

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: P670707

Luminaire Tested: **CCP-SA-1E-827-U-T2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670707
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-827-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2
distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5013.3 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

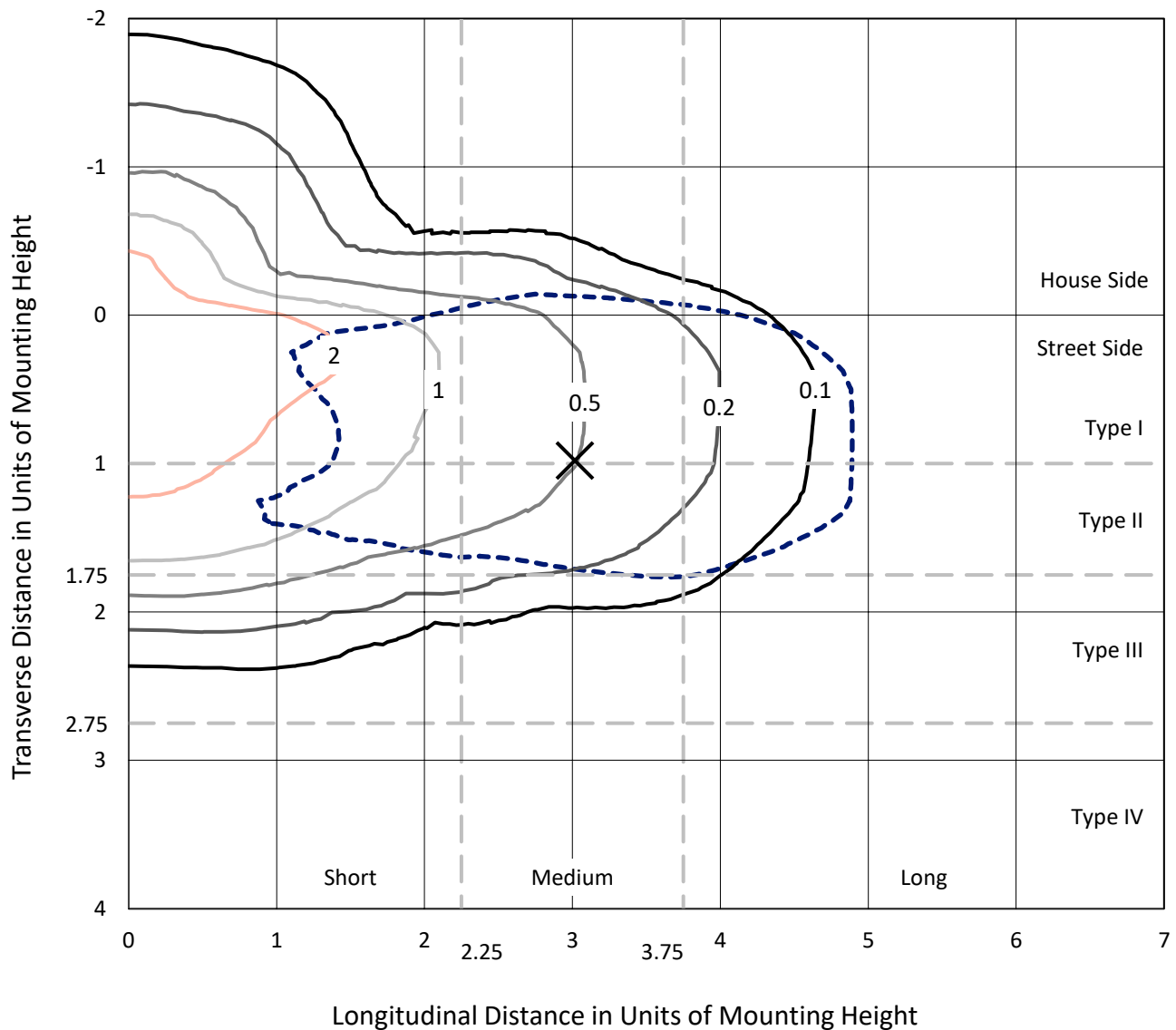
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

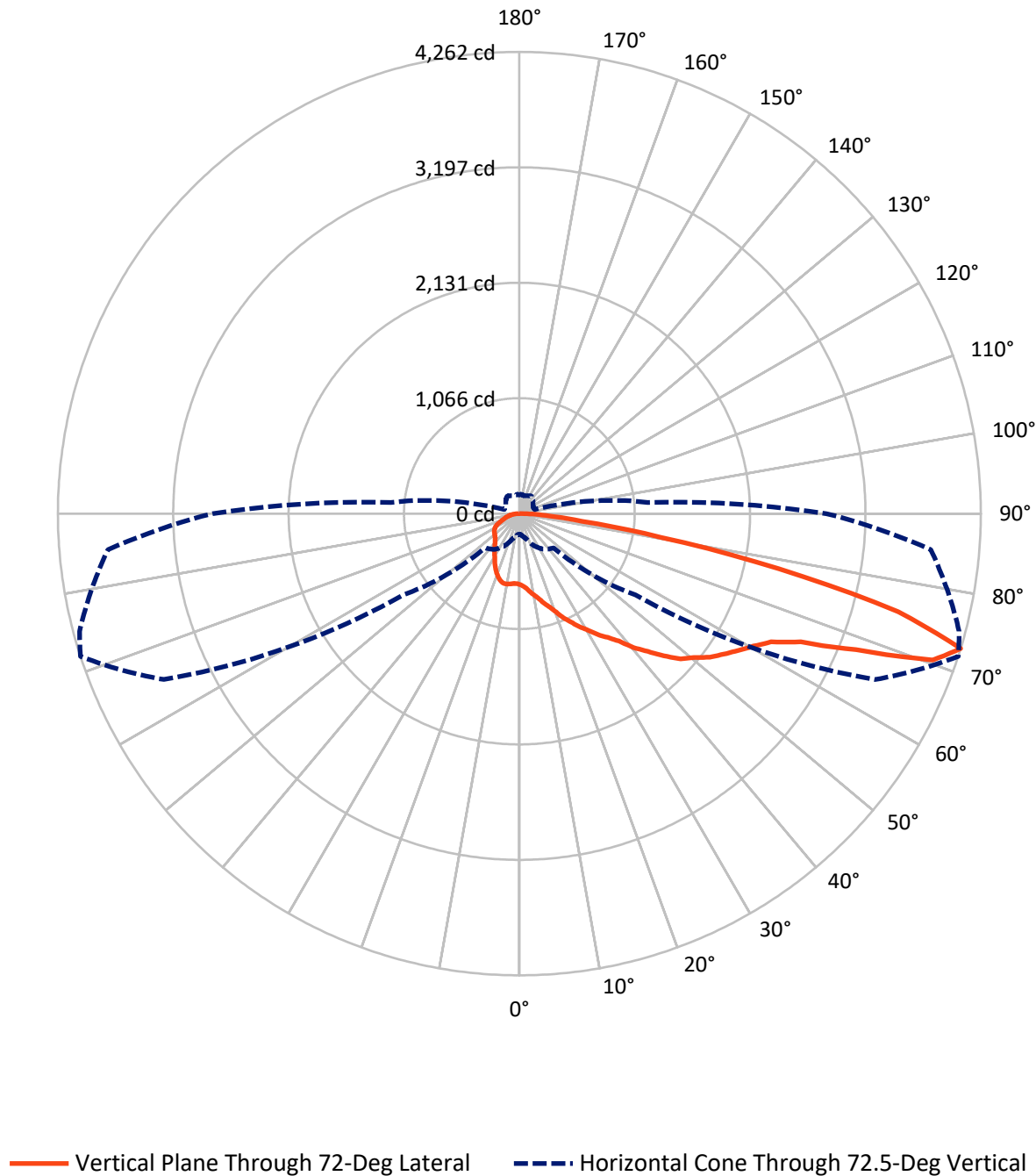
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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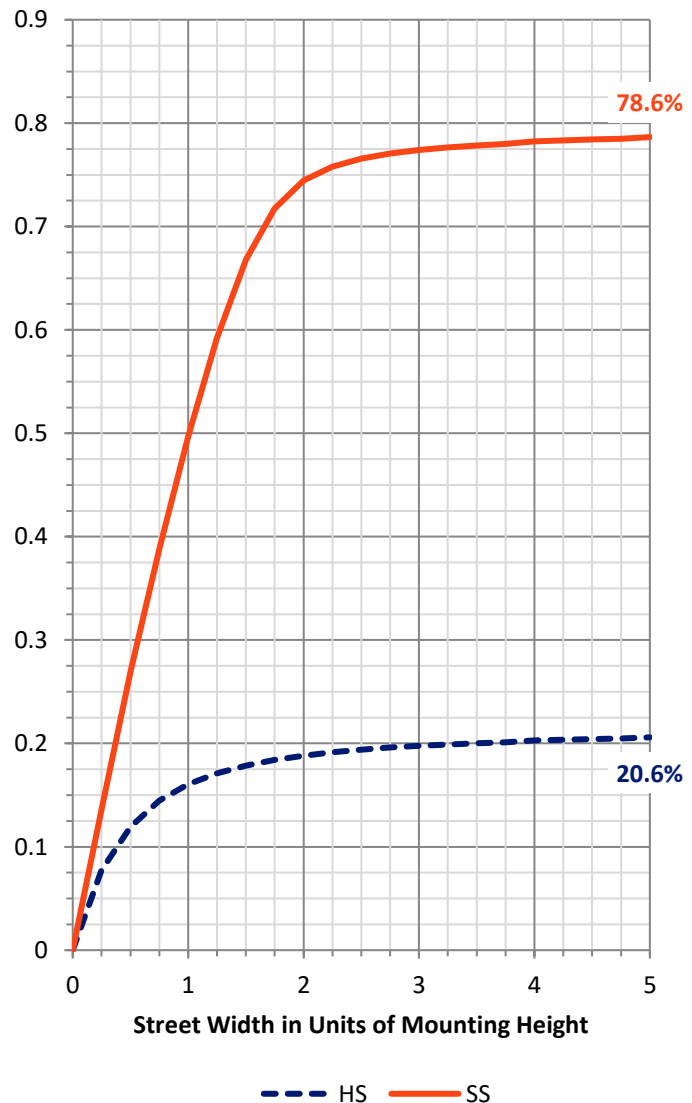
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1055.0	0.0	1055.0
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	3958.3	0.0	3958.3
	% Fixture	79.0	0.0	79.0
Total	Lumens	5013.3	0.0	5013.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.7	1.3
10°-20°	201.2	4.0
20°-30°	348.1	6.9
30°-40°	514.2	10.3
40°-50°	764.7	15.3
50°-60°	1048.3	20.9
60°-70°	1137.1	22.7
70°-80°	801.7	16.0
80°-90°	133.2	2.7
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°	5013.3	100.0
0°-180°	5013.3	100.0

Coefficient of Utilization



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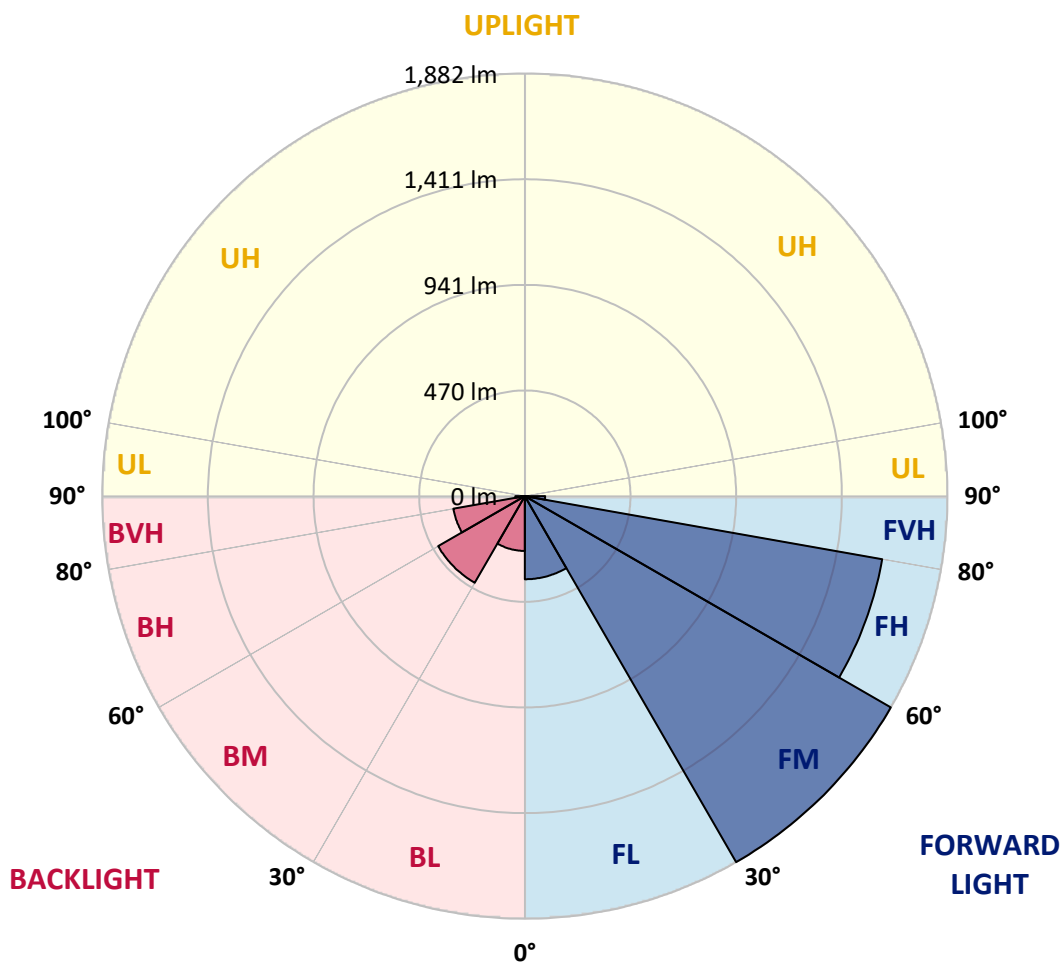
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	370.2	7.4			
FM	(30°-60°)	1881.6	37.5			
FH	(60°-80°)	1615.6	32.2			G1/1800
FVH	(80°-90°)	90.8	1.8			G1/100
BL	(0°-30°)	243.9	4.9	B1/500		
BM	(30°-60°)	445.6	8.9	B1/1000		
BH	(60°-80°)	323.2	6.4	B1/500		G1/500
BVH	(80°-90°)	42.4	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	654.9	654.9	654.9	654.9	654.9	654.9	654.9	654.9	654.9	654.9	654.9
2.5°	706.7	706.7	701.1	699.3	699.3	684.5	686.3	677.1	669.7	669.7	662.3
5°	743.7	740.0	740.0	740.0	730.7	725.2	723.3	706.7	693.7	695.6	673.4
7.5°	752.9	754.8	756.6	765.9	760.3	764.0	760.3	741.8	732.6	723.3	703.0
10°	758.5	762.2	762.2	775.1	775.1	784.4	789.9	782.5	765.9	756.6	723.3
12.5°	771.4	765.9	773.3	782.5	791.8	808.4	825.1	817.7	806.6	795.5	758.5
15°	771.4	773.3	778.8	793.6	808.4	825.1	854.7	865.8	860.2	839.9	801.0
17.5°	749.2	743.7	769.6	797.3	825.1	845.4	884.3	910.2	906.5	899.1	839.9
20°	751.1	756.6	765.9	789.9	834.3	871.3	919.4	962.0	971.2	967.5	891.7
22.5°	784.4	786.2	795.5	806.6	841.7	889.8	962.0	1030.4	1047.1	1037.8	949.0
25°	817.7	832.5	832.5	839.9	852.8	902.8	989.7	1085.9	1110.0	1111.8	1008.2
27.5°	871.3	875.0	886.1	889.8	900.9	930.5	1021.2	1126.6	1182.1	1174.7	1061.9
30°	934.2	936.1	943.5	939.8	941.6	978.6	1050.8	1172.9	1248.7	1250.6	1119.2
32.5°	1008.2	1023.0	1026.7	1002.7	1006.4	1015.6	1097.0	1228.4	1332.0	1319.0	1169.2
35°	1117.4	1122.9	1111.8	1100.7	1073.0	1067.4	1145.1	1283.9	1404.1	1418.9	1243.2
37.5°	1252.4	1267.2	1252.4	1193.2	1163.6	1141.4	1204.3	1344.9	1491.1	1541.0	1317.2
40°	1378.2	1376.4	1361.6	1307.9	1256.1	1239.5	1289.4	1430.0	1626.1	1674.2	1424.5
42.5°	1480.0	1474.4	1465.2	1424.5	1376.4	1348.6	1387.5	1518.8	1739.0	1831.5	1548.4
45°	1568.8	1561.4	1563.2	1517.0	1470.7	1485.5	1485.5	1620.6	1872.2	1986.9	1690.9
47.5°	1652.0	1655.7	1650.2	1615.0	1579.9	1618.7	1598.4	1737.1	2003.5	2131.1	1811.1
50°	1748.2	1755.6	1737.1	1714.9	1683.5	1722.3	1696.4	1846.3	2088.6	2262.5	1955.4
52.5°	1838.9	1846.3	1862.9	1835.2	1803.7	1835.2	1776.0	1948.0	2201.4	2390.1	2066.4
55°	1861.1	1857.4	1949.9	1979.5	1996.1	1901.8	1846.3	2035.0	2290.2	2471.5	2192.2
57.5°	1759.3	1768.6	1894.4	1979.5	2157.0	2075.7	1925.8	2136.7	2382.7	2578.8	2308.7
60°	1505.9	1511.4	1668.7	1870.3	2129.3	2238.4	2140.4	2268.0	2484.5	2669.5	2440.1
62.5°	1006.4	1048.9	1245.0	1561.4	1933.2	2282.8	2482.6	2490.0	2608.4	2784.2	2619.5
65°	530.9	551.3	704.8	960.1	1465.2	2129.3	2804.5	2930.3	2856.3	2995.1	2878.5
67.5°	347.8	355.2	438.4	582.7	845.4	1554.0	2841.5	3694.4	3354.0	3396.5	3292.9
70°	259.0	262.7	323.7	431.0	523.5	830.6	2329.1	4051.4	4049.6	3936.7	3785.0
72.5°	190.5	196.1	238.6	329.3	403.3	447.7	1309.8	3624.1	4262.3	4205.0	3814.6
75°	149.8	153.5	175.7	255.3	325.6	294.1	664.1	2684.3	3614.8	3890.5	3490.9
77.5°	122.1	125.8	138.7	185.0	260.8	227.5	318.2	1731.6	2451.2	2800.8	2671.3
80°	101.7	101.7	111.0	131.3	201.6	172.0	188.7	973.1	1320.9	1457.8	1211.7
82.5°	86.9	85.1	92.5	96.2	149.8	123.9	122.1	440.3	580.9	616.0	455.1
85°	55.5	57.3	86.9	83.2	98.0	85.1	68.4	209.0	273.8	279.3	170.2
87.5°	22.2	22.2	37.0	46.2	55.5	51.8	33.3	94.3	120.2	120.2	48.1
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	654.9	654.9	654.9	654.9	654.9	654.9	654.9	654.9	654.9	654.9	654.9
2.5°	660.4	653.0	647.5	643.8	634.5	625.3	627.1	625.3	617.9	614.2	614.2
5°	667.8	660.4	651.2	636.4	627.1	616.0	619.7	612.3	604.9	610.5	601.2
7.5°	686.3	673.4	660.4	638.2	623.4	606.8	599.4	595.7	590.1	586.4	586.4
10°	712.2	693.7	669.7	636.4	612.3	586.4	582.7	575.3	569.8	569.8	567.9
12.5°	738.1	717.8	677.1	623.4	582.7	564.2	562.4	564.2	567.9	569.8	571.6
15°	771.4	738.1	675.2	599.4	558.7	551.3	560.5	567.9	575.3	582.7	580.9
17.5°	802.9	764.0	658.6	569.8	538.3	540.2	556.8	571.6	586.4	593.8	595.7
20°	845.4	788.1	634.5	534.6	518.0	534.6	556.8	575.3	592.0	601.2	603.1
22.5°	893.5	815.8	603.1	503.2	501.3	518.0	540.2	567.9	586.4	603.1	601.2
25°	936.1	834.3	562.4	477.3	481.0	492.1	518.0	547.6	566.1	584.6	579.0
27.5°	963.8	838.0	519.8	458.8	458.8	469.9	493.9	512.4	529.1	543.9	545.7
30°	995.3	830.6	471.7	434.7	434.7	449.5	458.8	469.9	479.1	482.8	486.5
32.5°	1032.3	814.0	442.1	416.2	416.2	427.3	432.9	429.2	427.3	418.1	423.6
35°	1067.4	789.9	408.8	392.2	399.6	405.1	403.3	392.2	381.1	364.4	358.9
37.5°	1110.0	765.9	379.2	366.3	379.2	381.1	381.1	368.1	353.3	333.0	333.0
40°	1174.7	747.4	355.2	349.6	362.6	360.7	351.5	342.2	347.8	336.7	336.7
42.5°	1243.2	740.0	333.0	334.8	340.4	342.2	333.0	321.9	344.1	331.1	333.0
45°	1328.3	745.5	318.2	316.3	329.3	327.4	321.9	312.6	320.0	286.7	277.5
47.5°	1407.8	756.6	310.8	303.4	318.2	321.9	314.5	294.1	283.0	262.7	259.0
50°	1480.0	780.7	303.4	288.6	303.4	310.8	297.8	275.6	262.7	249.7	249.7
52.5°	1548.4	815.8	299.7	271.9	284.9	294.1	286.7	264.5	249.7	244.2	238.6
55°	1618.7	847.3	294.1	260.8	264.5	283.0	281.2	251.6	236.8	236.8	234.9
57.5°	1718.6	889.8	286.7	242.3	249.7	270.1	270.1	246.0	229.4	231.2	233.1
60°	1820.4	939.8	279.3	223.8	229.4	257.1	260.8	238.6	223.8	225.7	223.8
62.5°	1983.2	1032.3	264.5	201.6	212.7	240.5	249.7	229.4	216.4	220.1	220.1
65°	2229.2	1191.4	233.1	183.1	196.1	225.7	238.6	220.1	205.3	216.4	212.7
67.5°	2625.1	1409.7	196.1	168.3	185.0	210.9	225.7	209.0	196.1	212.7	207.2
70°	2980.3	1517.0	168.3	155.4	168.3	194.2	210.9	197.9	185.0	201.6	194.2
72.5°	2836.0	1189.5	146.1	140.6	153.5	175.7	196.1	183.1	170.2	179.4	172.0
75°	2447.5	947.2	127.6	125.8	136.9	159.1	179.4	170.2	157.2	160.9	157.2
77.5°	1855.5	782.5	109.1	107.3	116.5	142.4	160.9	153.5	140.6	138.7	138.7
80°	828.8	384.8	90.6	90.6	96.2	122.1	136.9	133.2	120.2	118.4	116.5
82.5°	271.9	146.1	74.0	70.3	77.7	101.7	122.1	118.4	105.4	101.7	98.0
85°	109.1	70.3	53.6	53.6	61.0	85.1	109.1	101.7	85.1	75.8	75.8
87.5°	37.0	29.6	27.7	27.7	38.8	57.3	81.4	68.4	61.0	53.6	55.5
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)