Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: INVUE

Report Number: P670874

Luminaire Tested: **CCP-SA-1F-835-U-T3**

Issue Date: 04/16/2023

Report Generated By 670245763

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P670874
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	04/16/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	INVUE
Catalog Number:	CCP-SA-1F-835-U-T3
Description:	INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T3 distribution lens
Light Source:	(16) 3500K CCT, 80 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6242.2 lumens
Efficiency:	N/A
Efficacy:	93.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	67
Input Voltage (V):	120
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:	25 FT

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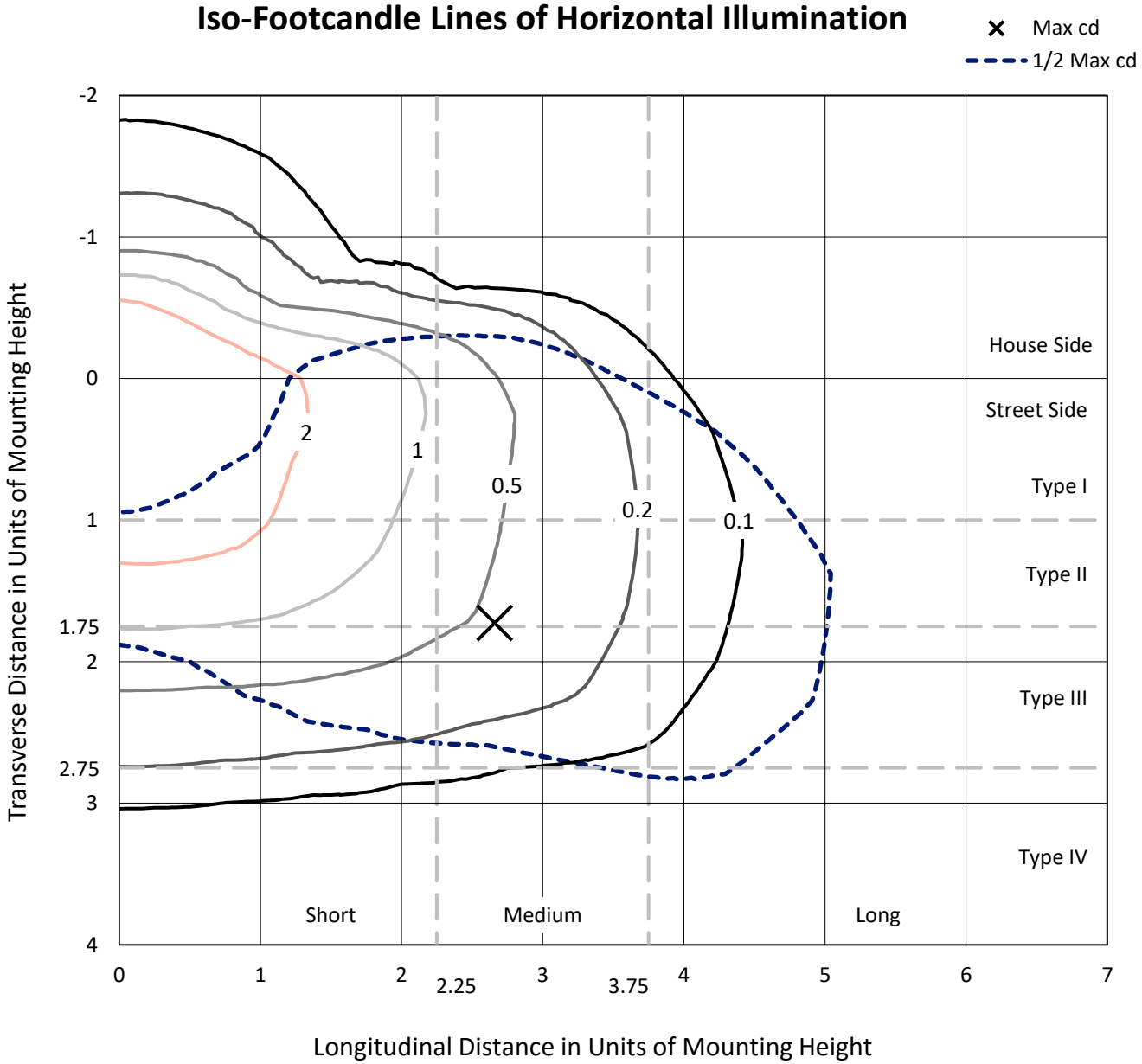
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 3.8 fc
Type III - Medium - N/A

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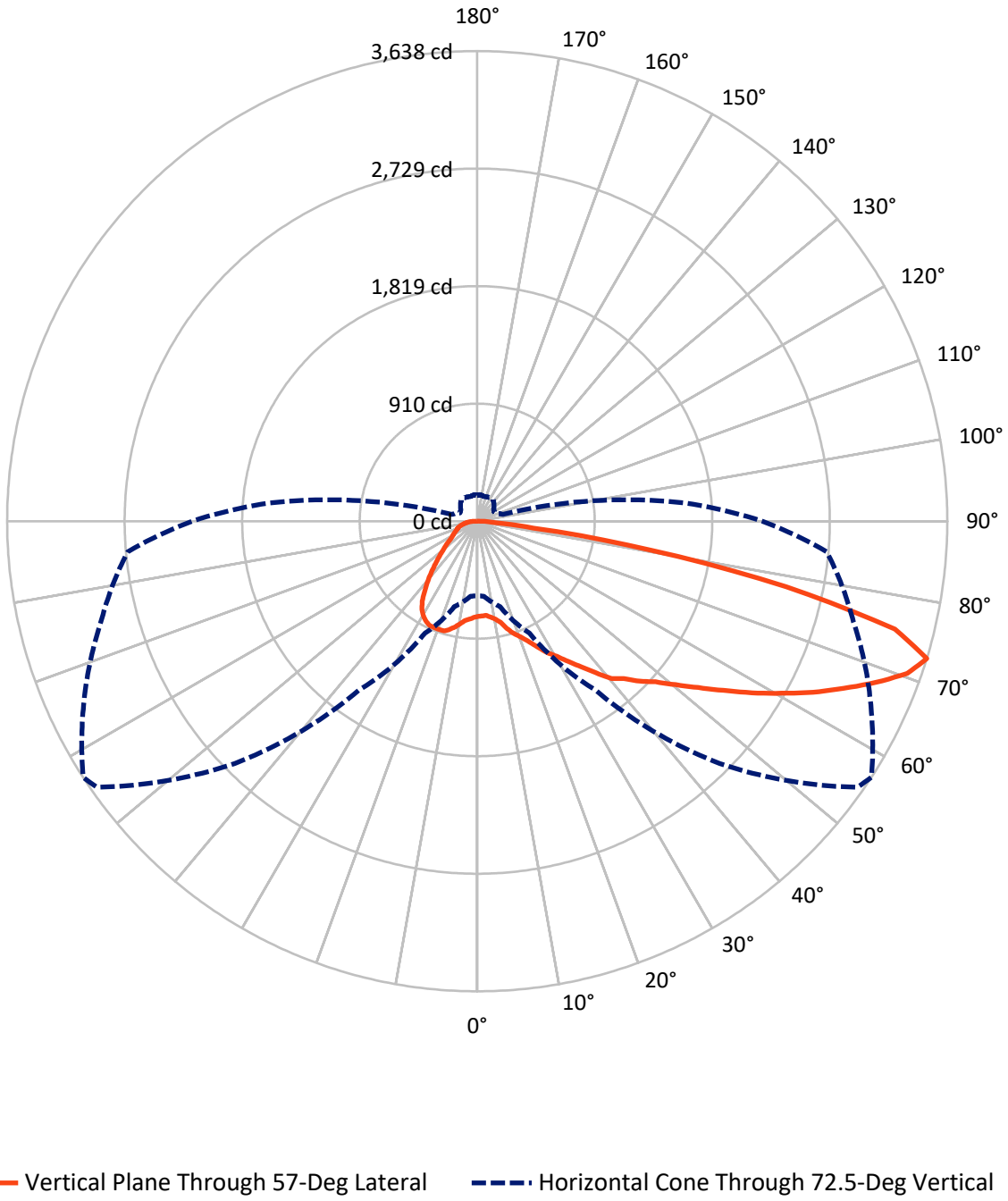
Luminous Intensity Polar Plot



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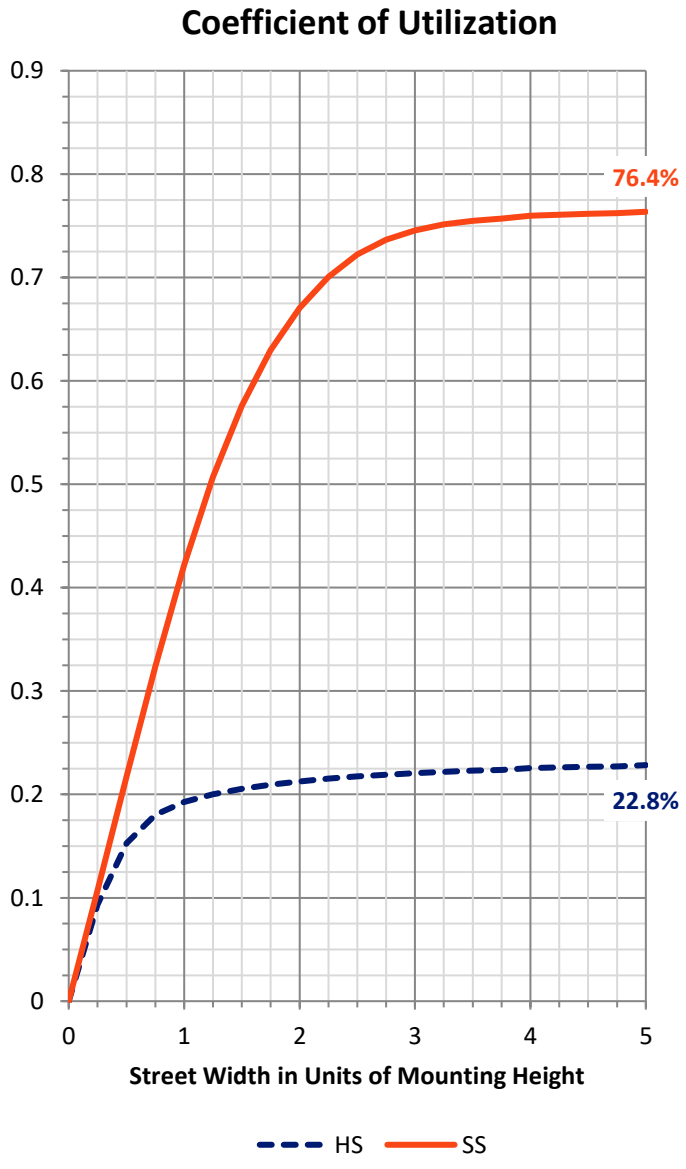
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1457.8	0.0	1457.8
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	4784.5	0.0	4784.5
	% Fixture	76.6	0.0	76.6
Total	Lumens	6242.2	0.0	6242.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.1	1.2
10°-20°	246.5	3.9
20°-30°	450.6	7.2
30°-40°	661.0	10.6
40°-50°	910.2	14.6
50°-60°	1248.1	20.0
60°-70°	1504.5	24.1
70°-80°	1002.2	16.1
80°-90°	146.0	2.3
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°	6242.2	100.0
0°-180°	6242.2	100.0



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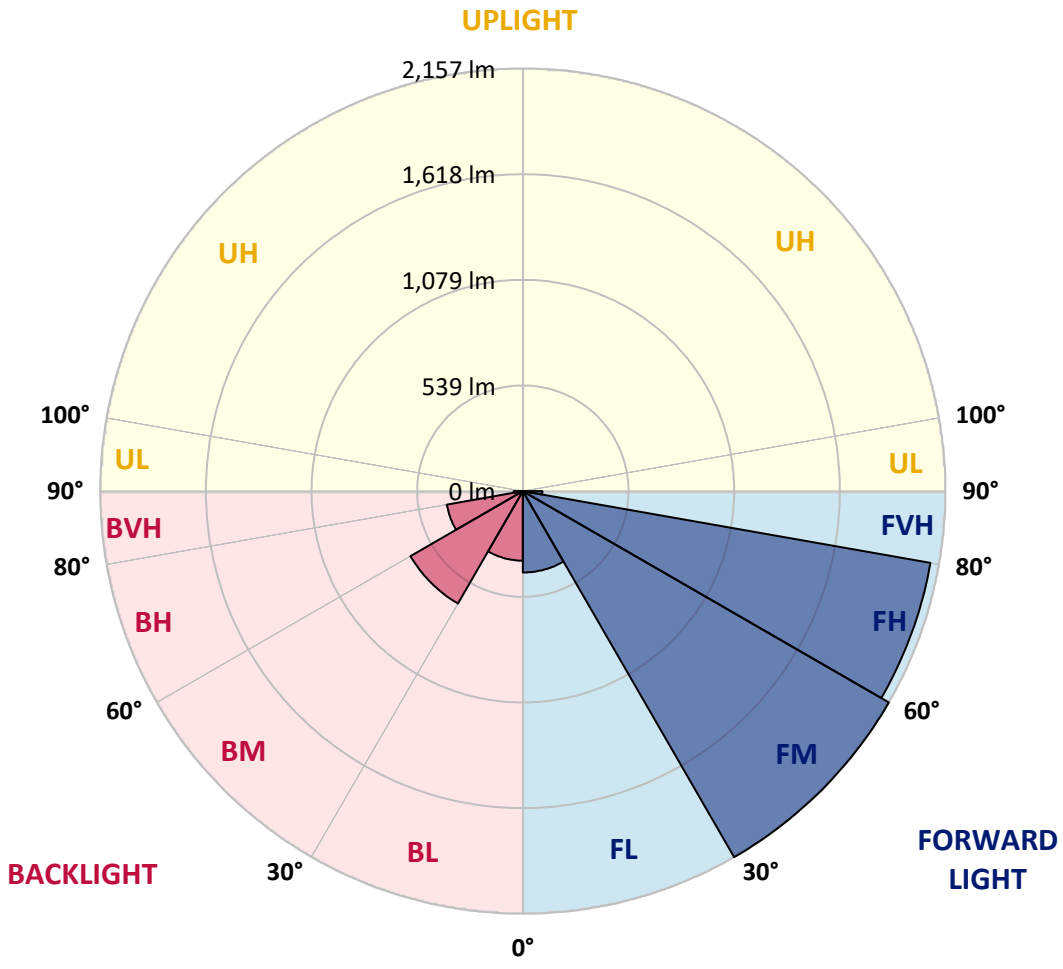
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	415.3	6.7			
FM	(30°-60°)	2157.2	34.6			
FH	(60°-80°)	2112.6	33.8			G2/5000
FVH	(80°-90°)	99.4	1.6			G1/100
BL	(0°-30°)	354.9	5.7	B1/500		
BM	(30°-60°)	662.1	10.6	B1/1000		
BH	(60°-80°)	394.1	6.3	B1/500		G1/500
BVH	(80°-90°)	46.6	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	736.8	736.8	736.8	736.8	736.8	736.8	736.8	*736.8*	736.8	736.8	736.8
2.5°	723.1	725.4	730.0	727.7	727.7	720.9	732.2	*734.5*	730.0	732.2	736.8
5°	723.1	727.7	734.5	730.0	732.2	730.0	725.4	*732.2*	732.2	734.5	741.3
7.5°	761.8	759.5	759.5	752.7	750.4	748.2	750.4	*750.4*	745.9	748.2	748.2
10°	805.0	805.0	800.5	800.5	795.9	784.5	773.2	*770.9*	764.1	766.3	766.3
12.5°	850.5	855.0	859.6	845.9	841.4	823.2	816.4	*802.7*	802.7	798.2	795.9
15°	907.3	900.5	905.1	900.5	889.1	871.0	859.6	*861.9*	845.9	841.4	834.6
17.5°	957.4	959.6	952.8	948.3	927.8	914.2	916.4	*914.2*	893.7	886.9	875.5
20°	1016.5	1014.2	1014.2	1000.6	982.4	964.2	957.4	*955.1*	959.6	946.0	918.7
22.5°	1077.9	1068.8	1068.8	1057.4	1032.4	1021.0	1016.5	*1007.4*	1011.9	1000.6	959.6
25°	1127.9	1127.9	1143.8	1121.1	1107.4	1084.7	1075.6	*1077.9*	1080.2	1057.4	1009.7
27.5°	1193.9	1182.5	1198.4	1187.0	1180.2	1155.2	1143.8	*1150.7*	1146.1	1121.1	1055.1
30°	1278.0	1280.3	1271.2	1255.3	1246.2	1228.0	1221.2	*1214.3*	1221.2	1189.3	1105.2
32.5°	1382.6	1389.4	1366.7	1348.5	1332.6	1314.4	1300.7	*1293.9*	1300.7	1253.0	1143.8
35°	1503.1	1510.0	1491.8	1471.3	1453.1	1407.6	1396.3	*1384.9*	1359.9	1282.5	1180.2
37.5°	1614.6	1605.5	1600.9	1600.9	1566.8	1500.9	1494.0	*1487.2*	1439.5	1341.7	1230.2
40°	1689.6	1701.0	1696.4	1691.9	1687.3	1625.9	1612.3	*1600.9*	1521.3	1430.4	1300.7
42.5°	1773.7	1766.9	1785.1	1791.9	1776.0	1757.8	1703.2	*1664.6*	1594.1	1521.3	1405.3
45°	1873.8	1869.2	1876.1	1901.1	1878.3	1885.2	1794.2	*1766.9*	1678.2	1635.0	1537.2
47.5°	1962.5	1973.9	2008.0	2014.8	1996.6	2028.4	1901.1	*1857.9*	1801.0	1766.9	1673.7
50°	2001.1	2014.8	2092.1	2139.9	2142.1	2192.2	2008.0	*1989.8*	1912.5	1926.1	1844.2
52.5°	1969.3	2012.5	2105.7	2230.8	2308.1	2358.2	2149.0	*2139.9*	2069.4	2112.6	2030.7
55°	1998.9	2039.8	2101.2	2276.3	2471.9	2483.2	2344.5	*2310.4*	2239.9	2299.0	2224.0
57.5°	2012.5	1989.8	2105.7	2326.3	2592.4	2621.9	2531.0	*2506.0*	2451.4	2508.2	2465.0
60°	1905.6	1932.9	2042.1	2312.7	2599.2	2769.8	2740.2	*2703.8*	2653.8	2706.1	2681.1
62.5°	1785.1	1803.3	1921.5	2230.8	2637.9	2876.6	2942.6	*2915.3*	2844.8	2890.3	2933.5
65°	1632.7	1635.0	1766.9	2085.3	2562.8	2938.0	3120.0	*3117.7*	3067.7	3056.3	3124.5
67.5°	1446.3	1464.5	1569.1	1930.6	2460.5	3006.3	3295.1	*3329.2*	3229.1	3140.4	3165.4
70°	1109.7	1127.9	1228.0	1582.7	2251.3	2985.8	3511.1	*3529.3*	3333.7	3108.6	3044.9
72.5°	*577.6*	*582.2*	*684.5*	*955.1*	*1596.4*	*2651.5*	*3590.7*	*3638.4*	*3361.0*	*3015.4*	*2715.2*
75°	191.0	191.0	234.2	363.8	752.7	1696.4	3251.9	*3338.3*	3226.8	2783.4	2221.7
77.5°	113.7	116.0	138.7	181.9	300.2	677.7	2292.2	*2444.6*	2640.1	2367.3	1623.7
80°	81.9	84.1	104.6	125.1	179.6	218.3	1150.7	*1362.1*	1621.4	1523.6	866.4
82.5°	61.4	61.4	81.9	93.2	122.8	129.6	320.6	*438.9*	700.4	545.8	238.8
85°	63.7	63.7	63.7	65.9	84.1	75.0	134.2	*143.3*	204.7	179.6	65.9
87.5°	22.7	25.0	63.7	43.2	43.2	31.8	52.3	*56.9*	72.8	75.0	25.0
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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	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8	736.8
2.5°	739.1	739.1	741.3	741.3	745.9	750.4	757.2	752.7	752.7	755.0	752.7
5°	736.8	739.1	745.9	757.2	761.8	764.1	777.7	777.7	777.7	782.3	782.3
7.5°	745.9	750.4	761.8	773.2	775.4	782.3	800.5	805.0	816.4	820.9	823.2
10°	768.6	775.4	784.5	798.2	807.3	816.4	830.0	845.9	843.7	857.3	859.6
12.5°	802.7	800.5	816.4	830.0	839.1	852.8	857.3	857.3	857.3	857.3	861.9
15°	830.0	834.6	848.2	857.3	868.7	866.4	857.3	848.2	850.5	848.2	848.2
17.5°	871.0	871.0	882.3	884.6	889.1	866.4	852.8	852.8	859.6	859.6	855.0
20°	911.9	909.6	914.2	911.9	882.3	855.0	852.8	855.0	857.3	855.0	852.8
22.5°	950.5	946.0	939.2	930.1	877.8	852.8	848.2	836.8	825.5	825.5	818.6
25°	984.7	980.1	961.9	934.6	875.5	839.1	816.4	789.1	775.4	768.6	777.7
27.5°	1016.5	1007.4	982.4	934.6	855.0	802.7	759.5	725.4	714.0	704.9	714.0
30°	1059.7	1043.8	1009.7	927.8	823.2	745.9	686.8	645.8	634.5	620.8	625.4
32.5°	1098.4	1062.0	1032.4	907.3	782.3	682.2	614.0	573.1	552.6	541.2	550.3
35°	1139.3	1102.9	1041.5	875.5	718.6	604.9	536.7	498.0	482.1	466.2	466.2
37.5°	1180.2	1159.8	1055.1	816.4	641.3	532.1	470.7	441.2	413.9	384.3	384.3
40°	1266.6	1239.3	1071.1	748.2	564.0	461.6	418.4	379.8	352.5	311.5	309.3
42.5°	1357.6	1298.5	1071.1	666.3	495.7	411.6	370.7	329.7	279.7	254.7	257.0
45°	1473.6	1405.3	1041.5	593.5	427.5	370.7	325.2	272.9	250.1	234.2	234.2
47.5°	1619.1	1512.2	1005.1	513.9	372.9	334.3	277.4	245.6	229.7	216.0	213.8
50°	1791.9	1610.0	959.6	445.7	327.5	300.2	252.4	227.4	213.8	204.7	204.7
52.5°	1973.9	1753.3	927.8	384.3	291.1	254.7	234.2	218.3	206.9	200.1	197.8
55°	2158.0	1896.5	905.1	318.4	257.0	234.2	229.7	216.0	211.5	204.7	200.1
57.5°	2365.0	2014.8	900.5	272.9	229.7	225.1	234.2	222.9	216.0	209.2	202.4
60°	2587.8	2174.0	859.6	236.5	216.0	220.6	227.4	216.0	211.5	204.7	200.1
62.5°	2808.4	2292.2	748.2	209.2	202.4	206.9	216.0	206.9	200.1	202.4	204.7
65°	2899.4	2301.3	579.9	188.7	186.5	188.7	202.4	200.1	193.3	206.9	206.9
67.5°	2808.4	2219.4	409.3	170.6	170.6	181.9	204.7	209.2	202.4	220.6	218.3
70°	2601.5	2017.1	277.4	159.2	163.7	193.3	211.5	206.9	197.8	220.6	216.0
72.5°	*2208.1*	*1614.6*	*202.4*	*147.8*	*154.6*	*184.2*	*209.2*	*204.7*	*197.8*	*206.9*	*197.8*
75°	1657.8	1148.4	159.2	134.2	136.4	166.0	216.0	204.7	186.5	181.9	175.1
77.5°	1107.4	709.5	122.8	118.2	118.2	145.5	206.9	191.0	168.3	161.5	159.2
80°	527.6	284.3	97.8	100.1	102.3	125.1	188.7	170.6	152.4	143.3	143.3
82.5°	168.3	106.9	81.9	81.9	81.9	102.3	156.9	143.3	131.9	125.1	113.7
85°	59.1	59.1	70.5	72.8	65.9	75.0	129.6	122.8	109.2	91.0	88.7
87.5°	22.7	34.1	47.8	56.9	40.9	52.3	93.2	86.4	79.6	59.1	56.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)