

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: P671041

Luminaire Tested: **CCP-SA-2A-850-U-T4FT**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671041
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-850-U-T4FT
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T4FT distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4771.6 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

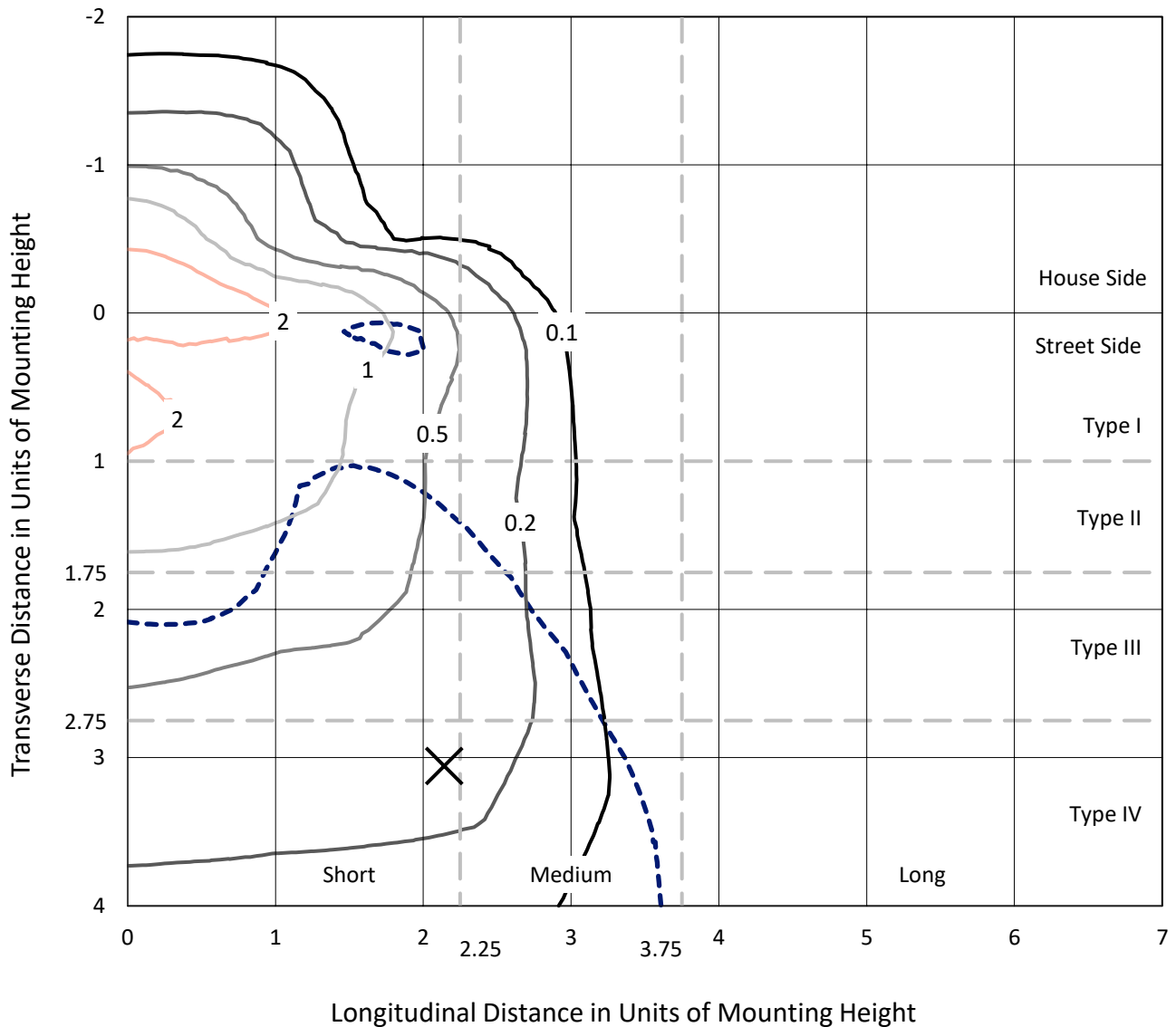
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

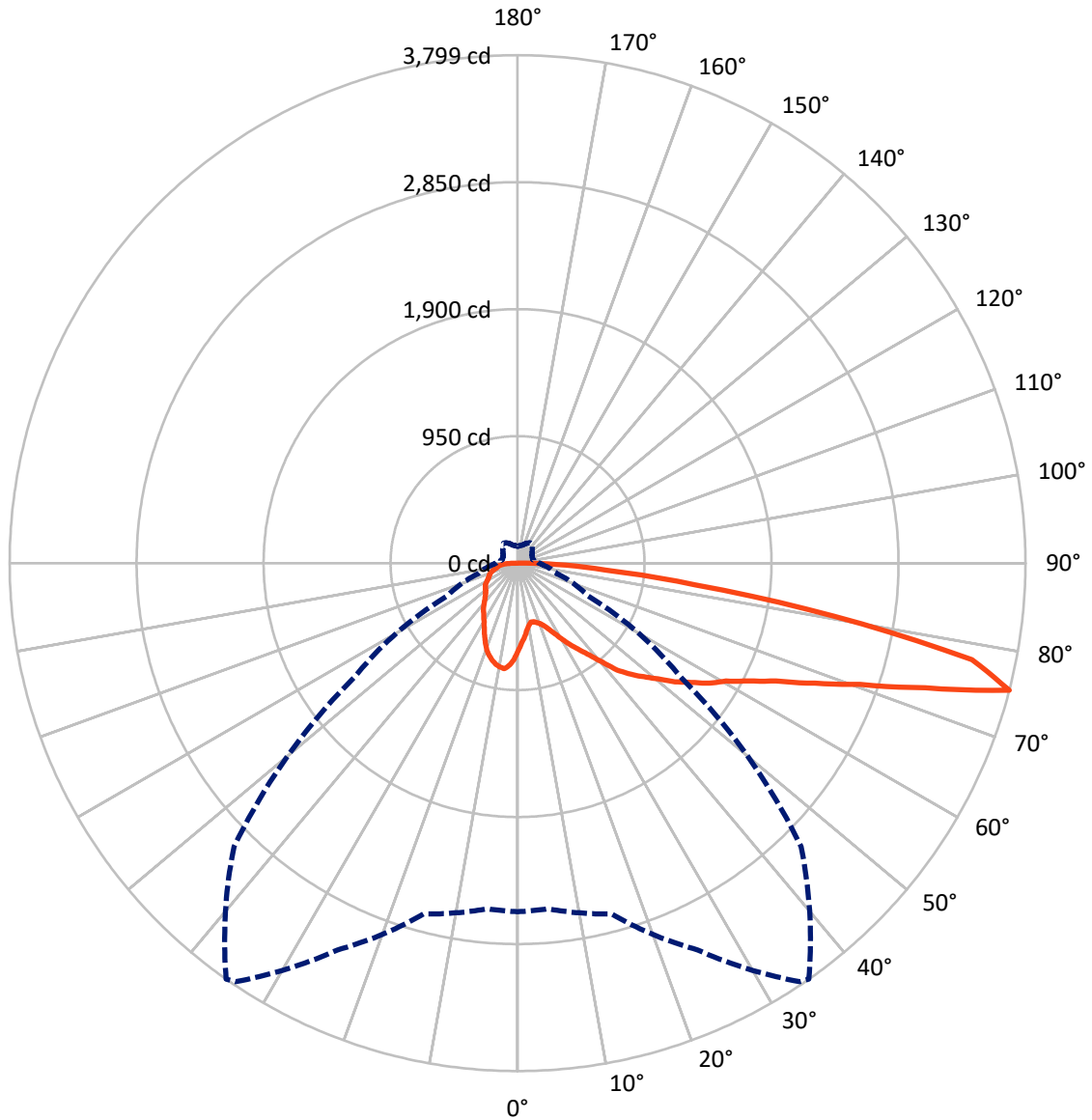
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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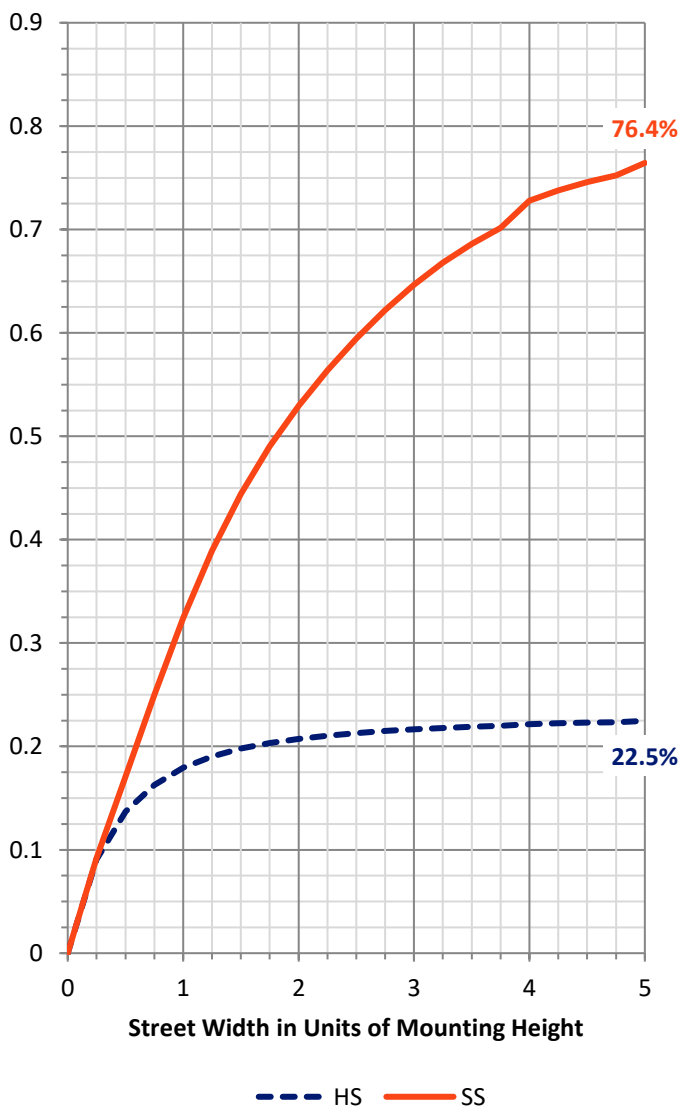
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1096.6	0.0	1096.6
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	3675.0	0.0	3675.0
	% Fixture	77.0	0.0	77.0
Total	Lumens	4771.6	0.0	4771.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	1.3
10°-20°	180.8	3.8
20°-30°	300.0	6.3
30°-40°	444.7	9.3
40°-50°	641.2	13.4
50°-60°	881.7	18.5
60°-70°	1089.1	22.8
70°-80°	996.4	20.9
80°-90°	175.4	3.7
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°	4771.6	100.0
0°-180°	4771.6	100.0



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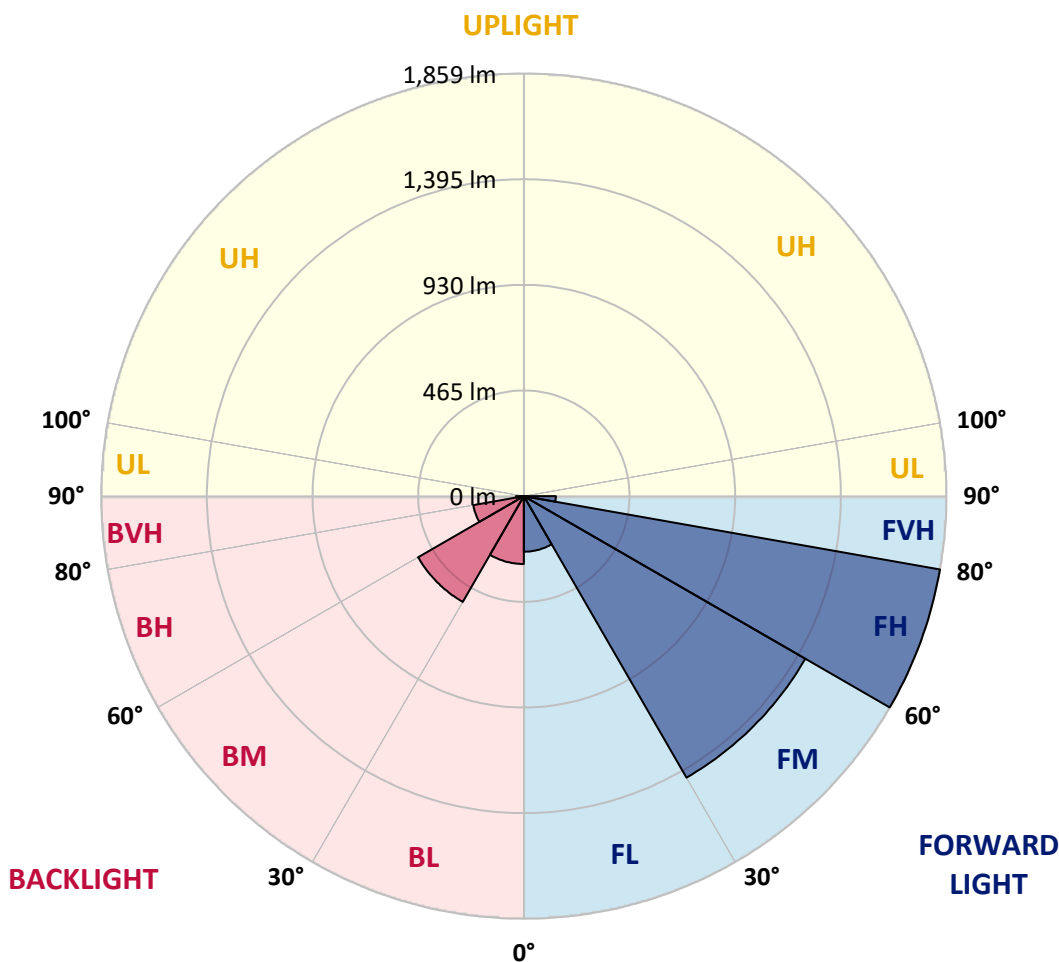
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.6	5.1			
FM (30°-60°)	1430.2	30.0			
FH (60°-80°)	1859.4	39.0			G2/5000
FVH (80°-90°)	140.8	3.0			G2/225
BL (0°-30°)	298.5	6.3	B1/500		
BM (30°-60°)	537.4	11.3	B1/1000		
BH (60°-80°)	226.1	4.7	B1/500		G1/500
BVH (80°-90°)	34.6	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7
2.5°	592.2	587.0	592.2	595.7	595.7	595.7	601.0	616.8	627.4	634.4	646.7
5°	530.7	532.5	536.0	544.8	550.1	553.6	562.4	581.7	597.5	620.3	646.7
7.5°	476.2	479.8	485.0	493.8	506.1	504.4	523.7	550.1	579.9	609.8	648.5
10°	448.1	455.2	456.9	458.7	471.0	471.0	497.3	527.2	564.1	602.8	648.5
12.5°	453.4	453.4	448.1	446.4	453.4	451.6	474.5	509.6	550.1	604.5	655.5
15°	469.2	469.2	458.7	448.1	458.7	455.2	474.5	502.6	550.1	606.3	669.6
17.5°	490.3	492.1	479.8	462.2	465.7	467.5	481.5	507.9	550.1	609.8	688.9
20°	532.5	523.7	504.4	476.2	488.5	483.3	504.4	527.2	560.6	623.9	717.0
22.5°	569.4	569.4	532.5	507.9	509.6	509.6	529.0	548.3	576.4	643.2	738.1
25°	629.1	625.6	579.9	543.0	546.5	548.3	558.8	581.7	602.8	653.7	764.5
27.5°	704.7	695.9	650.2	608.0	594.0	599.3	604.5	622.1	627.4	671.3	796.1
30°	785.5	773.2	734.6	667.8	660.8	662.5	653.7	664.3	657.3	699.4	827.7
32.5°	836.5	836.5	799.6	750.4	731.1	731.1	701.2	708.2	708.2	725.8	884.0
35°	880.4	876.9	852.3	815.4	803.1	796.1	766.2	776.8	759.2	776.8	963.0
37.5°	947.2	936.7	926.1	901.5	876.9	871.6	855.8	862.9	838.3	829.5	1052.7
40°	1024.5	1019.3	1008.7	998.2	973.6	971.8	954.2	961.3	934.9	901.5	1142.3
42.5°	1138.8	1123.0	1089.6	1080.8	1086.0	1093.1	1086.0	1073.7	1026.3	984.1	1238.9
45°	1253.0	1228.4	1165.1	1151.1	1191.5	1186.2	1216.1	1210.8	1133.5	1066.7	1340.9
47.5°	1326.8	1305.7	1254.8	1246.0	1263.5	1270.6	1360.2	1344.4	1221.4	1142.3	1439.3
50°	1379.5	1381.3	1314.5	1337.3	1360.2	1360.2	1472.7	1470.9	1328.6	1235.4	1567.6
52.5°	1456.8	1432.2	1404.1	1425.2	1456.8	1474.4	1613.3	1574.6	1395.3	1314.5	1711.7
55°	1497.3	1486.7	1462.1	1499.0	1565.8	1574.6	1722.2	1692.3	1470.9	1407.6	1859.3
57.5°	1513.1	1521.9	1562.3	1578.1	1671.2	1694.1	1820.6	1778.4	1541.2	1523.6	1973.5
60°	1583.4	1571.1	1625.6	1688.8	1778.4	1790.7	1943.6	1852.3	1609.7	1599.2	2010.4
62.5°	1725.7	1694.1	1724.0	1799.5	1924.3	1940.1	2073.7	1950.7	1639.6	1650.2	2008.7
65°	1933.1	1910.2	1866.3	1926.1	2101.8	2124.6	2226.6	2035.0	1630.8	1632.6	1866.3
67.5°	2177.4	2140.5	2094.8	2131.7	2346.1	2398.8	2412.9	2071.9	1569.3	1534.2	1518.4
70°	2391.8	2367.2	2337.3	2400.5	2699.3	2718.6	2644.8	2049.1	1398.9	1231.9	1012.2
72.5°	2592.1	2579.8	2597.4	2834.6	3177.3	3189.6	2862.7	1905.0	1105.4	746.9	471.0
75°	2607.9	2595.6	2716.9	3193.1	3776.6	3799.4	2998.1	1493.8	583.4	304.0	198.6
77.5°	1766.1	1803.0	2029.7	2796.0	3469.0	3474.3	2451.5	694.2	240.8	179.3	138.8
80°	434.1	481.5	764.5	1446.3	2339.0	2397.0	1342.6	233.7	158.2	137.1	103.7
82.5°	158.2	172.2	311.1	653.7	1314.5	1337.3	469.2	126.5	114.2	105.4	75.6
85°	75.6	77.3	147.6	321.6	664.3	657.3	168.7	75.6	82.6	72.1	45.7
87.5°	31.6	31.6	65.0	149.4	293.5	284.7	54.5	35.1	47.4	42.2	22.8
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°	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7	653.7
2.5°	655.5	659.0	673.1	683.6	694.2	702.9	717.0	717.0	725.8	725.8	725.8
5°	653.7	673.1	695.9	720.5	736.3	752.1	766.2	768.0	773.2	780.3	782.0
7.5°	660.8	680.1	717.0	752.1	771.5	778.5	796.1	790.8	790.8	790.8	796.1
10°	674.8	695.9	746.9	778.5	792.6	794.3	789.1	785.5	775.0	771.5	766.2
12.5°	685.4	722.3	773.2	797.8	792.6	787.3	775.0	757.4	745.1	741.6	741.6
15°	711.7	748.6	796.1	804.9	796.1	768.0	752.1	732.8	722.3	706.5	713.5
17.5°	734.6	776.8	818.9	808.4	790.8	746.9	724.0	695.9	681.9	664.3	664.3
20°	764.5	803.1	840.0	811.9	773.2	725.8	688.9	653.7	634.4	616.8	620.3
22.5°	797.8	833.0	852.3	797.8	746.9	692.4	641.4	608.0	583.4	572.9	576.4
25°	824.2	862.9	859.3	775.0	715.2	650.2	594.0	562.4	557.1	546.5	546.5
27.5°	857.6	898.0	854.1	746.9	662.5	583.4	548.3	536.0	536.0	530.7	534.2
30°	901.5	929.6	841.8	706.5	595.7	523.7	506.1	513.1	525.4	520.2	521.9
32.5°	973.6	970.1	831.2	660.8	525.4	465.7	478.0	492.1	502.6	507.9	511.4
35°	1043.9	1021.0	818.9	599.3	460.4	437.6	448.1	463.9	483.3	488.5	490.3
37.5°	1114.2	1073.7	797.8	523.7	420.0	413.0	423.5	432.3	448.1	451.6	455.2
40°	1188.0	1108.9	760.9	449.9	386.6	386.6	393.6	395.4	404.2	409.5	413.0
42.5°	1253.0	1142.3	694.2	381.3	351.5	363.8	365.5	362.0	355.0	358.5	360.3
45°	1332.1	1179.2	616.8	332.1	325.1	340.9	344.4	330.4	318.1	311.1	307.5
47.5°	1409.4	1217.8	550.1	291.7	300.5	325.1	325.1	309.3	288.2	270.6	263.6
50°	1479.7	1256.5	495.6	267.1	275.9	312.8	316.3	286.4	263.6	242.5	239.0
52.5°	1597.4	1321.5	439.3	247.8	261.8	304.0	302.3	275.9	246.0	223.2	221.4
55°	1701.1	1386.6	365.5	228.5	247.8	291.7	297.0	265.4	224.9	203.9	200.3
57.5°	1776.7	1402.4	291.7	209.1	233.7	277.7	284.7	244.3	210.9	193.3	191.6
60°	1790.7	1340.9	237.2	193.3	214.4	258.3	263.6	232.0	200.3	186.3	182.8
62.5°	1725.7	1223.1	202.1	179.3	198.6	239.0	249.5	217.9	189.8	177.5	175.7
65°	1578.1	1050.9	177.5	166.9	188.0	224.9	237.2	207.4	181.0	170.5	168.7
67.5°	1249.5	806.6	158.2	158.2	174.0	210.9	228.5	200.3	172.2	165.2	163.4
70°	817.2	485.0	144.1	145.9	163.4	198.6	217.9	191.6	161.7	159.9	156.4
72.5°	351.5	223.2	128.3	133.6	147.6	177.5	202.1	179.3	149.4	144.1	138.8
75°	161.7	135.3	116.0	119.5	131.8	156.4	182.8	165.2	138.8	130.0	124.8
77.5°	114.2	98.4	96.7	103.7	112.5	135.3	161.7	154.6	128.3	121.3	117.7
80°	84.4	75.6	80.8	87.9	93.1	124.8	152.9	142.3	117.7	107.2	101.9
82.5°	59.8	56.2	63.3	70.3	75.6	109.0	140.6	124.8	98.4	89.6	80.8
85°	35.1	36.9	43.9	47.4	52.7	80.8	117.7	100.2	75.6	58.0	56.2
87.5°	15.8	15.8	21.1	22.8	26.4	47.4	79.1	63.3	47.4	36.9	35.1
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)