

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: P674766

Luminaire Tested: **CCP-SA-2D-835-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674766
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-835-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

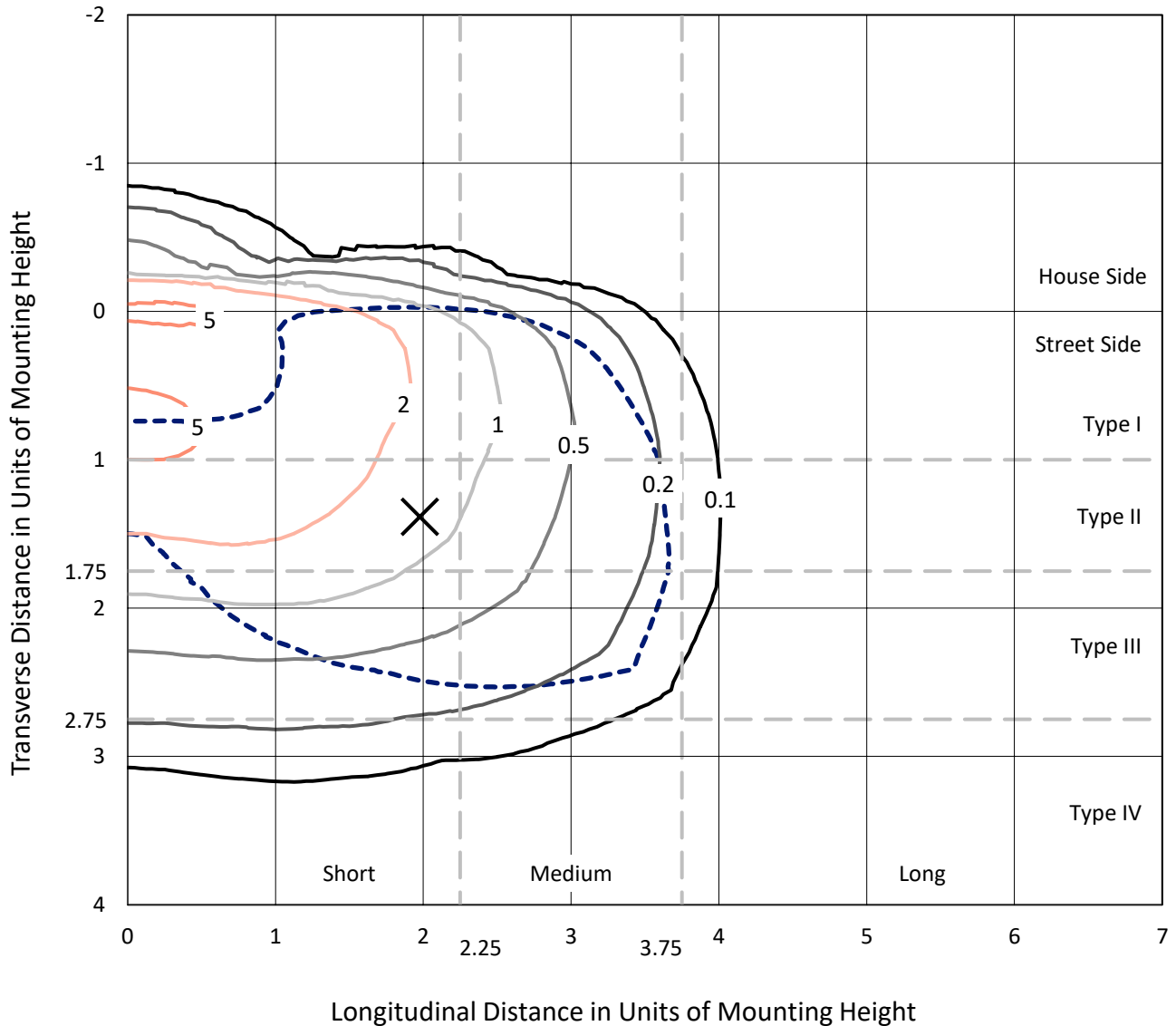
Lumens per Lamp: N/A
Luminaire Lumens: 7288.4 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8
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

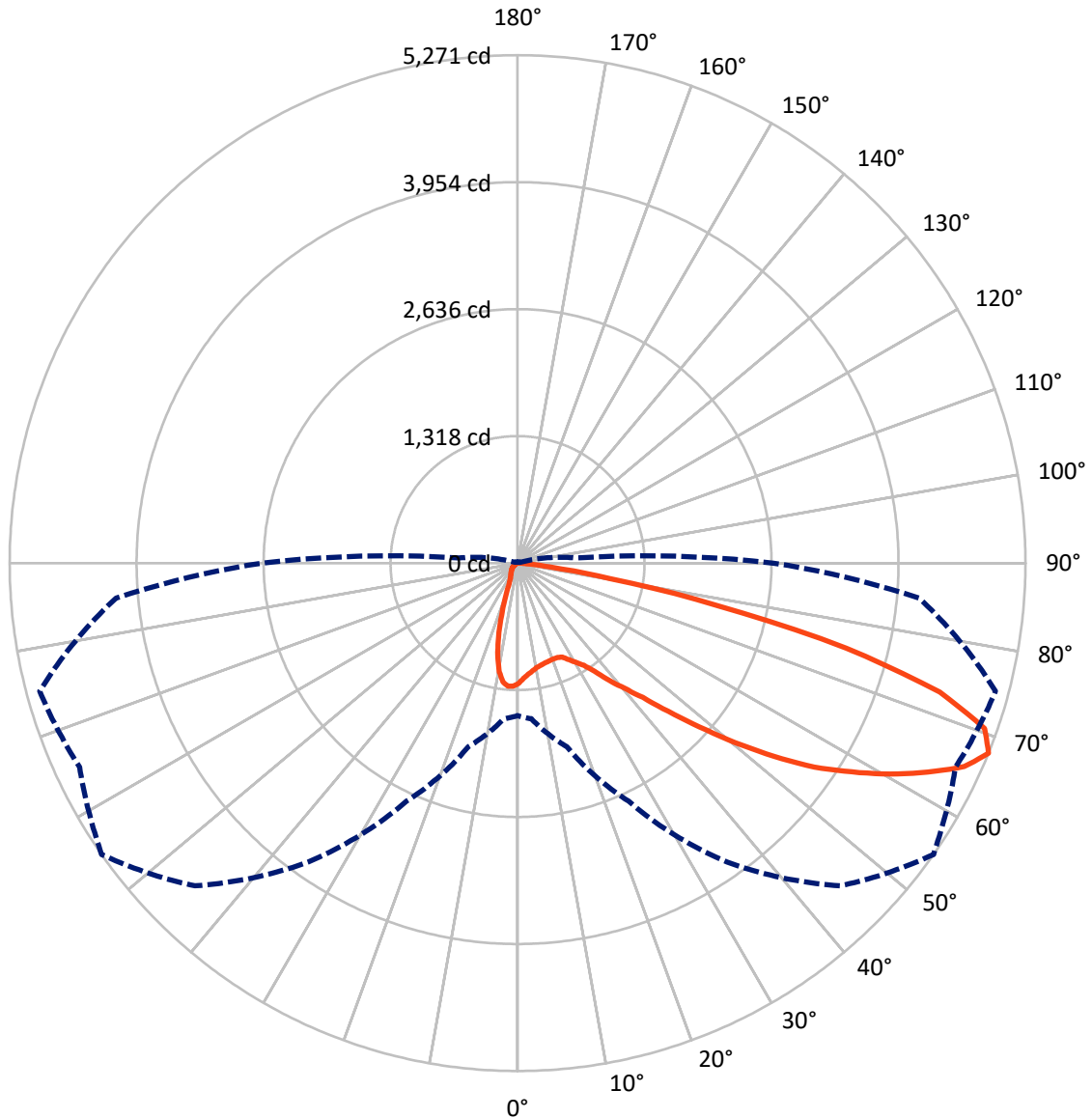
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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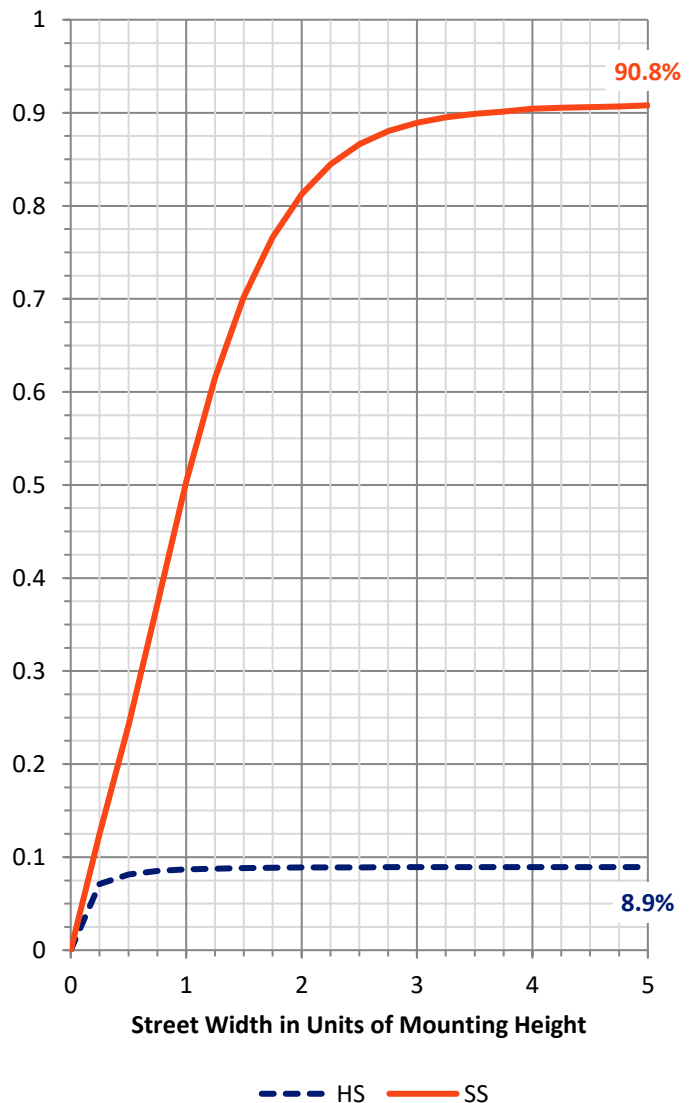
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	654.8	0.0	654.8
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	6633.7	0.0	6633.7
	% Fixture	91.0	0.0	91.0
Total	Lumens	7288.4	0.0	7288.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.6	1.5
10°-20°	249.6	3.4
20°-30°	400.4	5.5
30°-40°	694.5	9.5
40°-50°	1158.0	15.9
50°-60°	1693.4	23.2
60°-70°	1974.5	27.1
70°-80°	958.2	13.1
80°-90°	50.1	0.7
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°	7288.4	100.0
0°-180°	7288.4	100.0



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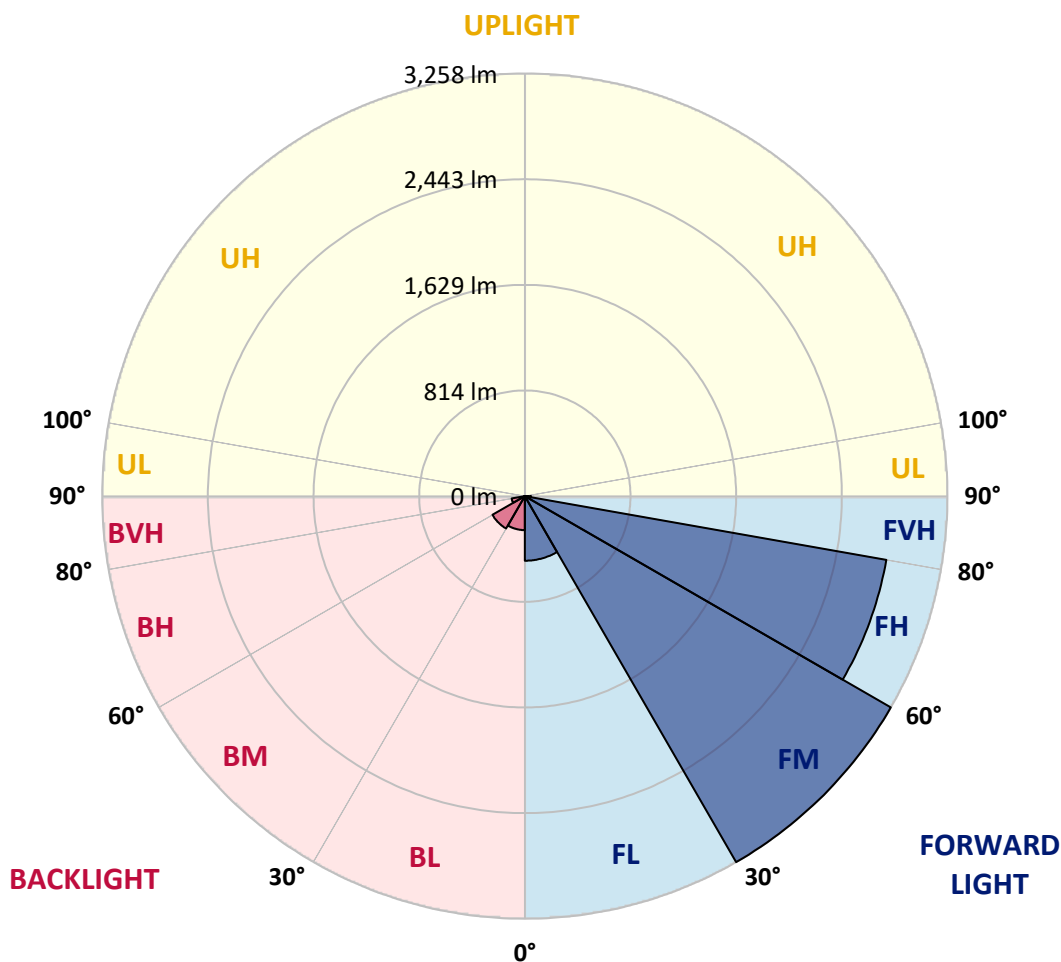
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	497.9	6.8			
FM (30°-60°)	3257.7	44.7			
FH (60°-80°)	2829.5	38.8			G2/5000
FVH (80°-90°)	48.6	0.7			G1/100
BL (0°-30°)	261.7	3.6	B1/500		
BM (30°-60°)	288.3	4.0	B1/1000		
BH (60°-80°)	103.3	1.4	B0/110		G0/110
BVH (80°-90°)	1.5	0.0			G0/10
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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0
2.5°	1153.0	1160.4	1169.8	1173.1	1184.6	1200.7	1196.0	1192.6	1210.8	1235.6	1243.7
5°	1081.1	1081.8	1096.6	1107.3	1126.8	1142.3	1159.0	1157.7	1190.6	1232.9	1259.8
7.5°	1010.6	1012.0	1027.4	1044.2	1072.4	1102.6	1128.2	1126.8	1179.9	1236.3	1287.3
10°	918.0	924.7	943.5	973.0	1017.4	1065.0	1100.6	1104.0	1167.8	1249.0	1324.9
12.5°	843.4	846.8	867.6	905.9	958.3	1020.7	1087.2	1085.2	1170.5	1272.5	1373.9
15°	811.9	809.9	822.6	850.8	910.6	989.1	1073.8	1078.5	1179.9	1299.4	1425.0
17.5°	819.3	817.2	824.0	834.0	876.3	963.0	1066.4	1074.4	1194.6	1327.6	1472.6
20°	901.2	887.1	875.0	864.2	870.3	941.5	1061.7	1070.4	1203.4	1349.1	1523.0
22.5°	1059.0	1041.5	1009.3	949.5	909.9	942.8	1063.0	1074.4	1222.8	1384.0	1584.1
25°	1316.2	1299.4	1230.2	1108.0	1003.3	991.2	1081.1	1093.2	1267.8	1437.1	1649.3
27.5°	1656.6	1619.0	1535.1	1359.8	1157.7	1068.4	1135.5	1149.0	1331.6	1478.0	1693.6
30°	1939.4	1930.6	1850.0	1635.2	1370.6	1181.9	1196.6	1204.0	1360.5	1502.9	1737.9
32.5°	2232.8	2214.7	2140.8	1932.0	1617.7	1343.7	1265.1	1268.5	1398.1	1539.8	1802.4
35°	2488.0	2471.2	2409.4	2206.6	1906.4	1561.3	1378.6	1371.2	1476.0	1621.1	1889.7
37.5°	2724.4	2722.3	2668.0	2461.1	2165.7	1786.9	1545.8	1539.8	1597.5	1710.4	2007.8
40°	2955.4	2950.0	2903.7	2715.0	2420.8	2011.9	1705.0	1689.5	1701.0	1835.3	2163.6
42.5°	3097.1	3108.5	3124.6	3005.1	2723.7	2275.8	1906.4	1897.0	1895.0	2030.7	2368.5
45°	3173.6	3193.8	3288.4	3277.7	3044.7	2604.2	2193.2	2169.0	2161.0	2299.3	2602.8
47.5°	3248.1	3256.9	3412.0	3477.1	3352.2	2946.6	2539.7	2506.1	2473.2	2627.0	2882.8
50°	3252.8	3266.9	3459.0	3617.5	3610.1	3283.7	2928.5	2899.0	2861.3	3025.9	3156.1
52.5°	3187.0	3215.2	3453.0	3706.1	3769.9	3581.2	3332.1	3307.9	3277.0	3399.9	3386.5
55°	2732.4	2780.1	3334.8	3714.2	3882.1	3836.4	3737.7	3704.1	3673.9	3761.2	3612.1
57.5°	2516.2	2543.0	2976.2	3708.1	4025.1	4072.8	4089.6	4074.1	4031.8	4140.6	3847.8
60°	2386.6	2425.5	2804.9	3641.0	4179.5	4340.0	4445.5	4414.6	4362.9	4512.6	4100.3
62.5°	2231.5	2259.7	2634.4	3447.6	4271.5	4612.0	4779.2	4751.0	4644.2	4855.8	4304.4
65°	1945.4	1987.7	2363.1	3143.4	4148.0	4811.4	5093.5	5084.1	4898.7	5115.0	4360.2
67.5°	1583.4	1621.7	1971.6	2726.4	3786.7	4736.9	5271.4	5241.9	5014.2	5134.4	4183.6
70°	1188.6	1209.4	1473.3	2083.1	3102.4	4338.7	5142.5	5136.5	4839.0	4845.7	3641.7
72.5°	637.9	695.7	979.7	1394.1	2181.8	3514.1	4583.1	4559.0	4317.2	3968.7	2618.9
75°	222.9	239.7	521.8	783.0	1185.2	2340.9	3524.1	3467.7	3228.7	2581.3	1427.0
77.5°	137.0	150.4	231.7	400.2	461.3	1016.0	2117.3	2044.1	1889.7	1116.1	487.5
80°	94.7	106.8	155.1	209.5	157.1	329.0	974.4	946.8	728.6	265.9	112.1
82.5°	53.1	63.8	117.5	102.7	63.1	85.3	337.8	312.9	194.1	71.9	37.6
85°	30.9	36.9	82.6	72.5	32.2	30.2	88.0	78.6	50.4	26.9	18.1
87.5°	16.1	20.8	60.4	48.3	19.5	10.7	20.1	19.5	12.8	9.4	12.1
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°	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0
2.5°	1258.4	1255.1	1272.5	1278.6	1277.2	1274.5	1281.3	1272.5	1271.9	1269.8	1267.8
5°	1281.3	1286.6	1300.7	1300.7	1281.9	1251.0	1232.2	1206.7	1185.2	1172.5	1170.5
7.5°	1315.5	1326.3	1335.7	1306.8	1242.3	1165.8	1084.5	1020.7	965.0	936.1	933.4
10°	1363.9	1373.9	1366.5	1283.9	1145.6	987.1	854.8	721.9	655.4	619.1	619.1
12.5°	1421.6	1429.7	1384.7	1226.9	986.5	756.8	580.2	440.5	374.0	331.1	328.4
15°	1484.1	1486.1	1382.0	1127.5	789.7	508.3	333.1	244.4	216.2	210.2	208.8
17.5°	1538.5	1530.4	1353.8	980.4	568.8	302.9	211.5	191.4	186.0	186.0	186.0
20°	1589.5	1562.6	1297.4	809.2	364.6	206.2	182.0	176.6	176.6	177.3	177.3
22.5°	1645.9	1592.8	1216.8	619.1	234.4	176.6	170.6	167.9	167.2	169.2	168.6
25°	1712.4	1622.4	1101.3	427.8	181.3	164.5	161.8	159.2	159.2	159.2	159.2
27.5°	1749.3	1618.4	969.7	270.0	158.5	152.4	149.7	147.1	145.0	144.4	145.0
30°	1781.5	1594.9	797.8	188.7	143.0	136.3	134.3	130.9	126.9	125.6	125.6
32.5°	1823.8	1575.4	617.8	151.8	129.6	122.2	116.2	110.8	104.1	101.4	100.7
35°	1870.9	1539.8	452.6	133.6	117.5	108.1	98.7	90.0	81.3	78.6	77.9
37.5°	1929.3	1507.6	306.9	123.6	107.4	96.0	83.3	71.2	63.1	61.8	61.8
40°	2008.5	1480.7	212.2	114.8	98.0	84.6	69.2	56.4	51.0	49.7	49.7
42.5°	2116.6	1458.5	160.5	107.4	90.0	73.2	55.7	46.3	42.3	41.0	41.0
45°	2244.2	1424.3	135.6	100.7	81.9	61.8	46.3	38.9	36.9	36.9	36.9
47.5°	2390.6	1381.3	123.6	94.0	73.2	50.4	38.9	35.6	34.9	34.9	35.6
50°	2538.3	1330.3	114.8	86.0	63.1	43.0	35.6	33.6	33.6	34.2	34.2
52.5°	2638.4	1250.4	106.1	77.2	53.1	37.6	33.6	32.9	32.2	32.2	32.2
55°	2735.8	1180.5	94.0	67.8	44.3	34.9	32.2	31.6	31.6	30.9	30.9
57.5°	2837.2	1125.5	78.6	56.4	37.6	32.9	30.9	30.9	29.5	28.9	28.9
60°	2954.7	1077.1	60.4	44.3	32.9	30.9	28.9	28.2	26.9	25.5	25.5
62.5°	2988.9	975.0	45.7	35.6	28.2	26.9	26.2	24.8	21.5	18.8	19.5
65°	2899.6	814.6	36.3	28.2	22.8	22.8	20.8	17.5	14.1	12.1	12.1
67.5°	2653.2	608.4	29.5	22.2	18.1	17.5	14.8	12.8	8.7	7.4	7.4
70°	2186.5	402.2	24.2	17.5	14.8	12.1	10.1	9.4	6.7	5.4	5.4
72.5°	1532.4	218.2	20.1	14.1	10.7	8.1	6.7	6.0	4.7	4.0	3.4
75°	809.2	83.9	16.1	10.7	6.7	5.4	4.0	4.0	3.4	2.7	2.7
77.5°	277.3	35.6	11.4	6.0	4.7	3.4	2.7	2.0	2.7	2.0	2.0
80°	65.8	20.8	7.4	4.0	2.7	2.0	2.0	1.3	1.3	1.3	1.3
82.5°	28.9	12.1	4.7	2.7	2.7	2.0	1.3	0.7	0.7	0.7	0.7
85°	19.5	7.4	3.4	2.7	2.0	1.3	0.7	0.7	0.0	0.0	0.0
87.5°	15.4	4.7	2.7	2.7	2.0	1.3	0.7	0.0	0.0	0.0	0.0
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)