

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: P560186

Luminaire Tested: **SDL-PA1-30-730-U-T2U-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560186
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-730-U-T2U-A
Description: Springdale
(1) 70 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3290.9 lumens
Efficiency: N/A
Efficacy: 109.3 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 - G1

Input Watts (W): 30.1
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



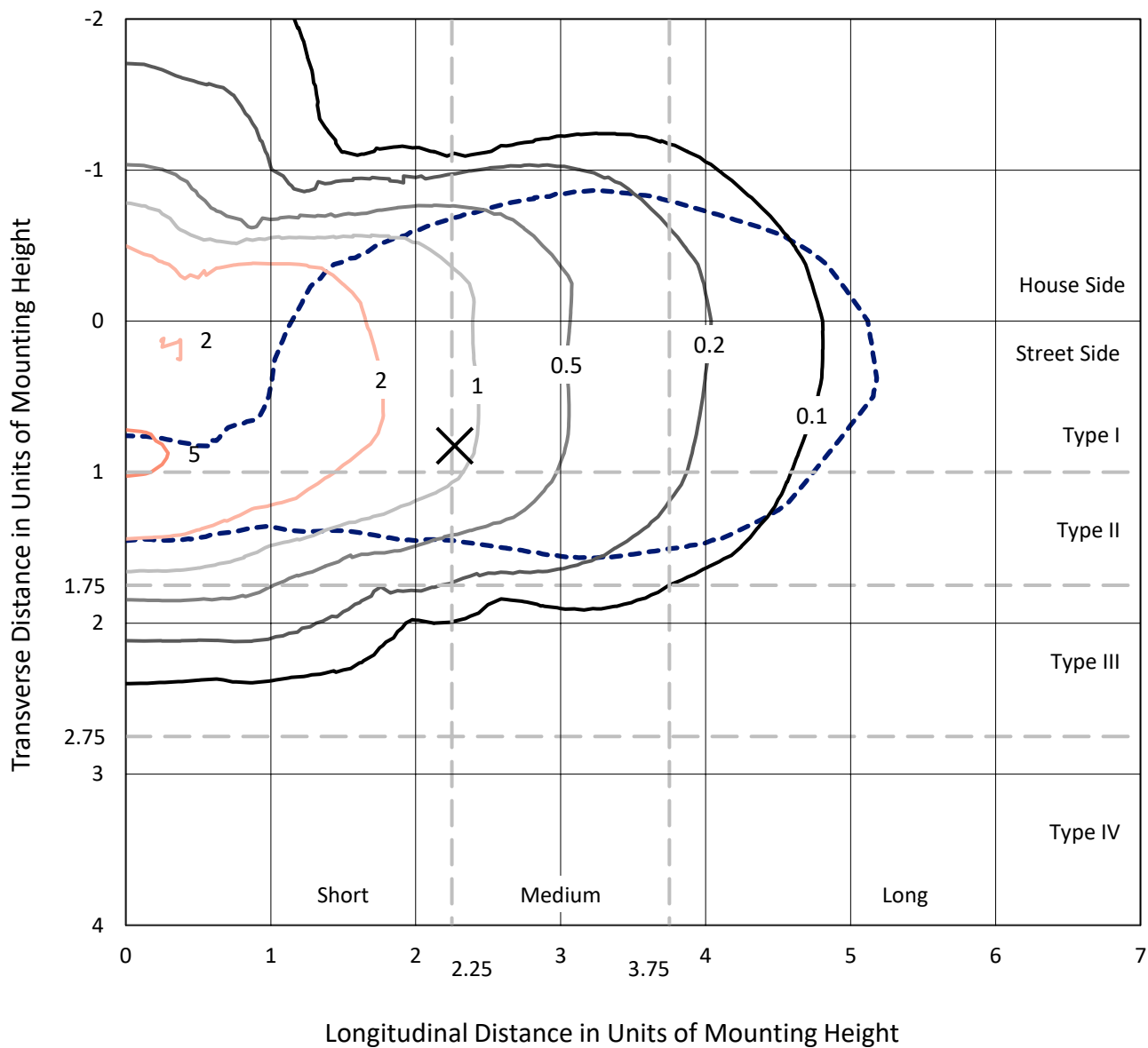
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

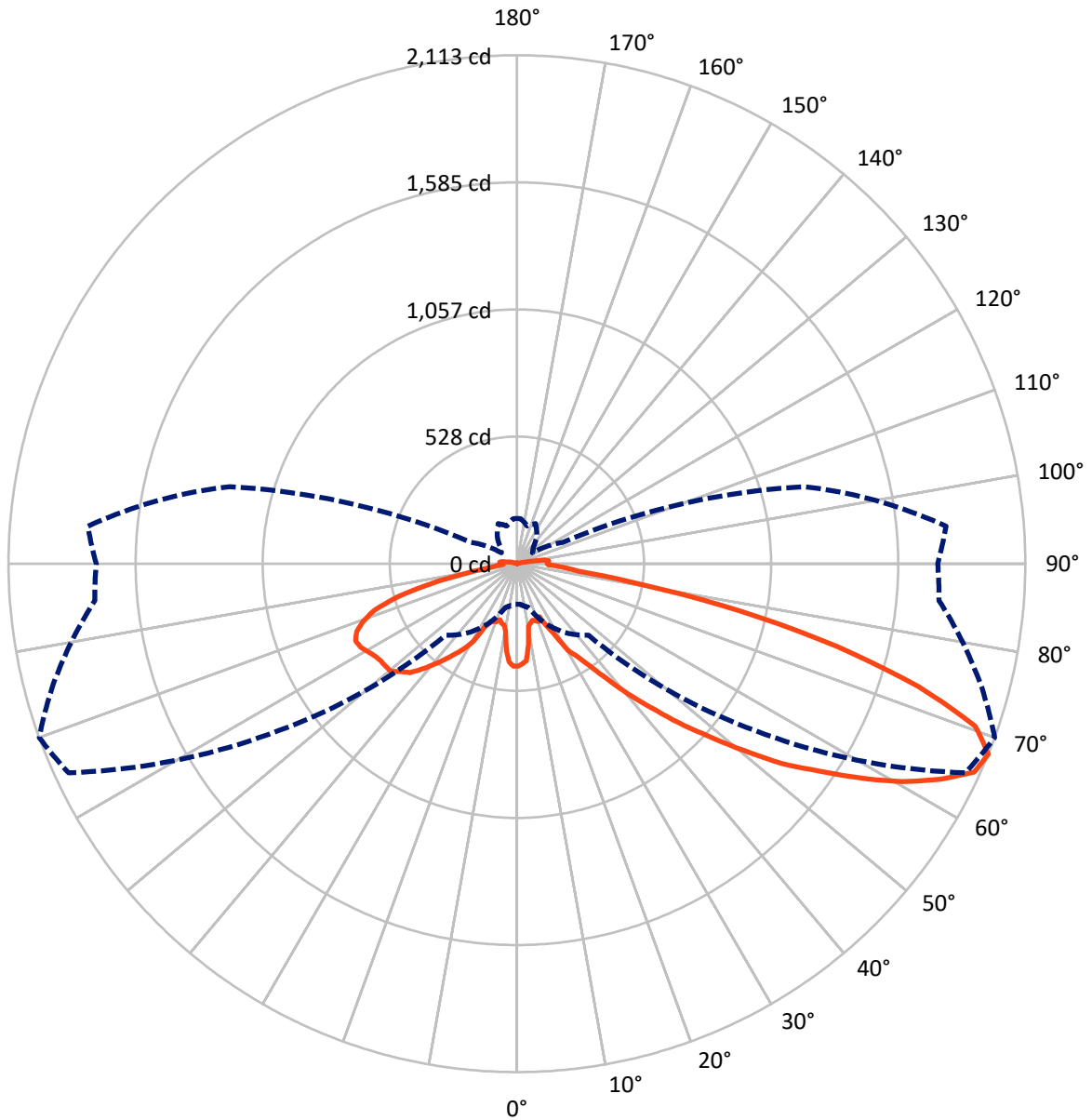


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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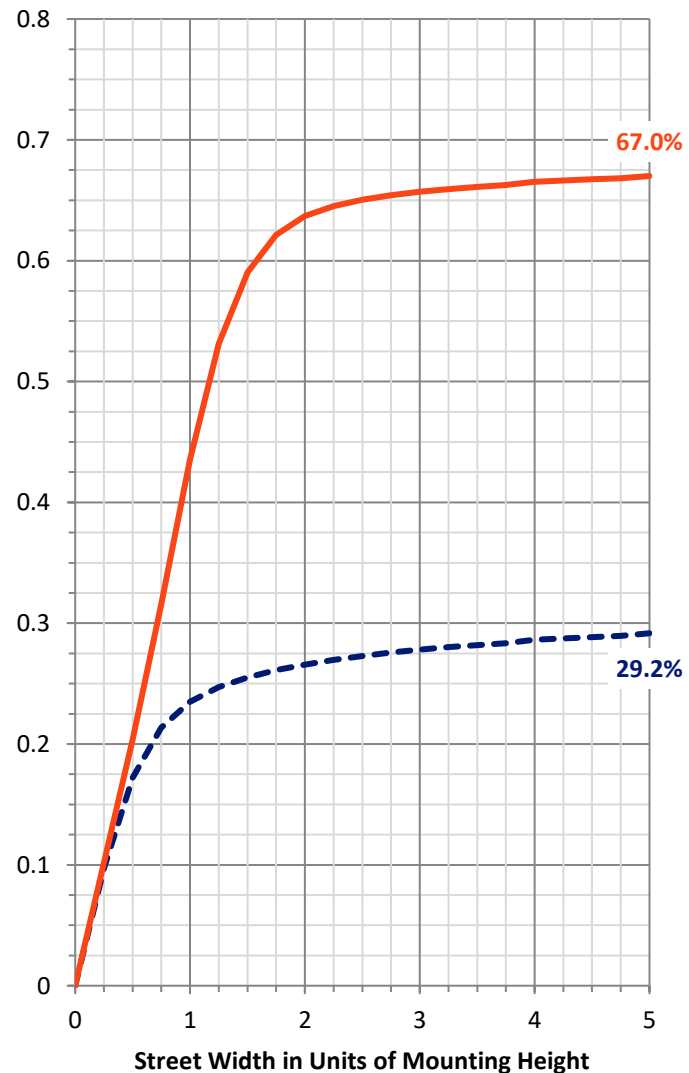
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	989.8	38.9	1028.7
	% Fixture	30.1	1.2	31.3
Street Side	Lumens	2224.7	37.6	2262.2
	% Fixture	67.6	1.1	68.7
Total	Lumens	3214.5	76.4	3290.9
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.1	1.0
10°-20°	78.9	2.4
20°-30°	140.1	4.3
30°-40°	295.1	9.0
40°-50°	551.7	16.8
50°-60°	764.1	23.2
60°-70°	736.8	22.4
70°-80°	484.4	14.7
80°-90°	129.1	3.9
90°-100°	53.0	1.6
100°-110°	11.6	0.4
110°-120°	5.0	0.2
120°-130°	3.6	0.1
130°-140°	1.6	0.1
140°-150°	0.9	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3214.5	97.7
0°-180°	3290.9	100.0



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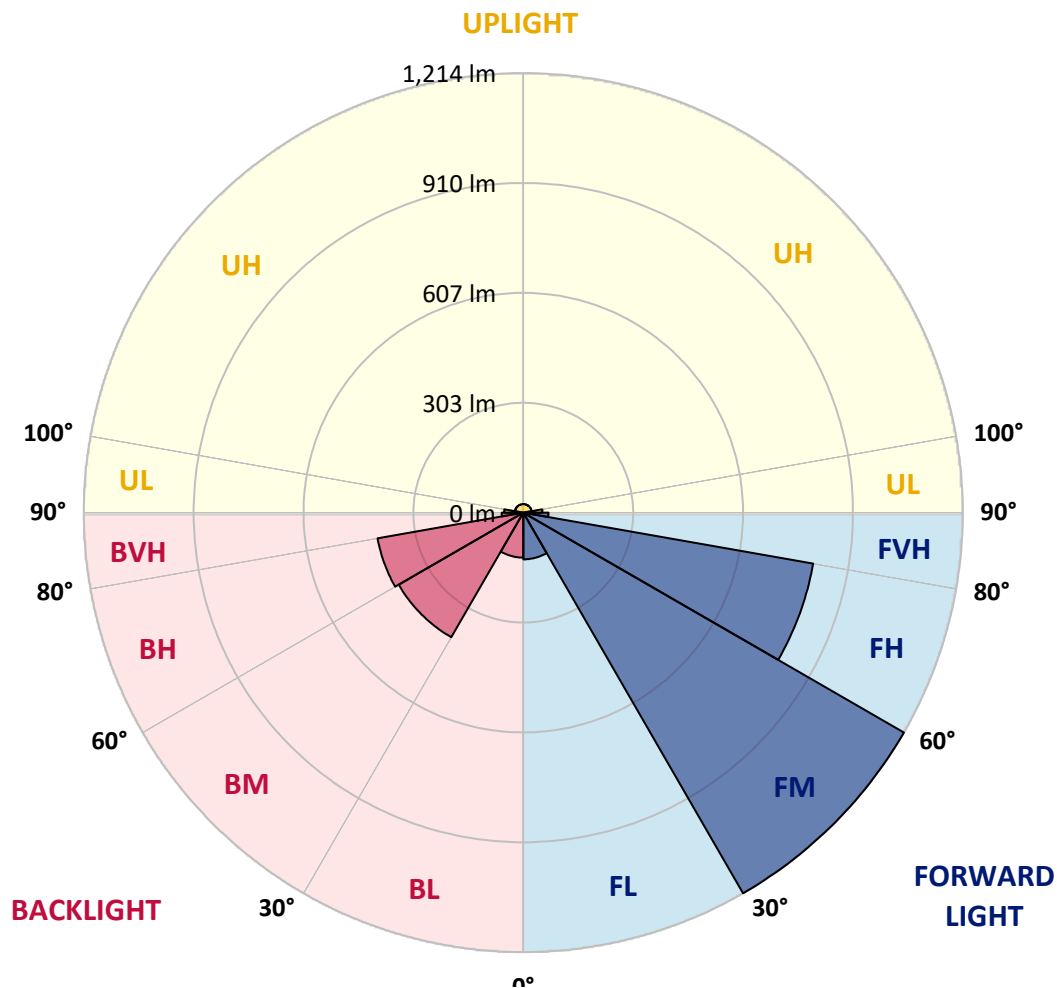
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	129.0	3.9			
FM	(30°-60°)	1213.6	36.9			
FH	(60°-80°)	812.6	24.7			G1/1800
FVH	(80°-90°)	69.5	2.1			G1/100
BL	(0°-30°)	124.2	3.8	B1/500		
BM	(30°-60°)	397.4	12.1	B1/1000		
BH	(60°-80°)	408.6	12.4	B1/500		G1/500
BVH	(80°-90°)	59.6	1.8			G1/100
UL	(90°-100°)	53.0	1.6		U3/500	
UH	(100°-180°)	23.5	0.7		U2/50	

BUG Rating: B1-U3-G1

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9
2.5°	355.5	384.4	375.6	403.3	409.6	415.8	417.1	418.3	417.1	418.3	420.9
5°	335.4	336.7	337.9	340.5	340.5	343.0	348.0	400.8	405.8	409.6	414.6
7.5°	280.2	292.7	316.6	325.4	329.2	334.2	336.7	336.7	341.7	354.3	363.1
10°	311.6	309.0	310.3	311.6	294.0	290.2	263.8	260.1	263.8	272.6	314.1
12.5°	261.3	273.9	300.3	306.5	285.2	252.5	248.7	253.8	252.5	227.4	266.3
15°	302.8	301.5	299.0	294.0	238.7	250.0	214.8	217.3	243.7	261.3	297.7
17.5°	263.8	262.6	297.7	287.7	251.3	194.7	245.0	227.4	248.7	229.9	246.2
20°	327.9	326.6	322.9	240.0	256.3	258.8	237.4	219.9	256.3	265.1	299.0
22.5°	297.7	297.7	321.6	315.3	260.1	273.9	226.1	267.6	240.0	243.7	226.1
25°	409.6	405.8	400.8	292.7	312.8	251.3	280.2	246.2	286.4	310.3	325.4
27.5°	397.0	389.5	384.4	388.2	314.1	329.2	277.6	306.5	330.4	340.5	379.4
30°	557.8	547.7	532.7	407.0	390.7	336.7	335.4	379.4	418.3	449.8	471.1
32.5°	711.1	713.6	635.7	546.5	432.2	449.8	399.5	444.7	457.3	490.0	502.5
35°	912.1	886.9	838.0	682.2	526.4	508.8	464.8	507.5	520.1	551.5	559.1
37.5°	1070.4	1071.6	996.2	820.4	630.7	615.6	539.0	582.9	605.5	640.7	628.1
40°	1222.4	1228.7	1168.4	962.3	762.6	721.1	628.1	679.7	711.1	732.4	711.1
42.5°	1358.1	1356.8	1315.3	1119.4	885.7	861.8	722.4	789.0	816.6	836.7	820.4
45°	1464.8	1461.1	1423.4	1247.5	1031.4	1064.1	845.5	914.6	943.5	966.1	925.9
47.5°	1501.3	1481.2	1464.8	1340.5	1167.1	1242.5	997.5	1036.4	1070.4	1109.3	1044.0
50°	1462.3	1436.0	1442.2	1384.4	1281.4	1392.0	1160.8	1177.2	1218.6	1252.5	1155.8
52.5°	1300.3	1294.0	1329.2	1340.5	1330.4	1506.3	1344.2	1297.8	1379.4	1383.2	1271.4
55°	1086.7	1079.2	1162.1	1208.6	1283.9	1551.5	1500.0	1467.4	1520.1	1513.8	1374.4
57.5°	875.6	870.6	946.0	1022.6	1153.3	1526.4	1609.3	1653.3	1679.7	1644.5	1469.9
60°	586.7	596.7	726.1	829.2	943.5	1375.6	1650.8	1826.7	1839.2	1763.8	1570.4
62.5°	374.4	388.2	471.1	639.5	704.8	1116.9	1620.6	1981.2	1973.6	1871.9	1663.3
65°	240.0	245.0	285.2	433.4	505.0	740.0	1486.2	2086.7	2088.0	1968.6	1737.5
67.5°	168.3	169.6	188.4	270.1	349.3	420.9	1208.6	2056.6	2113.1	2001.3	1761.3
70°	150.8	152.0	157.0	183.4	265.1	261.3	732.4	1838.0	2020.1	1958.6	1724.9
72.5°	134.4	135.7	144.5	159.6	203.5	204.8	350.5	1463.6	1746.3	1806.6	1616.9
75°	111.8	114.3	124.4	149.5	157.0	172.1	234.9	1028.9	1374.4	1556.6	1488.7
77.5°	94.2	95.5	103.0	126.9	136.9	139.4	201.0	570.4	949.8	1145.7	1311.6
80°	75.4	75.4	81.7	100.5	113.1	114.3	179.7	301.5	526.4	693.5	912.1
82.5°	49.0	50.3	57.8	75.4	84.2	113.1	159.6	219.9	257.5	334.2	414.6
85°	31.4	31.4	36.4	42.7	50.3	86.7	140.7	182.2	192.2	209.8	188.4
87.5°	15.1	15.1	13.8	16.3	18.8	32.7	98.0	129.4	130.7	128.1	138.2
90°	12.6	12.6	10.1	11.3	12.6	17.6	74.1	126.9	125.6	130.7	143.2
92.5°	13.8	13.8	10.1	11.3	12.6	15.1	54.0	128.1	131.9	138.2	152.0
95°	15.1	15.1	10.1	10.1	11.3	13.8	33.9	110.6	133.2	139.4	157.0
97.5°	13.8	13.8	7.5	8.8	10.1	12.6	21.4	82.9	104.3	109.3	124.4
100°	12.6	12.6	6.3	7.5	8.8	10.1	13.8	42.7	45.2	33.9	47.7
102.5°	11.3	12.6	5.0	6.3	6.3	6.3	8.8	20.1	20.1	11.3	12.6
105°	11.3	12.6	5.0	5.0	3.8	5.0	5.0	7.5	8.8	6.3	10.1
107.5°	12.6	12.6	5.0	5.0	3.8	3.8	3.8	5.0	6.3	5.0	10.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	7.5	7.5	3.8	5.0	2.5	2.5	2.5	3.8	5.0	6.3	13.8
115°	6.3	5.0	2.5	3.8	2.5	2.5	2.5	3.8	3.8	5.0	11.3
117.5°	6.3	5.0	2.5	2.5	1.3	2.5	2.5	3.8	3.8	5.0	10.1
120°	6.3	6.3	2.5	1.3	1.3	1.3	1.3	2.5	3.8	6.3	11.3
122.5°	7.5	6.3	2.5	2.5	1.3	1.3	1.3	2.5	3.8	6.3	11.3
125°	7.5	7.5	3.8	2.5	1.3	1.3	1.3	2.5	3.8	5.0	10.1
127.5°	7.5	6.3	3.8	2.5	1.3	1.3	1.3	1.3	2.5	3.8	8.8
130°	6.3	6.3	3.8	1.3	1.3	1.3	1.3	1.3	2.5	2.5	6.3
132.5°	5.0	5.0	3.8	1.3	1.3	1.3	1.3	1.3	1.3	2.5	5.0
135°	3.8	3.8	2.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	3.8
137.5°	2.5	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
140°	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
142.5°	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
145°	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3
150°	2.5	2.5	5.0	3.8	2.5	1.3	2.5	1.3	1.3	1.3	1.3
152.5°	3.8	3.8	5.0	3.8	1.3	1.3	1.3	2.5	1.3	1.3	1.3
155°	2.5	2.5	2.5	1.3	1.3	1.3	1.3	1.3	2.5	2.5	3.8
157.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9	425.9
2.5°	422.1	422.1	425.9	427.1	425.9	424.6	417.1	394.5	380.7	381.9	381.9
5°	415.8	417.1	420.9	398.2	370.6	373.1	376.9	378.1	378.1	380.7	380.7
7.5°	366.8	368.1	358.0	361.8	370.6	376.9	379.4	373.1	353.0	345.5	345.5
10°	317.8	317.8	282.7	283.9	294.0	312.8	371.9	378.1	384.4	385.7	384.4
12.5°	268.8	270.1	241.2	277.6	265.1	299.0	343.0	379.4	350.5	321.6	325.4
15°	300.3	302.8	271.4	238.7	245.0	295.2	256.3	351.8	354.3	354.3	354.3
17.5°	241.2	255.0	240.0	246.2	271.4	222.4	290.2	321.6	295.2	287.7	287.7
20°	300.3	300.3	273.9	237.4	251.3	288.9	257.5	286.4	336.7	336.7	335.4
22.5°	223.6	223.6	240.0	275.1	252.5	285.2	272.6	296.5	267.6	267.6	275.1
25°	322.9	319.1	291.5	243.7	287.7	263.8	273.9	258.8	302.8	306.5	304.0
27.5°	389.5	386.9	312.8	280.2	270.1	281.4	246.2	241.2	232.4	267.6	263.8
30°	461.1	454.8	409.6	337.9	296.5	237.4	222.4	231.2	256.3	257.5	256.3
32.5°	495.0	481.2	430.9	404.5	302.8	245.0	199.8	206.0	255.0	270.1	270.1
35°	541.5	526.4	469.9	441.0	301.5	216.1	177.1	199.8	229.9	231.2	231.2
37.5°	605.5	582.9	535.2	462.3	281.4	191.0	163.3	177.1	198.5	204.8	207.3
40°	679.7	650.8	608.0	476.1	252.5	160.8	145.7	163.3	179.7	174.6	174.6
42.5°	783.9	741.2	679.7	497.5	216.1	142.0	133.2	149.5	160.8	163.3	162.1
45°	881.9	829.2	763.8	505.0	175.9	128.1	124.4	142.0	153.3	149.5	149.5
47.5°	992.5	925.9	826.6	487.4	144.5	120.6	124.4	136.9	142.0	148.2	148.2
50°	1101.8	1030.2	918.4	459.8	128.1	115.6	124.4	131.9	142.0	145.7	144.5
52.5°	1201.0	1138.2	973.6	410.8	119.3	111.8	120.6	131.9	144.5	150.8	150.8
55°	1309.1	1245.0	1023.9	366.8	111.8	104.3	124.4	136.9	140.7	144.5	144.5
57.5°	1390.7	1340.5	1079.2	327.9	106.8	104.3	126.9	143.2	142.0	145.7	145.7
60°	1490.0	1446.0	1129.4	309.0	99.2	99.2	131.9	154.5	144.5	155.8	155.8
62.5°	1595.5	1569.1	1178.4	295.2	91.7	96.7	133.2	163.3	149.5	167.1	168.3
65°	1697.3	1702.3	1223.6	262.6	85.4	96.7	135.7	174.6	154.5	177.1	179.7
67.5°	1748.8	1790.2	1236.2	211.1	79.1	95.5	143.2	183.4	162.1	187.2	188.4
70°	1738.7	1792.7	1207.3	155.8	74.1	100.5	154.5	191.0	165.8	199.8	199.8
72.5°	1650.8	1689.7	1121.9	118.1	69.1	96.7	157.0	193.5	168.3	219.9	219.9
75°	1526.4	1486.2	923.4	98.0	65.3	96.7	153.3	191.0	165.8	214.8	213.6
77.5°	1324.1	1189.7	636.9	86.7	61.6	93.0	143.2	185.9	158.3	199.8	202.3
80°	849.3	732.4	325.4	75.4	65.3	89.2	138.2	172.1	147.0	178.4	179.7
82.5°	386.9	325.4	148.2	66.6	64.1	80.4	125.6	153.3	128.1	152.0	150.8
85°	163.3	165.8	116.8	56.5	56.5	62.8	93.0	119.3	99.2	106.8	104.3
87.5°	126.9	121.9	80.4	33.9	36.4	27.6	60.3	85.4	65.3	69.1	67.8
90°	134.4	131.9	85.4	35.2	26.4	16.3	45.2	66.6	49.0	44.0	42.7
92.5°	143.2	142.0	95.5	37.7	26.4	13.8	38.9	54.0	35.2	30.2	28.9
95°	153.3	153.3	104.3	40.2	26.4	13.8	35.2	41.5	26.4	20.1	18.8
97.5°	121.9	124.4	89.2	41.5	25.1	13.8	31.4	33.9	20.1	11.3	11.3
100°	49.0	54.0	49.0	41.5	22.6	11.3	25.1	26.4	13.8	6.3	6.3
102.5°	11.3	13.8	33.9	36.4	17.6	7.5	16.3	16.3	8.8	3.8	3.8
105°	11.3	10.1	22.6	28.9	10.1	5.0	7.5	10.1	5.0	2.5	2.5
107.5°	11.3	11.3	10.1	13.8	5.0	3.8	3.8	3.8	2.5	2.5	2.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.1	13.8	6.3	5.0	3.8	3.8	2.5	2.5	3.8	12.6	12.6
115°	12.6	11.3	6.3	3.8	3.8	3.8	2.5	1.3	3.8	13.8	13.8
117.5°	11.3	10.1	6.3	3.8	2.5	3.8	2.5	1.3	3.8	13.8	13.8
120°	12.6	11.3	6.3	3.8	2.5	2.5	2.5	1.3	3.8	12.6	12.6
122.5°	12.6	12.6	7.5	2.5	2.5	1.3	2.5	1.3	3.8	11.3	11.3
125°	11.3	10.1	6.3	2.5	1.3	1.3	1.3	1.3	5.0	10.1	11.3
127.5°	10.1	8.8	5.0	2.5	1.3	1.3	1.3	1.3	3.8	7.5	8.8
130°	7.5	7.5	3.8	2.5	1.3	1.3	1.3	1.3	3.8	7.5	6.3
132.5°	5.0	5.0	3.8	2.5	1.3	1.3	1.3	1.3	3.8	5.0	5.0
135°	3.8	3.8	2.5	1.3	1.3	1.3	1.3	1.3	2.5	3.8	3.8
137.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.5	2.5
140°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
142.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
145°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
147.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
150°	1.3	1.3	1.3	1.3	2.5	1.3	1.3	2.5	1.3	1.3	1.3
152.5°	1.3	1.3	1.3	2.5	1.3	1.3	1.3	1.3	3.8	3.8	2.5
155°	3.8	3.8	2.5	1.3	1.3	1.3	1.3	1.3	2.5	1.3	1.3
157.5°	1.3	1.3	1.3	1.3	1.3	0.0	1.3	0.0	0.0	1.3	0.0
160°	0.0	0.0	1.3	1.3	1.3	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° | 11.3 11.3 3.8 5.0 2.5 2.5 2.5 3.8 5.0 11.3



110°	12.6	11.3	5.0	5.0	3.8	3.8	2.5	2.5	1.3	7.5	8.8
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(END OF REPORT)