

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: P561273

Luminaire Tested: **SDL-PA1-90-740-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561273
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-90-740-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 4000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS, HOUSE SIDE SHEILD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6935 lumens
Efficiency: N/A
Efficacy: 75.1 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): 92.4
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

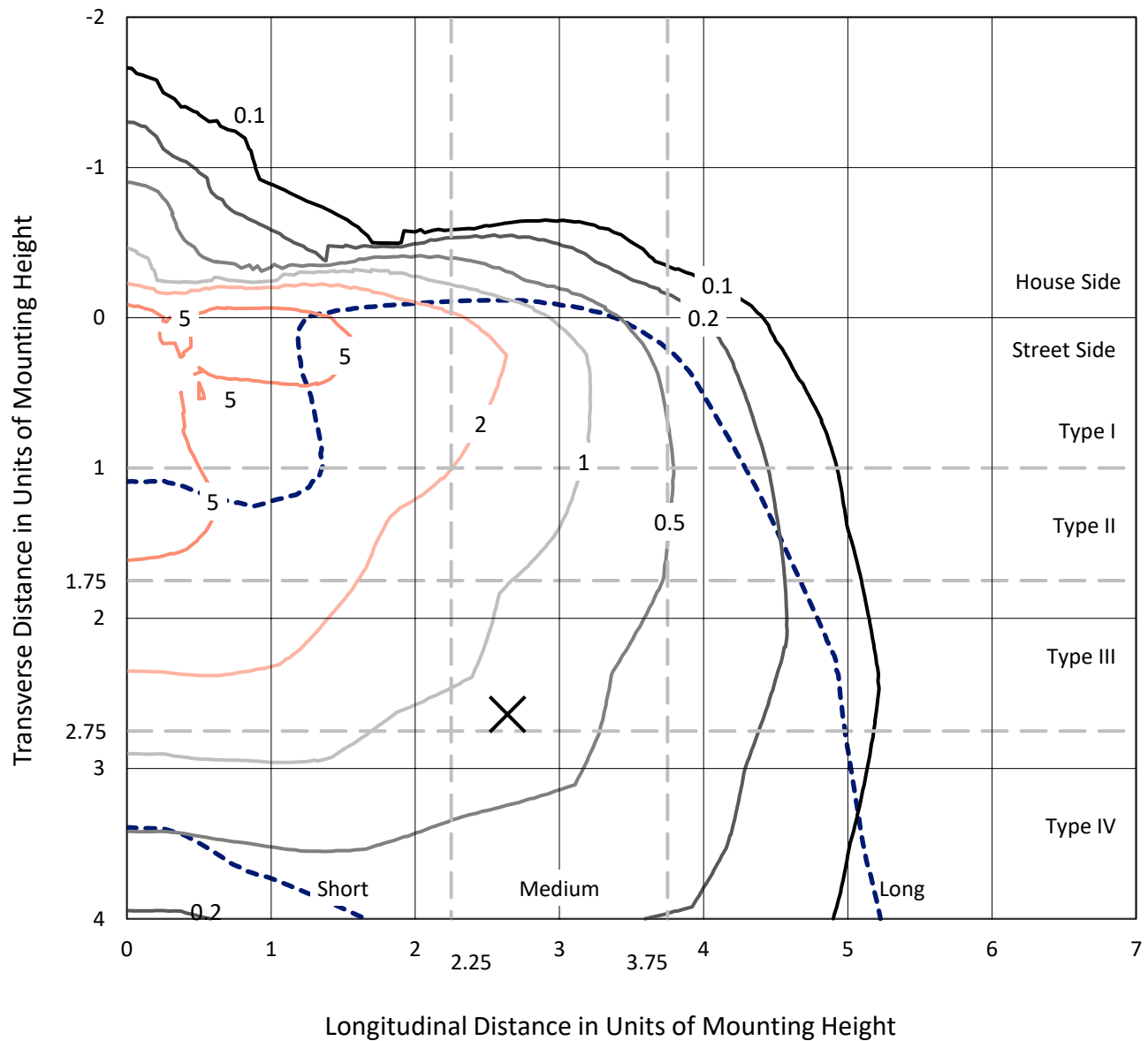


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

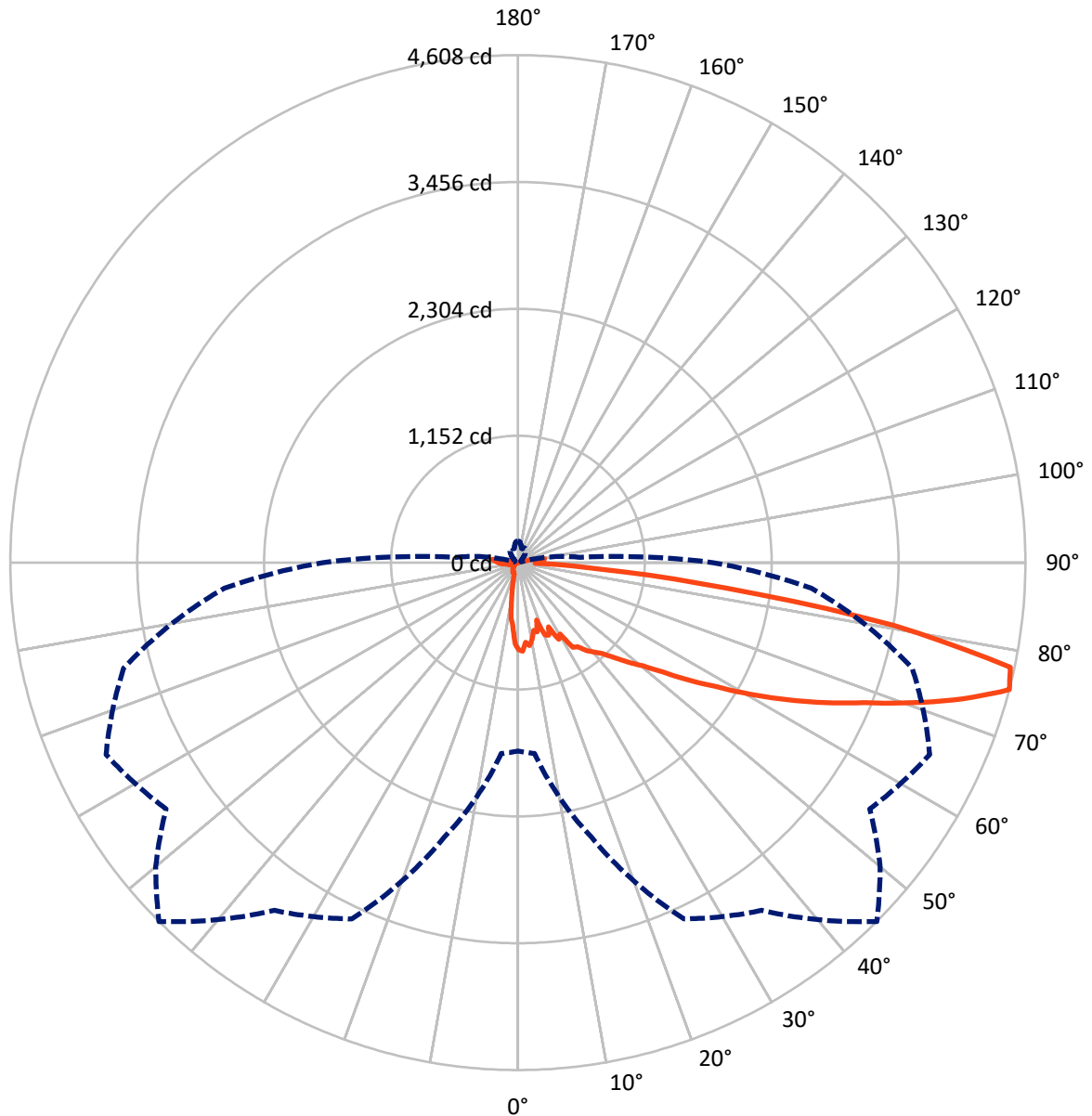


Based on 10 foot mounting height. Maximum calculated value = 8.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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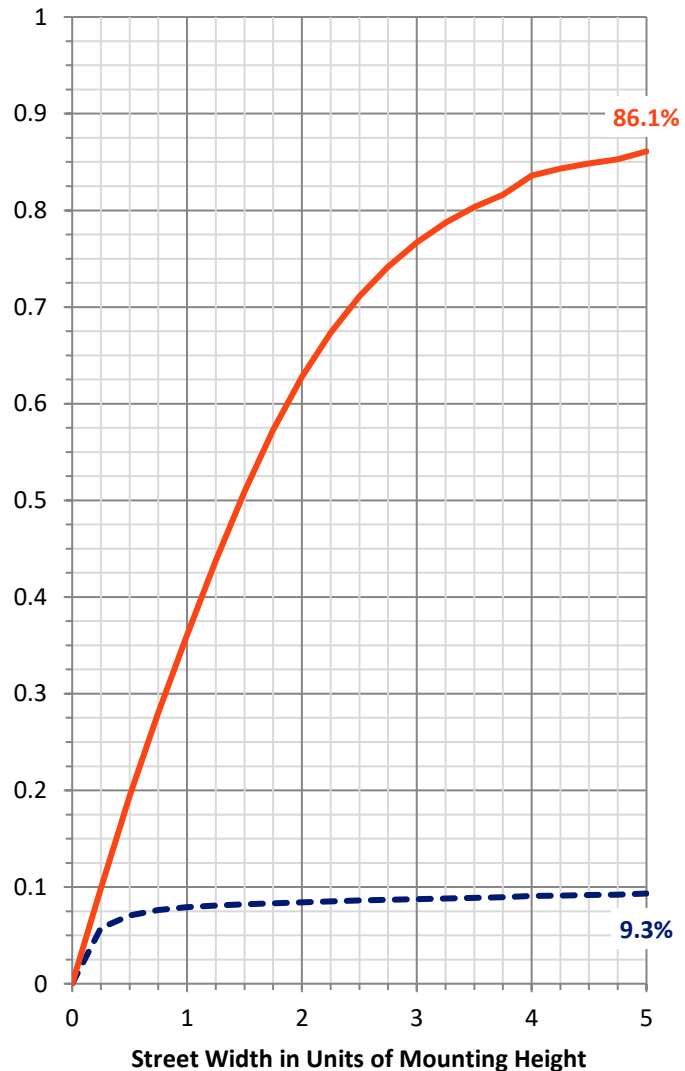
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	711.6	124.5	836.1
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	6002.7	96.2	6098.9
	% Fixture	86.6	1.4	87.9
Total	Lumens	6714.3	220.7	6935.0
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	0.9
10°-20°	132.7	1.9
20°-30°	222.6	3.2
30°-40°	412.8	6.0
40°-50°	695.6	10.0
50°-60°	1248.6	18.0
60°-70°	1874.8	27.0
70°-80°	1715.2	24.7
80°-90°	350.7	5.1
90°-100°	167.8	2.4
100°-110°	35.8	0.5
110°-120°	6.8	0.1
120°-130°	5.4	0.1
130°-140°	2.4	0.0
140°-150°	1.3	0.0
150°-160°	1.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6714.3	96.8
0°-180°	6935.0	100.0



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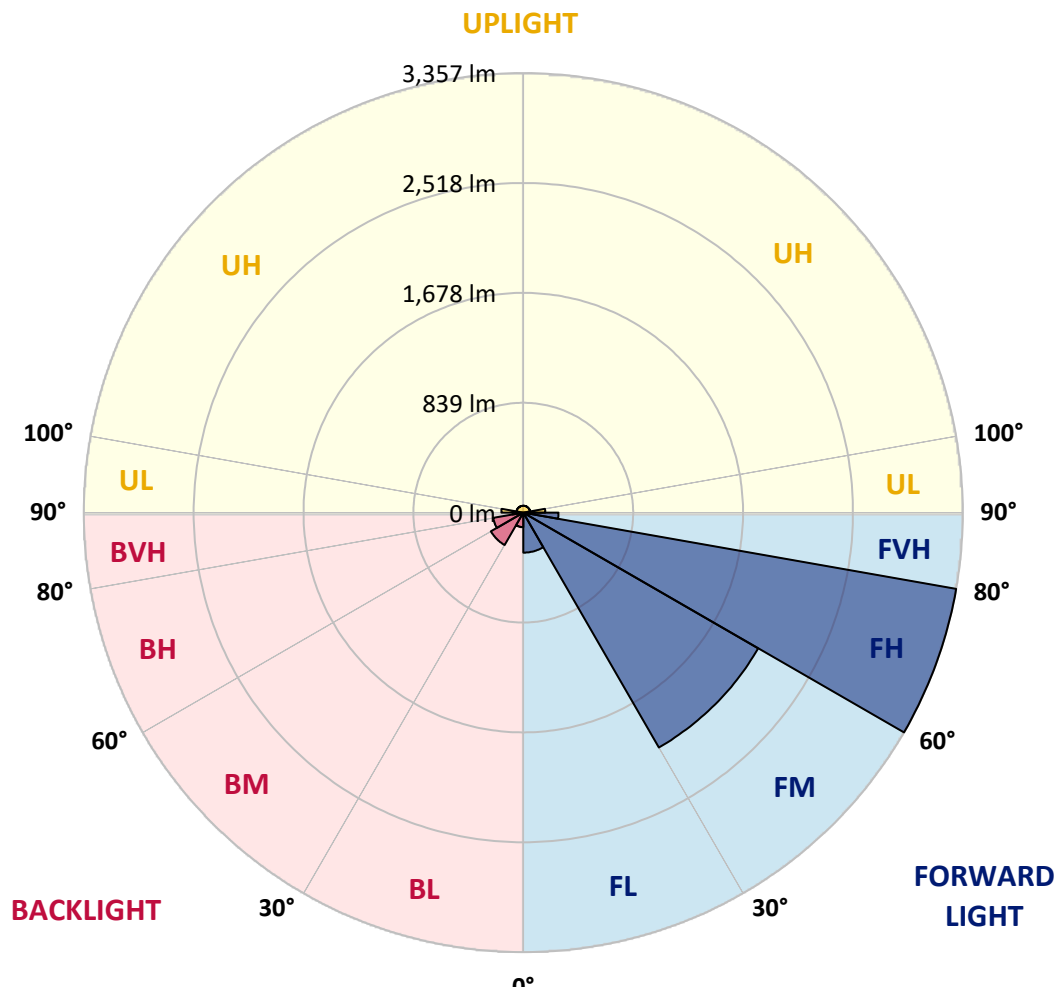
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	305.5	4.4			
FM	(30°-60°)	2071.5	29.9			
FH	(60°-80°)	3356.8	48.4			G2/5000
FVH	(80°-90°)	268.9	3.9			G3/500
BL	(0°-30°)	111.1	1.6	B1/500		
BM	(30°-60°)	285.5	4.1	B1/1000		
BH	(60°-80°)	233.2	3.4	B1/500		G1/500
BVH	(80°-90°)	81.8	1.2			G1/100
UL	(90°-100°)	167.8	2.4		U3/500	
UH	(100°-180°)	52.9	0.8		U3/500	

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°	790.2	790.2	790.2	790.2	790.2	790.2	790.2	790.2	790.2	790.2	790.2
2.5°	767.9	805.0	793.9	812.5	808.7	805.0	805.0	808.7	805.0	797.6	790.2
5°	782.8	771.6	764.2	760.5	745.7	727.1	719.7	712.3	790.2	790.2	775.4
7.5°	805.0	805.0	790.2	779.1	779.1	760.5	742.0	727.1	690.0	678.9	678.9
10°	857.0	849.6	838.4	816.2	704.9	708.6	667.8	586.2	549.1	563.9	586.2
12.5°	868.1	864.4	849.6	845.8	742.0	630.7	523.1	586.2	560.2	467.4	519.4
15°	931.2	923.7	894.1	842.1	634.4	652.9	608.4	523.1	500.8	571.3	612.1
17.5°	793.9	793.9	890.4	816.2	690.0	549.1	545.3	608.4	549.1	512.0	508.2
20°	975.7	975.7	934.9	667.8	708.6	701.2	563.9	638.1	537.9	608.4	649.2
22.5°	812.5	808.7	838.4	827.3	678.9	716.0	578.7	582.4	641.8	549.1	471.1
25°	990.5	990.5	968.3	719.7	771.6	645.5	660.3	697.4	571.3	693.7	701.2
27.5°	853.3	849.6	808.7	823.6	719.7	790.2	601.0	656.6	701.2	749.4	823.6
30°	1042.5	1049.9	1031.3	782.8	801.3	753.1	716.0	760.5	849.6	997.9	1046.2
32.5°	1287.3	1294.7	1098.1	942.3	805.0	916.3	767.9	838.4	975.7	1046.2	1098.1
35°	1432.0	1376.3	1291.0	1053.6	868.1	938.6	882.9	894.1	1016.5	1127.8	1164.9
37.5°	1554.4	1480.2	1380.1	1087.0	916.3	1012.8	920.0	934.9	1101.8	1202.0	1250.2
40°	1595.2	1550.7	1495.1	1161.2	975.7	1068.4	964.6	997.9	1183.4	1298.4	1372.6
42.5°	1695.4	1699.1	1665.7	1265.1	1038.8	1127.8	1038.8	1061.0	1291.0	1432.0	1539.6
45°	1962.5	1969.9	1932.8	1443.1	1116.7	1231.7	1157.5	1168.6	1413.4	1636.0	1773.3
47.5°	2303.8	2277.8	2240.7	1680.6	1235.4	1350.4	1294.7	1283.6	1558.1	1903.1	2025.6
50°	2648.8	2600.6	2522.7	2007.0	1439.4	1472.8	1435.7	1428.3	1732.5	2177.7	2311.2
52.5°	3008.7	2971.6	2808.3	2314.9	1743.6	1650.9	1610.1	1650.9	1958.8	2481.9	2604.3
55°	3197.9	3160.8	3056.9	2645.1	2036.7	1880.9	1810.4	1884.6	2307.5	2767.5	2927.1
57.5°	3353.7	3342.6	3294.3	2990.1	2392.8	2125.7	2055.2	2125.7	2585.7	3034.6	3223.8
60°	3576.3	3531.8	3576.3	3324.0	2737.9	2426.2	2329.8	2404.0	2927.1	3268.4	3550.3
62.5°	3735.8	3724.7	3813.7	3698.7	3027.2	2741.6	2600.6	2671.1	3227.5	3516.9	3873.1
65°	3565.1	3620.8	3976.9	3943.5	3353.7	3064.3	2915.9	2893.7	3472.4	3784.0	4218.1
67.5°	3260.9	3298.0	3817.4	4069.7	3639.3	3390.8	3212.7	3108.8	3698.7	4025.2	4492.6
70°	2971.6	3016.1	3490.9	4077.1	3776.6	3810.0	3561.4	3368.5	3925.0	4296.0	4552.0
72.5°	2741.6	2782.4	3209.0	3988.1	3824.8	4229.2	3943.5	3643.0	4143.9	4303.4	3976.9
75°	1710.2	1739.9	2582.0	3568.9	3854.5	4607.6	4292.3	3899.0	4125.3	3706.1	2674.8
77.5°	526.8	537.9	1105.5	2355.7	3350.0	4570.5	4232.9	3665.3	3457.6	2352.0	1220.5
80°	181.8	185.5	285.7	838.4	2003.3	3468.7	3227.5	2697.0	2066.4	868.1	460.0
82.5°	85.3	92.7	133.6	281.9	816.2	1895.7	1906.9	1602.6	868.1	385.8	311.6
85°	29.7	29.7	55.6	122.4	315.3	730.8	693.7	645.5	456.3	348.7	289.4
87.5°	11.1	11.1	18.5	33.4	77.9	155.8	196.6	241.1	241.1	244.8	293.1
90°	11.1	11.1	7.4	7.4	55.6	163.2	196.6	218.9	200.3	222.6	319.0
92.5°	11.1	11.1	7.4	7.4	59.4	189.2	218.9	237.4	211.5	237.4	352.4
95°	11.1	11.1	7.4	7.4	66.8	230.0	256.0	252.3	211.5	248.6	378.4
97.5°	14.8	14.8	7.4	3.7	59.4	244.8	274.5	267.1	181.8	189.2	296.8
100°	14.8	14.8	7.4	3.7	37.1	181.8	218.9	215.2	118.7	29.7	85.3
102.5°	14.8	14.8	7.4	3.7	7.4	85.3	103.9	107.6	70.5	11.1	14.8
105°	18.5	18.5	7.4	3.7	3.7	14.8	33.4	44.5	26.0	7.4	14.8
107.5°	18.5	18.5	7.4	3.7	3.7	7.4	7.4	11.1	11.1	7.4	18.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	14.8	14.8	3.7	7.4	3.7	3.7	3.7	3.7	3.7	7.4	18.5
115°	7.4	7.4	3.7	3.7	0.0	3.7	3.7	3.7	3.7	7.4	14.8
117.5°	3.7	3.7	0.0	3.7	0.0	3.7	3.7	3.7	7.4	7.4	18.5
120°	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7	3.7	11.1	22.3
122.5°	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7	3.7	11.1	22.3
125°	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7	3.7	11.1	22.3
127.5°	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7	3.7	11.1	18.5
130°	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7	3.7	7.4	14.8
132.5°	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7	3.7	7.4	11.1
135°	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	7.4
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7
140°	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7
145°	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7
147.5°	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
150°	11.1	11.1	7.4	3.7	0.0	0.0	3.7	3.7	3.7	3.7	3.7
152.5°	7.4	7.4	11.1	3.7	0.0	0.0	3.7	3.7	7.4	3.7	3.7
155°	7.4	7.4	3.7	0.0	0.0	0.0	0.0	3.7	3.7	7.4	7.4
157.5°	3.7	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7
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°	790.2	790.2	790.2	790.2	790.2	790.2	790.2	790.2	790.2	790.2	790.2
2.5°	782.8	779.1	767.9	760.5	749.4	738.3	682.6	649.2	645.5	641.8	645.5
5°	767.9	756.8	738.3	652.9	612.1	575.0	563.9	556.5	537.9	537.9	541.6
7.5°	664.1	656.6	597.3	571.3	537.9	504.5	474.9	452.6	397.0	378.4	371.0
10°	582.4	567.6	463.7	411.8	378.4	341.3	341.3	311.6	296.8	285.7	281.9
12.5°	504.5	493.4	408.1	374.7	281.9	244.8	226.3	207.8	196.6	189.2	185.5
15°	589.9	571.3	437.8	300.5	207.8	174.4	137.3	133.6	166.9	174.4	178.1
17.5°	471.1	482.3	389.5	263.4	170.7	107.6	118.7	141.0	159.5	159.5	155.8
20°	627.0	601.0	422.9	211.5	122.4	107.6	115.0	103.9	148.4	159.5	159.5
22.5°	456.3	434.0	348.7	196.6	96.5	103.9	96.5	122.4	137.3	122.4	126.1
25°	678.9	645.5	404.4	137.3	100.2	89.0	111.3	96.5	133.6	144.7	148.4
27.5°	842.1	730.8	397.0	129.8	89.0	100.2	92.7	111.3	107.6	115.0	115.0
30°	1005.4	942.3	448.9	118.7	89.0	85.3	96.5	96.5	122.4	133.6	133.6
32.5°	1075.8	1001.7	393.2	115.0	89.0	85.3	85.3	103.9	115.0	137.3	137.3
35°	1150.0	1049.9	330.2	107.6	85.3	81.6	81.6	103.9	122.4	137.3	141.0
37.5°	1250.2	1101.8	267.1	103.9	81.6	77.9	70.5	92.7	129.8	144.7	148.4
40°	1376.3	1176.0	207.8	96.5	74.2	70.5	66.8	92.7	111.3	129.8	129.8
42.5°	1573.0	1257.6	163.2	92.7	70.5	63.1	63.1	77.9	107.6	122.4	122.4
45°	1773.3	1354.1	137.3	89.0	66.8	59.4	59.4	77.9	81.6	103.9	103.9
47.5°	1995.9	1450.5	126.1	85.3	66.8	51.9	51.9	70.5	70.5	96.5	100.2
50°	2225.9	1532.2	118.7	81.6	59.4	48.2	59.4	48.2	59.4	92.7	100.2
52.5°	2426.2	1598.9	111.3	74.2	55.6	44.5	55.6	48.2	59.4	85.3	85.3
55°	2630.3	1636.0	107.6	70.5	51.9	37.1	55.6	51.9	55.6	77.9	77.9
57.5°	2812.0	1647.2	103.9	70.5	44.5	33.4	51.9	63.1	48.2	63.1	70.5
60°	2975.3	1636.0	92.7	63.1	33.4	33.4	55.6	74.2	66.8	74.2	74.2
62.5°	3127.4	1595.2	74.2	51.9	26.0	33.4	70.5	81.6	63.1	77.9	85.3
65°	3257.2	1539.6	55.6	40.8	18.5	37.1	74.2	92.7	74.2	89.0	96.5
67.5°	3316.6	1465.4	44.5	33.4	18.5	40.8	77.9	103.9	85.3	100.2	107.6
70°	3216.4	1313.3	37.1	33.4	14.8	48.2	81.6	111.3	96.5	126.1	129.8
72.5°	2671.1	1031.3	33.4	33.4	26.0	59.4	103.9	126.1	118.7	170.7	166.9
75°	1769.6	563.9	33.4	29.7	33.4	70.5	126.1	148.4	129.8	192.9	192.9
77.5°	816.2	248.6	29.7	33.4	37.1	77.9	144.7	178.1	148.4	218.9	215.2
80°	356.1	152.1	29.7	29.7	40.8	85.3	163.2	200.3	163.2	241.1	241.1
82.5°	267.1	137.3	26.0	29.7	55.6	96.5	189.2	222.6	181.8	259.7	256.0
85°	248.6	129.8	29.7	33.4	63.1	122.4	222.6	241.1	189.2	267.1	267.1
87.5°	252.3	126.1	29.7	33.4	85.3	155.8	252.3	259.7	207.8	281.9	281.9
90°	259.7	129.8	33.4	37.1	96.5	170.7	281.9	278.2	233.7	296.8	296.8
92.5°	278.2	129.8	37.1	40.8	103.9	189.2	307.9	285.7	252.3	307.9	300.5
95°	289.4	129.8	40.8	44.5	122.4	207.8	326.5	278.2	267.1	285.7	278.2
97.5°	215.2	96.5	48.2	51.9	126.1	233.7	300.5	237.4	174.4	170.7	174.4
100°	70.5	33.4	51.9	55.6	81.6	163.2	222.6	170.7	92.7	70.5	70.5
102.5°	18.5	18.5	48.2	51.9	44.5	70.5	129.8	111.3	63.1	3.7	7.4
105°	18.5	14.8	29.7	40.8	26.0	18.5	51.9	63.1	48.2	3.7	3.7
107.5°	18.5	14.8	14.8	22.3	7.4	7.4	14.8	14.8	14.8	3.7	3.7



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	22.3	14.8	7.4	7.4	7.4	3.7	3.7	3.7	3.7	11.1	14.8
115°	18.5	14.8	3.7	7.4	3.7	3.7	3.7	3.7	7.4	14.8	18.5
117.5°	18.5	14.8	3.7	3.7	3.7	3.7	3.7	3.7	7.4	18.5	22.3
120°	22.3	18.5	3.7	3.7	3.7	3.7	3.7	3.7	7.4	22.3	22.3
122.5°	22.3	18.5	3.7	3.7	3.7	3.7	0.0	3.7	11.1	22.3	22.3
125°	22.3	18.5	3.7	3.7	3.7	0.0	0.0	3.7	11.1	22.3	26.0
127.5°	18.5	14.8	3.7	3.7	3.7	0.0	0.0	3.7	7.4	18.5	22.3
130°	14.8	11.1	3.7	3.7	3.7	0.0	0.0	0.0	7.4	18.5	18.5
132.5°	11.1	7.4	3.7	3.7	3.7	0.0	0.0	0.0	7.4	14.8	14.8
135°	7.4	7.4	3.7	3.7	3.7	0.0	0.0	0.0	3.7	11.1	11.1
137.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	3.7	3.7	3.7
140°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
155°	7.4	7.4	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.7	3.7	3.7	3.7	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° | 18.5 18.5 7.4 7.4 3.7 3.7 3.7 3.7 7.4 7.4 18.5



110°	18.5	14.8	7.4	7.4	7.4	7.4	7.4	3.7	3.7	7.4	7.4
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(END OF REPORT)