

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: P672070

Luminaire Tested: **CCP-SA-1E-722-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672070
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-722-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2R distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5115.5 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

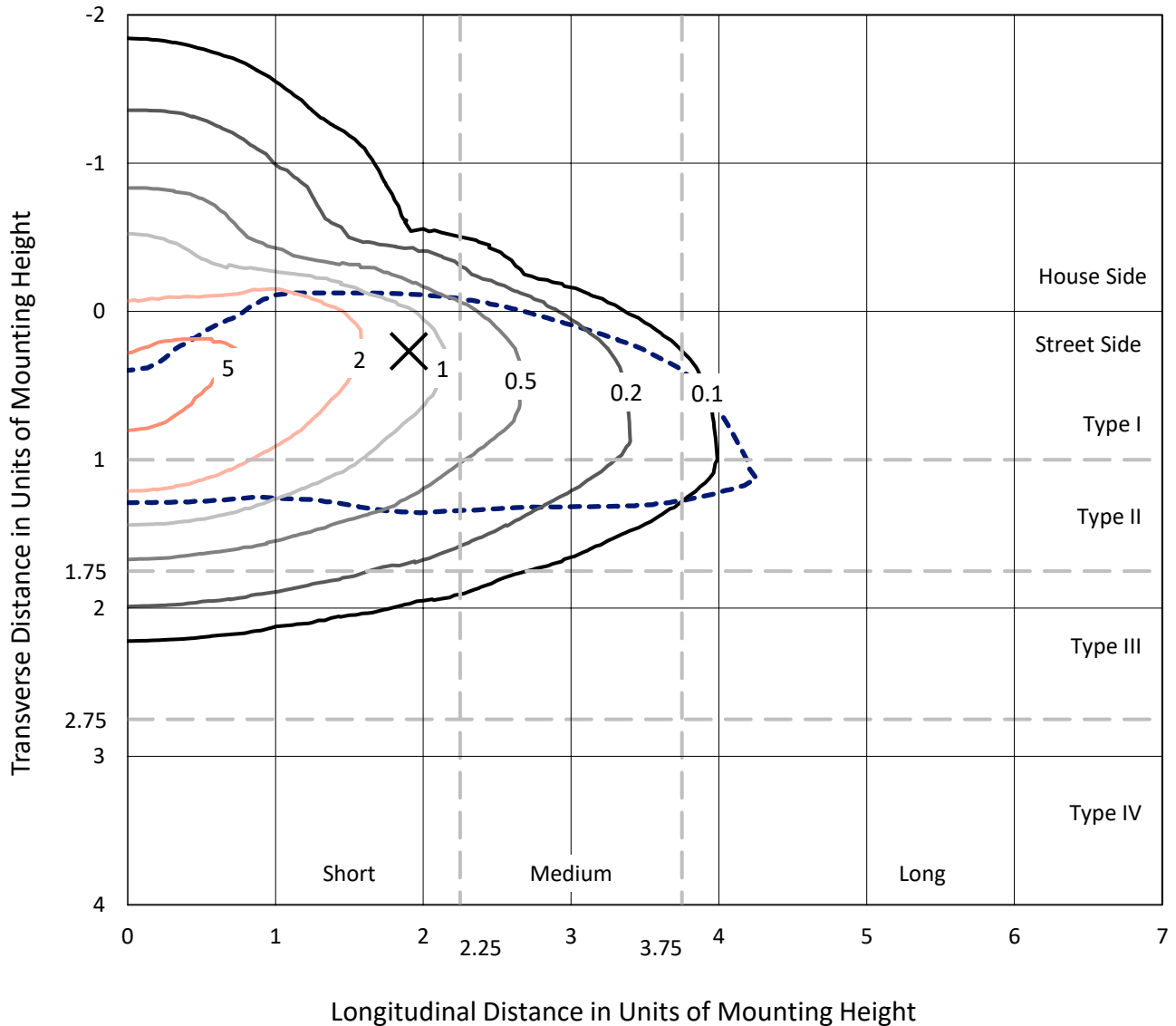
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

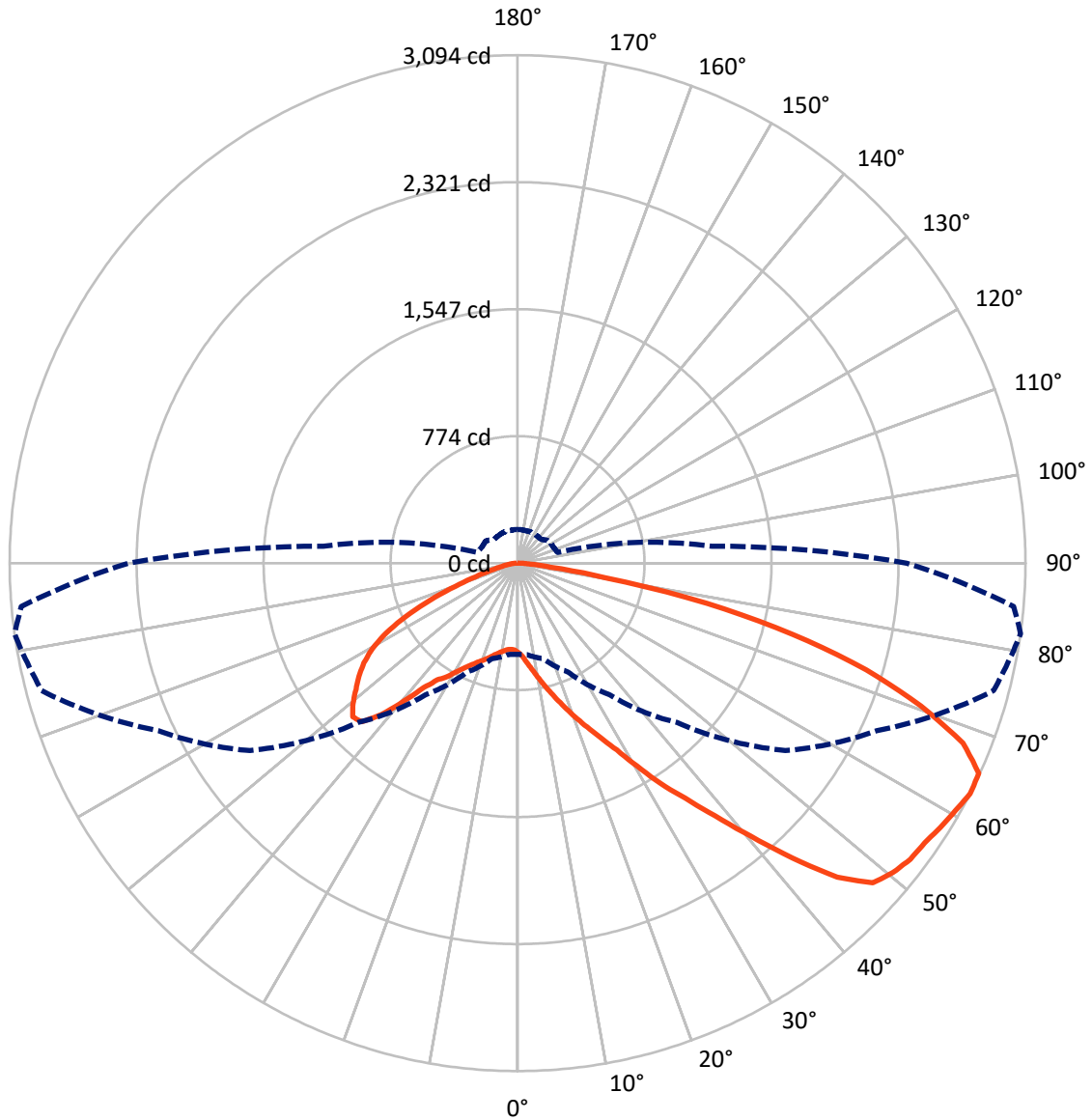
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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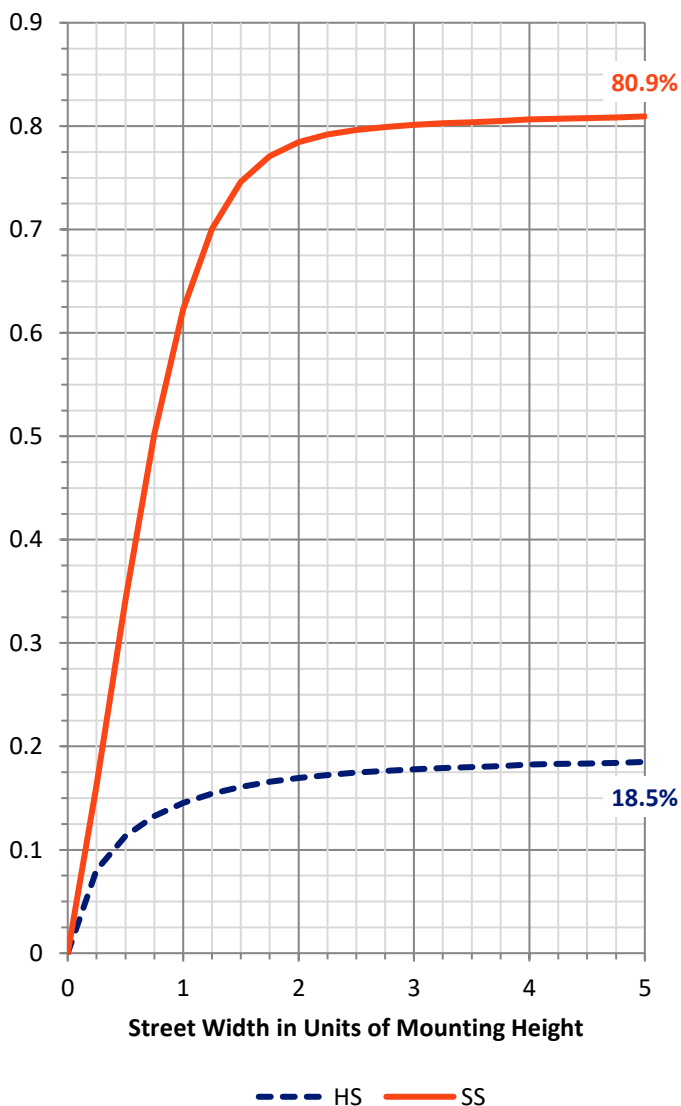
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	963.7	0.0	963.7
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	4151.8	0.0	4151.8
	% Fixture	81.2	0.0	81.2
Total	Lumens	5115.5	0.0	5115.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.2	1.2
10°-20°	227.1	4.4
20°-30°	470.2	9.2
30°-40°	798.1	15.6
40°-50°	1086.8	21.2
50°-60°	1100.1	21.5
60°-70°	867.0	16.9
70°-80°	427.1	8.3
80°-90°	79.0	1.5
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°	5115.5	100.0
0°-180°	5115.5	100.0



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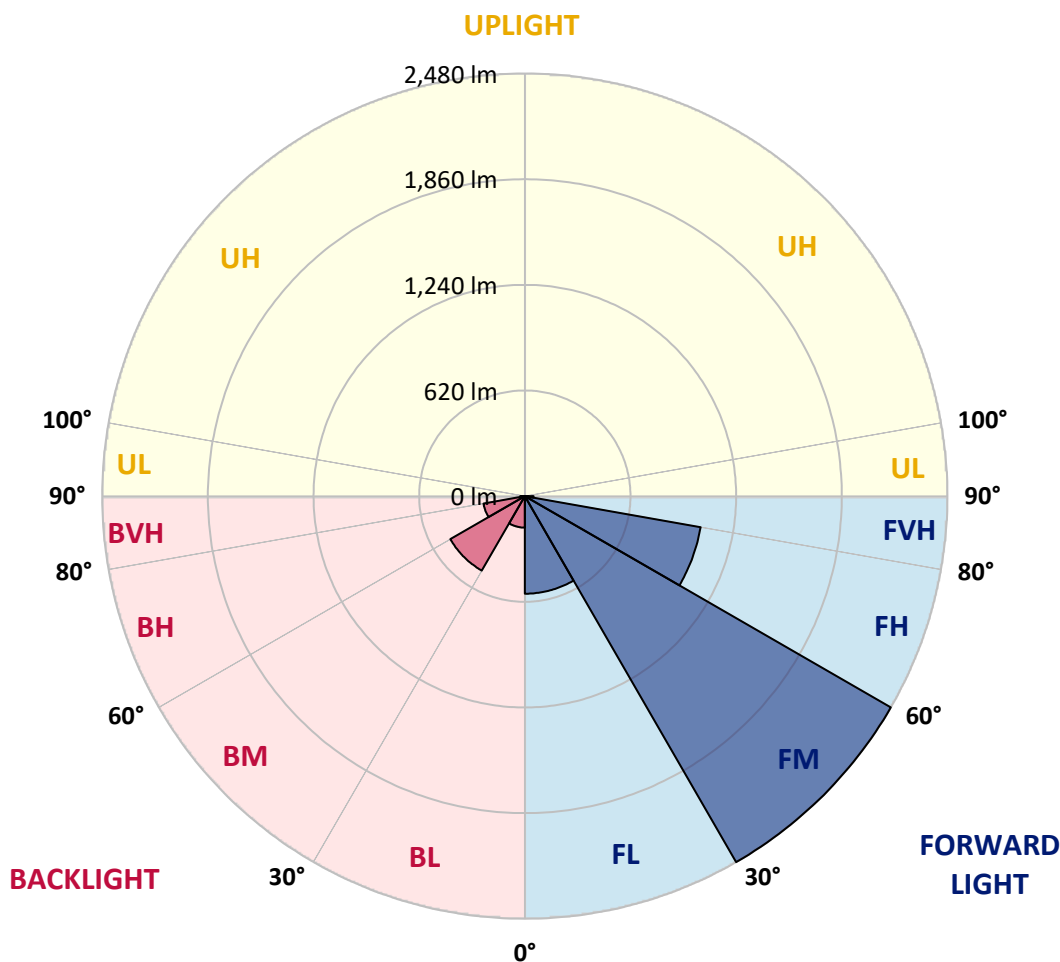
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	572.5	11.2			
FM (30°-60°)	2480.2	48.5			
FH (60°-80°)	1047.7	20.5			G1/1800
FVH (80°-90°)	51.3	1.0			G1/100
BL (0°-30°)	184.9	3.6	B1/500		
BM (30°-60°)	504.8	9.9	B1/1000		
BH (60°-80°)	246.4	4.8	B1/500		G1/500
BVH (80°-90°)	27.7	0.5			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	544.0	544.0	544.0	544.0	544.0	544.0	544.0	544.0	544.0	544.0	544.0
2.5°	724.5	713.4	707.5	700.9	682.5	670.7	648.6	622.8	593.0	567.6	562.8
5°	877.3	866.3	867.8	851.5	824.7	799.6	758.4	709.7	653.0	609.6	594.5
7.5°	985.2	973.1	976.0	969.4	947.7	920.1	867.8	805.1	722.3	657.8	633.5
10°	1057.4	1058.9	1061.1	1058.5	1044.5	1025.0	973.1	903.8	800.7	714.9	681.8
12.5°	1139.2	1143.3	1142.5	1143.6	1136.3	1120.8	1070.0	1004.8	884.3	776.4	733.3
15°	1243.4	1239.4	1242.7	1247.5	1239.4	1222.4	1177.5	1100.2	972.0	844.9	791.5
17.5°	1357.6	1349.1	1358.0	1353.2	1347.3	1336.3	1286.9	1204.4	1062.6	918.9	856.3
20°	1456.3	1450.8	1455.6	1456.3	1457.4	1455.2	1404.4	1316.7	1157.6	999.6	926.3
22.5°	1567.2	1564.6	1563.9	1564.2	1565.3	1567.9	1533.3	1439.7	1263.0	1084.3	1001.8
25°	1722.2	1719.7	1702.7	1683.9	1672.9	1681.0	1662.9	1579.3	1379.3	1179.3	1084.7
27.5°	1896.1	1892.0	1869.6	1822.1	1786.7	1792.6	1790.8	1733.3	1513.4	1288.4	1184.1
30°	2076.6	2066.6	2035.7	1969.0	1913.4	1903.1	1908.2	1889.1	1682.1	1433.1	1322.6
32.5°	2237.5	2219.1	2178.2	2110.8	2044.5	2014.7	2015.4	2023.9	1865.5	1601.8	1467.7
35°	2335.9	2323.7	2293.1	2225.0	2151.0	2131.1	2125.6	2167.9	2033.8	1758.0	1597.8
37.5°	2388.9	2377.1	2344.3	2289.5	2233.5	2225.4	2235.7	2301.2	2225.0	1952.8	1774.5
40°	2379.3	2366.8	2345.4	2307.1	2270.3	2276.6	2322.2	2423.5	2433.8	2186.0	2026.5
42.5°	2300.5	2287.2	2285.4	2282.8	2265.5	2293.1	2375.6	2513.0	2625.7	2455.2	2331.4
45°	2161.3	2153.2	2162.8	2207.0	2228.7	2282.1	2400.7	2556.5	2794.4	2728.9	2619.8
47.5°	1984.9	1980.1	2001.8	2071.8	2142.1	2248.2	2417.3	2568.3	2910.4	2910.4	2808.8
50°	1787.4	1785.6	1814.3	1916.0	2026.1	2186.0	2415.4	2579.3	2961.3	2963.8	2875.4
52.5°	1511.9	1521.5	1598.1	1732.2	1881.7	2088.4	2389.6	2610.3	2990.0	2995.9	2920.0
55°	1194.4	1203.7	1319.3	1499.8	1691.3	1969.8	2312.7	2601.0	2995.5	3008.8	2945.4
57.5°	953.6	955.4	1027.6	1242.0	1479.2	1818.0	2223.9	2539.9	2979.3	3037.1	2984.5
60°	746.2	752.1	800.4	970.1	1233.1	1622.4	2124.8	2479.5	2988.5	3064.0	3019.8
62.5°	555.8	557.3	602.2	733.7	979.7	1373.1	1990.4	2415.0	3001.4	3094.2	3034.2
65°	362.1	361.7	405.1	523.7	731.8	1103.8	1779.3	2314.1	3002.5	3087.6	2968.3
67.5°	230.2	231.7	250.5	325.2	489.9	833.1	1492.0	2126.7	2950.2	2927.0	2728.1
70°	186.7	187.1	193.0	212.5	298.3	569.4	1121.5	1833.5	2784.8	2606.9	2371.2
72.5°	166.5	166.8	169.8	172.0	198.9	342.2	735.9	1488.7	2490.9	2222.1	1967.2
75°	149.5	149.5	151.4	149.2	163.2	214.7	417.7	1119.3	2051.5	1730.3	1486.2
77.5°	131.1	130.8	130.8	129.6	141.1	156.9	209.2	781.2	1477.7	1180.1	963.9
80°	111.2	110.5	111.6	110.9	121.9	119.0	121.9	482.1	801.1	541.1	410.3
82.5°	86.6	86.6	89.9	90.6	100.6	86.2	85.8	228.7	304.2	202.2	151.4
85°	45.3	50.8	68.5	71.5	75.9	54.1	63.0	106.8	121.9	77.3	55.2
87.5°	13.6	14.4	42.0	47.1	46.8	27.3	38.7	51.6	57.1	34.3	22.5
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°	544.0	544.0	544.0	544.0	544.0	544.0	544.0	544.0	544.0	544.0	544.0
2.5°	550.6	537.7	510.5	486.2	467.8	450.1	437.9	431.7	423.6	424.7	422.1
5°	567.6	541.1	492.8	453.8	427.6	407.7	395.6	389.3	383.4	380.5	382.7
7.5°	593.0	551.7	484.3	437.2	409.9	393.0	386.4	384.5	383.0	381.9	383.8
10°	625.8	570.5	482.9	431.3	406.3	395.9	393.4	392.3	390.8	389.3	390.4
12.5°	659.3	591.1	488.0	432.8	412.1	404.4	401.1	399.6	395.9	394.1	394.5
15°	701.3	616.2	495.0	438.7	419.9	409.9	405.5	401.5	395.6	393.0	394.1
17.5°	746.2	646.0	504.6	444.2	422.8	410.7	401.8	395.9	390.0	386.4	386.7
20°	797.0	675.5	513.1	446.0	421.4	404.4	393.7	386.7	379.0	374.9	373.8
22.5°	849.7	706.4	519.7	444.6	413.3	393.7	381.6	373.1	363.9	357.6	358.0
25°	913.8	748.4	525.2	439.4	402.6	379.7	366.1	355.4	345.8	340.0	340.3
27.5°	990.8	795.9	531.8	431.3	389.7	364.6	348.8	338.1	328.9	323.4	322.6
30°	1093.5	857.8	539.2	421.4	373.5	348.1	332.6	321.5	312.7	307.5	307.5
32.5°	1209.2	933.3	544.4	409.6	355.4	330.4	316.4	307.5	300.9	293.9	293.2
35°	1309.7	991.9	560.2	400.4	339.6	313.8	304.2	298.0	288.0	281.4	280.3
37.5°	1457.4	1095.0	607.0	397.8	320.4	300.9	299.1	287.3	275.9	263.3	262.2
40°	1695.4	1273.6	661.5	385.3	300.5	293.9	292.1	276.2	249.4	241.6	240.1
42.5°	1998.1	1488.7	667.4	348.8	286.6	288.0	282.5	251.6	239.8	233.9	232.4
45°	2271.4	1663.3	633.9	311.6	276.2	279.2	267.8	242.4	235.7	230.2	228.7
47.5°	2425.0	1717.1	570.5	283.6	268.5	271.4	244.2	237.9	231.3	225.8	224.3
50°	2468.1	1670.3	496.9	267.4	262.6	263.7	237.9	234.2	228.4	223.9	221.7
52.5°	2476.6	1600.3	428.7	257.8	258.2	248.2	232.4	229.5	225.8	218.8	216.2
55°	2480.2	1537.4	367.6	251.9	255.2	228.4	226.5	224.3	221.4	214.0	212.5
57.5°	2489.8	1456.7	319.7	247.5	251.6	219.1	219.9	218.4	214.7	211.4	210.7
60°	2462.6	1345.1	282.9	243.1	246.4	211.4	212.2	212.9	209.6	208.8	208.5
62.5°	2371.2	1186.7	251.6	237.2	235.7	203.7	203.7	206.6	203.7	204.8	204.8
65°	2183.0	984.9	223.6	226.1	219.1	195.2	194.8	200.0	195.6	200.4	200.7
67.5°	1862.2	745.5	194.8	208.8	201.8	186.4	187.8	191.9	186.0	195.9	195.9
70°	1474.0	507.2	165.0	184.5	184.2	176.4	181.2	180.8	174.2	188.9	186.4
72.5°	1098.0	325.6	134.4	154.7	161.0	165.7	174.6	166.8	160.6	169.1	161.3
75°	767.2	204.0	106.1	122.3	134.1	154.0	166.5	151.0	141.8	139.2	137.0
77.5°	459.3	130.4	83.6	93.2	104.6	140.0	156.2	134.4	120.4	119.0	114.5
80°	211.8	85.1	63.7	69.6	74.4	120.1	142.2	114.9	98.0	96.5	91.3
82.5°	95.8	56.0	47.5	49.7	50.1	95.4	120.1	91.0	74.8	121.2	105.0
85°	44.6	36.1	30.9	29.5	29.8	63.7	87.3	62.6	85.1	66.3	50.5
87.5°	19.2	18.4	15.8	12.5	11.4	13.6	33.5	26.2	37.2	14.7	9.9
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)