

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: P674788

Luminaire Tested: **CCP-SA-2D-850-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674788
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-850-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

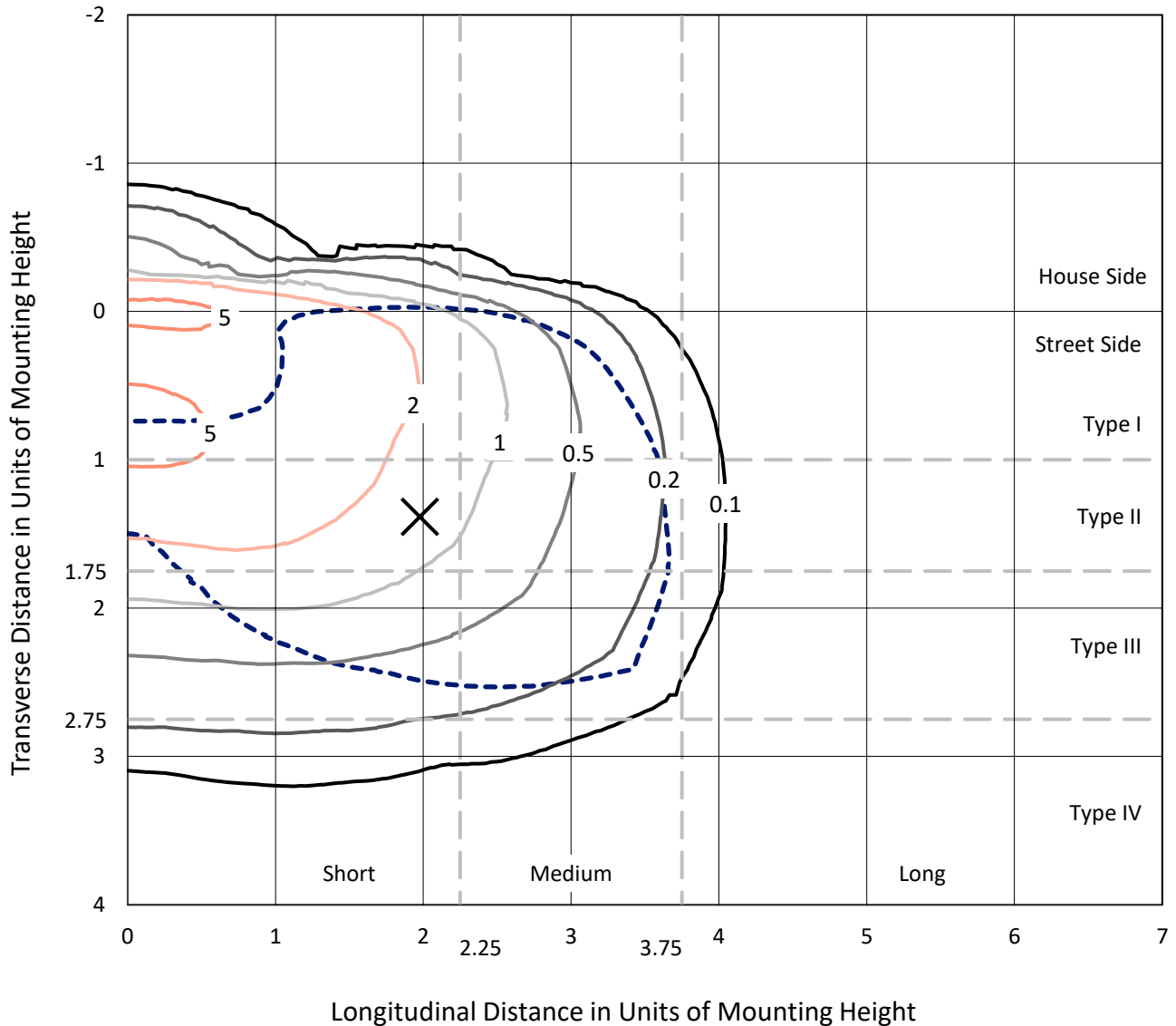
Lumens per Lamp: N/A
Luminaire Lumens: 7718.3 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

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

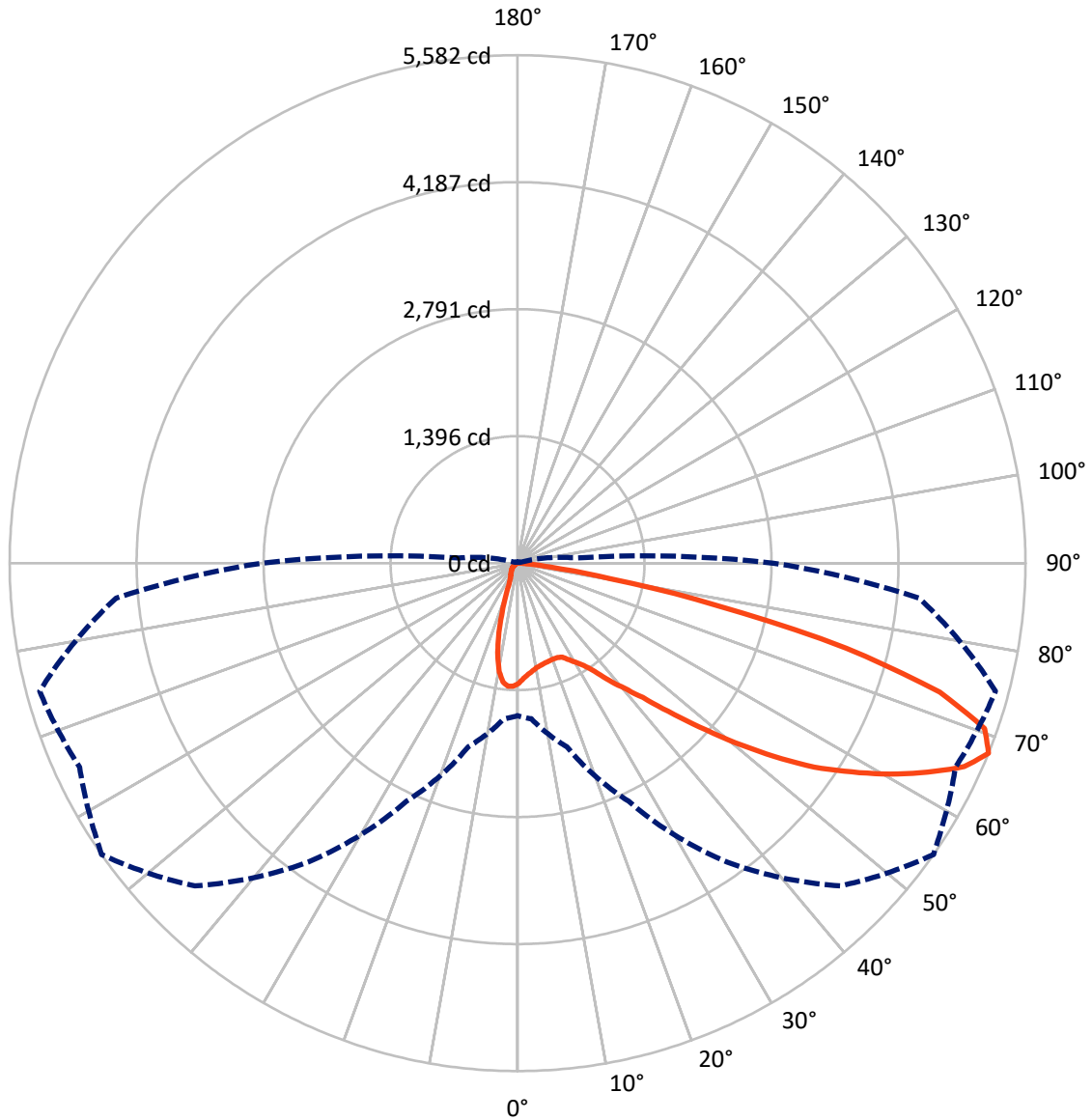
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.4 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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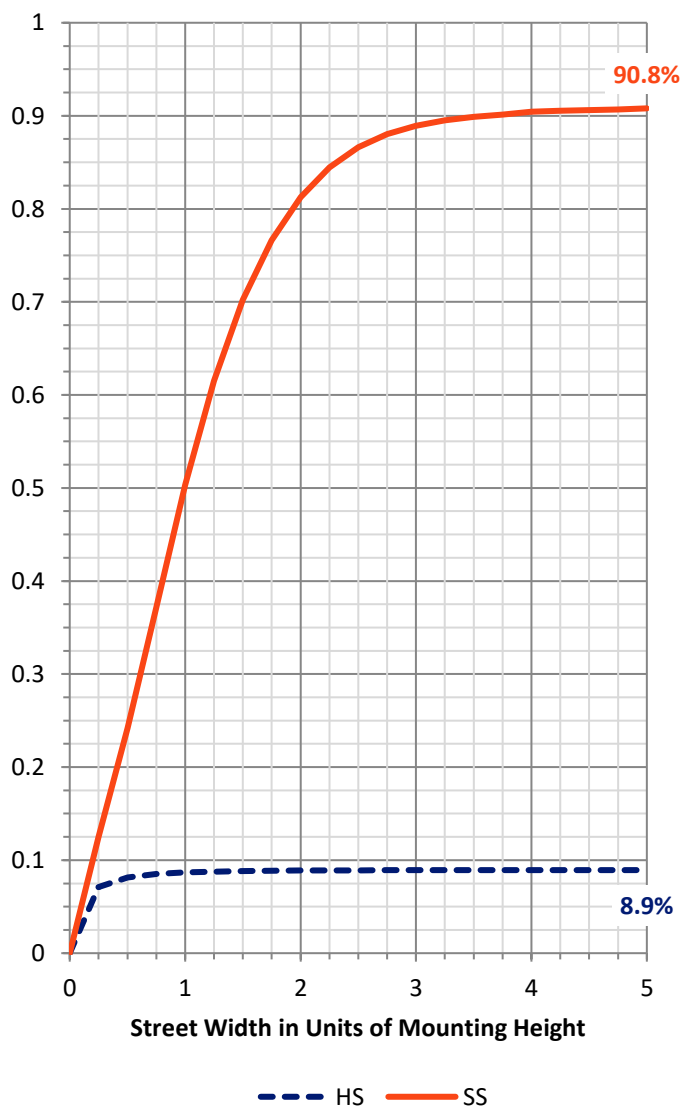
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	693.4	0.0	693.4
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	7024.9	0.0	7024.9
	% Fixture	91.0	0.0	91.0
Total	Lumens	7718.3	0.0	7718.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.1	1.5
10°-20°	264.3	3.4
20°-30°	424.0	5.5
30°-40°	735.5	9.5
40°-50°	1226.3	15.9
50°-60°	1793.3	23.2
60°-70°	2091.0	27.1
70°-80°	1014.8	13.1
80°-90°	53.0	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°	7718.3	100.0
0°-180°	7718.3	100.0



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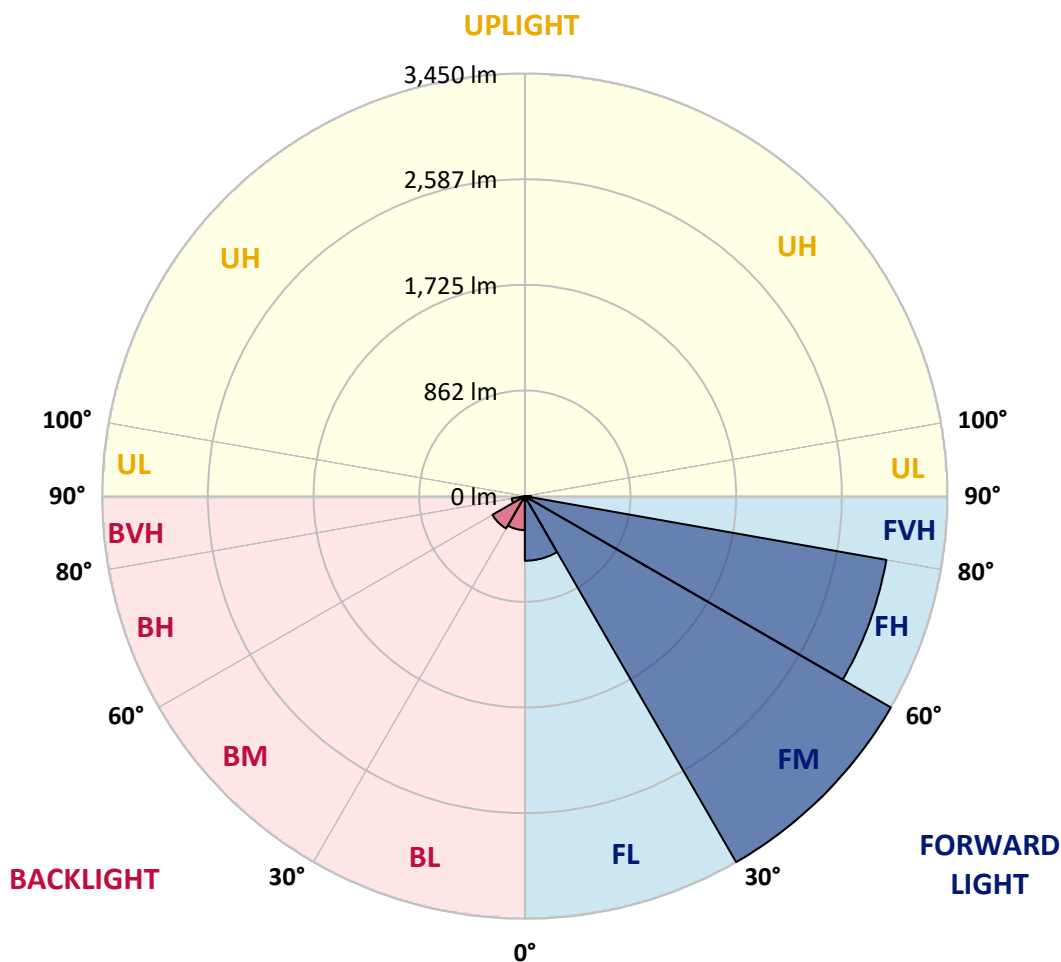
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	527.3	6.8			
FM (30°-60°)	3449.8	44.7			
FH (60°-80°)	2996.3	38.8			G2/5000
FVH (80°-90°)	51.5	0.7			G1/100
BL (0°-30°)	277.2	3.6	B1/500		
BM (30°-60°)	305.3	4.0	B1/1000		
BH (60°-80°)	109.4	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°	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7
2.5°	1221.0	1228.8	1238.8	1242.3	1254.4	1271.5	1266.5	1263.0	1282.2	1308.5	1317.0
5°	1144.9	1145.6	1161.3	1172.6	1193.3	1209.6	1227.4	1226.0	1260.8	1305.6	1334.1
7.5°	1070.2	1071.7	1088.0	1105.8	1135.7	1167.7	1194.7	1193.3	1249.5	1309.2	1363.2
10°	972.1	979.2	999.1	1030.4	1077.4	1127.8	1165.5	1169.1	1236.6	1322.7	1403.1
12.5°	893.2	896.7	918.8	959.3	1014.8	1080.9	1151.3	1149.2	1239.5	1347.6	1455.0
15°	859.8	857.6	871.1	901.0	964.3	1047.5	1137.1	1142.1	1249.5	1376.0	1509.0
17.5°	867.6	865.4	872.6	883.2	928.0	1019.8	1129.3	1137.8	1265.1	1405.9	1559.5
20°	954.3	939.4	926.6	915.2	921.6	997.0	1124.3	1133.5	1274.3	1428.7	1612.8
22.5°	1121.4	1103.0	1068.8	1005.5	963.6	998.4	1125.7	1137.8	1295.0	1465.6	1677.5
25°	1393.8	1376.0	1302.8	1173.4	1062.4	1049.6	1144.9	1157.7	1342.6	1521.8	1746.5
27.5°	1754.4	1714.5	1625.6	1440.0	1226.0	1131.4	1202.5	1216.7	1410.2	1565.2	1793.5
30°	2053.7	2044.5	1959.2	1731.6	1451.4	1251.6	1267.2	1275.1	1440.7	1591.5	1840.4
32.5°	2364.5	2345.3	2267.1	2045.9	1713.1	1423.0	1339.8	1343.3	1480.6	1630.6	1908.7
35°	2634.7	2616.9	2551.5	2336.8	2018.9	1653.4	1459.9	1452.1	1563.1	1716.7	2001.1
37.5°	2885.0	2882.9	2825.3	2606.3	2293.4	1892.3	1637.0	1630.6	1691.8	1811.2	2126.3
40°	3129.7	3124.0	3074.9	2875.1	2563.6	2130.5	1805.6	1789.2	1801.3	1943.5	2291.3
42.5°	3279.7	3291.8	3308.9	3182.3	2884.3	2410.0	2018.9	2008.9	2006.8	2150.4	2508.1
45°	3360.8	3382.1	3482.4	3471.0	3224.2	2757.8	2322.5	2296.9	2288.4	2434.9	2756.3
47.5°	3439.7	3449.0	3613.2	3682.2	3549.9	3120.4	2689.5	2653.9	2619.1	2781.9	3052.9
50°	3444.7	3459.6	3663.0	3830.8	3823.0	3477.4	3101.2	3069.9	3030.1	3204.3	3342.3
52.5°	3375.0	3404.9	3656.6	3924.7	3992.3	3792.4	3528.6	3503.0	3470.3	3600.4	3586.2
55°	2893.6	2944.1	3531.5	3933.2	4111.0	4062.7	3958.1	3922.6	3890.6	3983.0	3825.2
57.5°	2664.6	2693.0	3151.7	3926.8	4262.5	4313.0	4330.8	4314.4	4269.6	4384.8	4074.8
60°	2527.3	2568.6	2970.4	3855.7	4426.1	4596.0	4707.7	4674.9	4620.2	4778.8	4342.1
62.5°	2363.1	2392.9	2789.8	3650.9	4523.5	4884.0	5061.1	5031.2	4918.2	5142.2	4558.3
65°	2060.1	2104.9	2502.5	3328.8	4392.6	5095.2	5393.9	5383.9	5187.7	5416.7	4617.3
67.5°	1676.8	1717.4	2087.9	2887.2	4010.0	5016.3	5582.3	5551.1	5310.0	5437.3	4430.3
70°	1258.7	1280.7	1560.2	2205.9	3285.4	4594.6	5445.8	5439.4	5124.4	5131.5	3856.4
72.5°	675.6	736.7	1037.5	1476.3	2310.5	3721.3	4853.4	4827.8	4571.8	4202.8	2773.4
75°	236.1	253.9	552.5	829.2	1255.1	2479.0	3732.0	3672.3	3419.1	2733.6	1511.1
77.5°	145.1	159.3	245.3	423.8	488.5	1075.9	2242.2	2164.7	2001.1	1181.9	516.3
80°	100.3	113.1	164.3	221.9	166.4	348.5	1031.8	1002.7	771.6	281.6	118.8
82.5°	56.2	67.6	124.4	108.8	66.8	90.3	357.7	331.4	205.5	76.1	39.8
85°	32.7	39.1	87.5	76.8	34.1	32.0	93.2	83.2	53.3	28.4	19.2
87.5°	17.1	22.0	64.0	51.2	20.6	11.4	21.3	20.6	13.5	10.0	12.8
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°	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7	1322.7
2.5°	1332.7	1329.1	1347.6	1354.0	1352.6	1349.7	1356.8	1347.6	1346.9	1344.7	1342.6
5°	1356.8	1362.5	1377.5	1377.5	1357.5	1324.8	1304.9	1277.9	1255.1	1241.6	1239.5
7.5°	1393.1	1404.5	1414.4	1383.9	1315.6	1234.5	1148.5	1080.9	1021.9	991.3	988.5
10°	1444.3	1455.0	1447.1	1359.7	1213.2	1045.4	905.3	764.5	694.1	655.7	655.7
12.5°	1505.5	1514.0	1466.3	1299.2	1044.6	801.4	614.4	466.5	396.1	350.6	347.7
15°	1571.6	1573.7	1463.5	1194.0	836.3	538.3	352.7	258.9	229.0	222.6	221.2
17.5°	1629.2	1620.7	1433.6	1038.2	602.3	320.7	224.0	202.7	197.0	197.0	197.0
20°	1683.2	1654.8	1373.9	856.9	386.1	218.3	192.7	187.0	187.0	187.7	187.7
22.5°	1743.0	1686.8	1288.6	655.7	248.2	187.0	180.6	177.8	177.1	179.2	178.5
25°	1813.4	1718.1	1166.2	453.0	192.0	174.2	171.4	168.5	168.5	168.5	168.5
27.5°	1852.5	1713.8	1026.9	285.9	167.8	161.4	158.6	155.7	153.6	152.9	153.6
30°	1886.6	1688.9	844.8	199.8	151.5	144.4	142.2	138.7	134.4	133.0	133.0
32.5°	1931.4	1668.3	654.2	160.7	137.2	129.4	123.0	117.3	110.2	107.4	106.7
35°	1981.2	1630.6	479.3	141.5	124.4	114.5	104.5	95.3	86.0	83.2	82.5
37.5°	2043.1	1596.5	325.0	130.8	113.8	101.7	88.2	75.4	66.8	65.4	65.4
40°	2127.0	1568.0	224.7	121.6	103.8	89.6	73.2	59.7	54.0	52.6	52.6
42.5°	2241.5	1544.6	170.0	113.8	95.3	77.5	59.0	49.1	44.8	43.4	43.4
45°	2376.6	1508.3	143.6	106.7	86.8	65.4	49.1	41.2	39.1	39.1	39.1
47.5°	2531.6	1462.8	130.8	99.6	77.5	53.3	41.2	37.7	37.0	37.0	37.7
50°	2688.1	1408.7	121.6	91.0	66.8	45.5	37.7	35.6	35.6	36.3	36.3
52.5°	2794.0	1324.1	112.4	81.8	56.2	39.8	35.6	34.8	34.1	34.1	34.1
55°	2897.1	1250.2	99.6	71.8	46.9	37.0	34.1	33.4	33.4	32.7	32.7
57.5°	3004.5	1191.8	83.2	59.7	39.8	34.8	32.7	32.7	31.3	30.6	30.6
60°	3129.0	1140.6	64.0	46.9	34.8	32.7	30.6	29.9	28.4	27.0	27.0
62.5°	3165.2	1032.6	48.4	37.7	29.9	28.4	27.7	26.3	22.8	19.9	20.6
65°	3070.6	862.6	38.4	29.9	24.2	24.2	22.0	18.5	14.9	12.8	12.8
67.5°	2809.7	644.3	31.3	23.5	19.2	18.5	15.6	13.5	9.2	7.8	7.8
70°	2315.4	426.0	25.6	18.5	15.6	12.8	10.7	10.0	7.1	5.7	5.7
72.5°	1622.8	231.1	21.3	14.9	11.4	8.5	7.1	6.4	5.0	4.3	3.6
75°	856.9	88.9	17.1	11.4	7.1	5.7	4.3	4.3	3.6	2.8	2.8
77.5°	293.7	37.7	12.1	6.4	5.0	3.6	2.8	2.1	2.8	2.1	2.1
80°	69.7	22.0	7.8	4.3	2.8	2.1	2.1	1.4	1.4	1.4	1.4
82.5°	30.6	12.8	5.0	2.8	2.8	2.1	1.4	0.7	0.7	0.7	0.7
85°	20.6	7.8	3.6	2.8	2.1	1.4	0.7	0.7	0.0	0.0	0.0
87.5°	16.4	5.0	2.8	2.8	2.1	1.4	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)