°	5.0	5.0	2.5	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
140°	2.5	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
142.5°	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5
145°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
150°	7.4	7.4	7.4	5.0	2.5	2.5	2.5	5.0	2.5	2.5	2.5
152.5°	7.4	7.4	7.4	5.0	0.0	0.0	2.5	2.5	5.0	2.5	2.5
155°	5.0	5.0	5.0	0.0	0.0	0.0	2.5	2.5	2.5	5.0	5.0
157.5°	2.5	2.5	2.5	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
160°	0.0	0.0	0.0	0.0	0.0	0.0	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°	683.6	683.6	683.6	683.6	683.6	683.6	683.6	683.6	683.6	683.6	683.6
2.5°	681.1	678.7	676.2	673.7	668.8	663.8	651.4	599.4	599.4	601.9	601.9
5°	668.8	666.3	658.8	611.8	584.5	569.7	574.6	574.6	574.6	577.1	582.1
7.5°	584.5	582.1	547.4	544.9	554.8	567.2	574.6	562.2	537.5	537.5	537.5
10°	510.2	507.8	445.8	433.4	445.8	475.6	552.3	567.2	577.1	579.6	584.5
12.5°	445.8	438.4	383.9	423.5	396.3	445.8	515.2	572.2	520.1	510.2	510.2
15°	495.4	492.9	428.5	371.5	374.0	445.8	408.7	537.5	567.2	572.2	574.6
17.5°	433.4	428.5	393.8	391.3	413.6	359.1	453.3	512.7	487.9	495.4	495.4
20°	517.7	515.2	450.8	374.0	369.1	438.4	401.3	465.6	554.8	572.2	574.6
22.5°	401.3	401.3	413.6	438.4	398.8	418.6	428.5	492.9	475.6	485.5	515.2
25°	569.7	564.7	500.3	393.8	428.5	403.7	448.3	468.1	549.9	569.7	574.6
27.5°	691.0	678.7	537.5	443.4	386.4	433.4	431.0	453.3	465.6	542.4	552.3
30°	814.9	802.5	691.0	497.8	401.3	374.0	411.2	485.5	559.8	572.2	582.1
32.5°	859.5	849.6	705.9	527.6	403.7	398.8	408.7	485.5	614.3	663.8	673.7
35°	906.5	894.1	720.8	515.2	393.8	371.5	386.4	500.3	611.8	644.0	651.4
37.5°	963.5	941.2	738.1	490.4	366.6	351.7	369.1	455.7	582.1	614.3	619.2
40°	1035.3	1013.0	760.4	463.2	339.3	326.9	336.9	423.5	510.2	537.5	549.9
42.5°	1144.3	1102.2	770.3	440.9	314.6	302.2	312.1	381.4	448.3	465.6	473.1
45°	1285.5	1211.2	785.2	411.2	292.3	274.9	289.8	349.2	381.4	381.4	381.4
47.5°	1458.9	1340.0	792.6	386.4	265.0	250.2	265.0	317.0	334.4	324.5	322.0
50°	1671.9	1503.5	829.7	356.7	242.7	230.3	255.1	279.9	287.3	292.3	292.3
52.5°	1922.0	1691.7	852.0	326.9	227.9	220.4	245.2	262.5	265.0	270.0	270.0
55°	2194.5	1897.3	864.4	299.7	218.0	208.1	235.3	252.6	252.6	257.6	257.6
57.5°	2476.9	2135.0	896.6	279.9	208.1	198.1	225.4	255.1	245.2	255.1	257.6
60°	2774.1	2355.5	869.4	260.1	193.2	190.7	227.9	272.5	270.0	282.4	284.8
62.5°	3054.0	2531.3	748.0	242.7	183.3	193.2	255.1	307.1	299.7	319.5	319.5
65°	3212.5	2590.8	549.9	232.8	175.9	208.1	282.4	341.8	317.0	326.9	322.0
67.5°	3247.2	2531.3	396.3	220.4	173.4	232.8	302.2	349.2	314.6	324.5	324.5
70°	3165.4	2392.6	319.5	210.5	170.9	235.3	307.1	349.2	317.0	339.3	334.4
72.5°	2796.4	2036.0	272.5	200.6	170.9	230.3	314.6	351.7	324.5	361.6	354.2
75°	2107.8	1523.3	240.3	190.7	161.0	222.9	319.5	354.2	314.6	354.2	349.2
77.5°	1253.3	869.4	213.0	178.3	148.6	215.5	314.6	354.2	307.1	349.2	344.3
80°	530.0	408.7	180.8	156.0	136.2	205.6	309.6	351.7	294.7	339.3	331.9
82.5°	334.4	277.4	153.6	128.8	133.8	203.1	312.1	346.8	289.8	341.8	317.0
85°	270.0	227.9	131.3	109.0	123.8	208.1	299.7	314.6	250.2	294.7	287.3
87.5°	227.9	190.7	59.4	47.1	91.6	161.0	227.9	235.3	180.8	230.3	220.4
90°	250.2	208.1	57.0	39.6	81.7	141.2	210.5	205.6	173.4	220.4	218.0
92.5°	272.5	220.4	54.5	42.1	91.6	153.6	230.3	208.1	183.3	222.9	220.4
95°	282.4	225.4	52.0	44.6	109.0	168.4	245.2	203.1	193.2	205.6	203.1
97.5°	213.0	163.5	49.5	47.1	113.9	190.7	230.3	170.9	126.3	126.3	123.8
100°	54.5	54.5	44.6	44.6	76.8	138.7	175.9	126.3	71.8	54.5	57.0
102.5°	14.9	17.3	39.6	42.1	42.1	61.9	99.1	81.7	47.1	7.4	7.4
105°	14.9	14.9	27.2	32.2	22.3	19.8	39.6	44.6	34.7	5.0	7.4
107.5°	14.9	14.9	12.4	17.3	7.4	9.9	9.9	12.4	12.4	5.0	5.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	17.3	14.9	7.4	5.0	5.0	5.0	5.0	5.0	5.0	12.4	12.4
115°	14.9	12.4	7.4	5.0	5.0	5.0	5.0	2.5	5.0	14.9	14.9
117.5°	17.3	14.9	7.4	5.0	2.5	5.0	5.0	2.5	5.0	17.3	17.3
120°	19.8	17.3	7.4	5.0	2.5	2.5	2.5	2.5	7.4	17.3	17.3
122.5°	19.8	19.8	9.9	2.5	2.5	2.5	2.5	2.5	7.4	17.3	17.3
125°	19.8	17.3	7.4	2.5	2.5	2.5	0.0	2.5	7.4	17.3	19.8
127.5°	14.9	14.9	7.4	2.5	2.5	2.5	0.0	2.5	7.4	14.9	17.3
130°	12.4	12.4	5.0	2.5	2.5	2.5	0.0	2.5	7.4	14.9	14.9
132.5°	9.9	9.9	5.0	2.5	2.5	0.0	0.0	0.0	7.4	12.4	12.4
135°	7.4	7.4	2.5	2.5	2.5	0.0	0.0	0.0	5.0	9.9	9.9
137.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	2.5	5.0	5.0
140°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5
142.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5
145°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	2.5
147.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	2.5	2.5
150°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	2.5	5.0	2.5	5.0
152.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	2.5	5.0	5.0	5.0
155°	5.0	5.0	5.0	2.5	2.5	0.0	0.0	0.0	2.5	5.0	5.0
157.5°	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	17.3	17.3	5.0	5.0	5.0	5.0	5.0	5.0	5.0	7.4	14.9
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110°	17.3	14.9	7.4	7.4	5.0	5.0	5.0	5.0	5.0	9.9	9.9
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(END OF REPORT)