

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: P674745

Luminaire Tested: **CCP-SA-2E-827-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674745
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-827-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

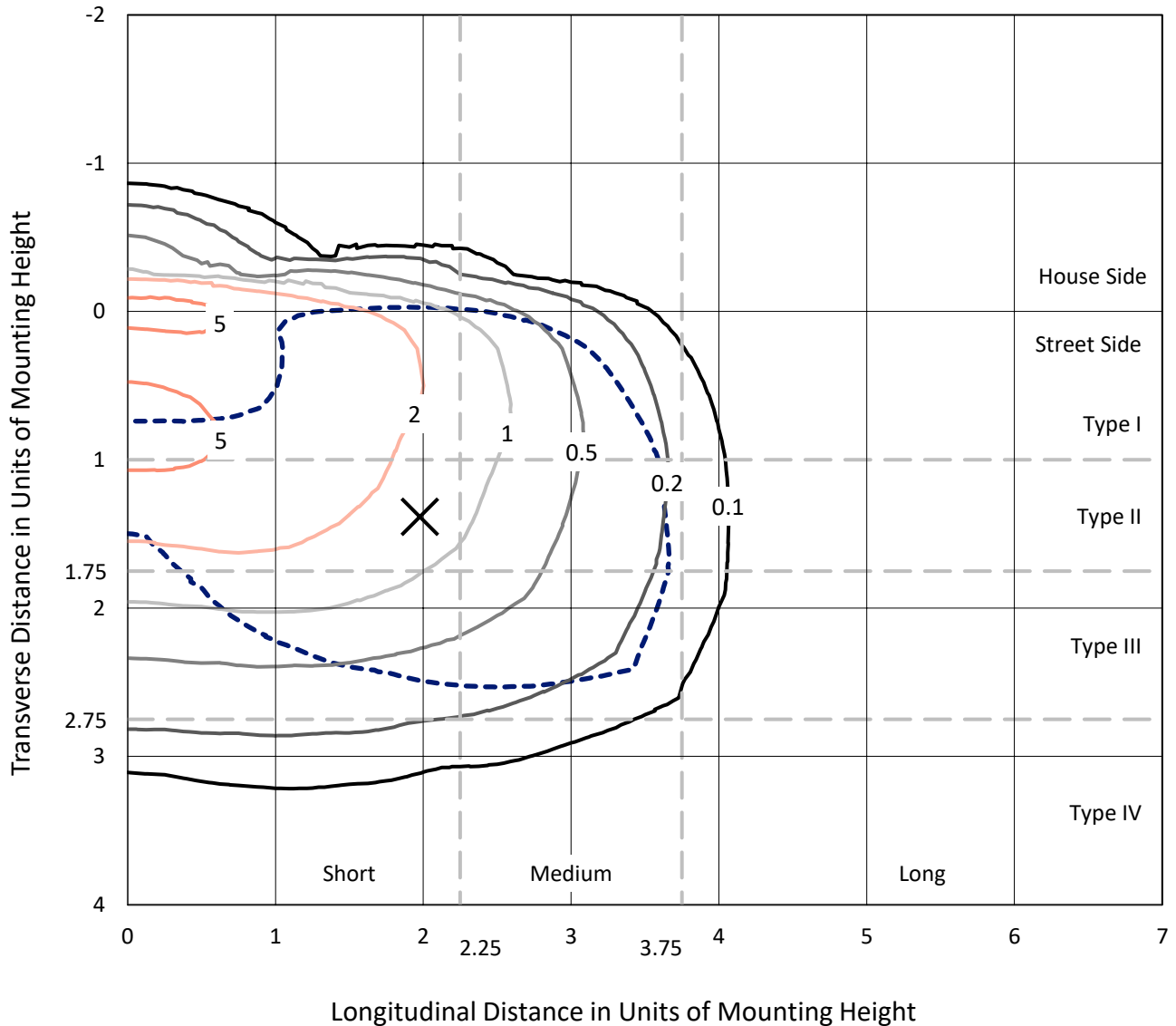
Lumens per Lamp: N/A
Luminaire Lumens: 7971.4 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 106.6
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

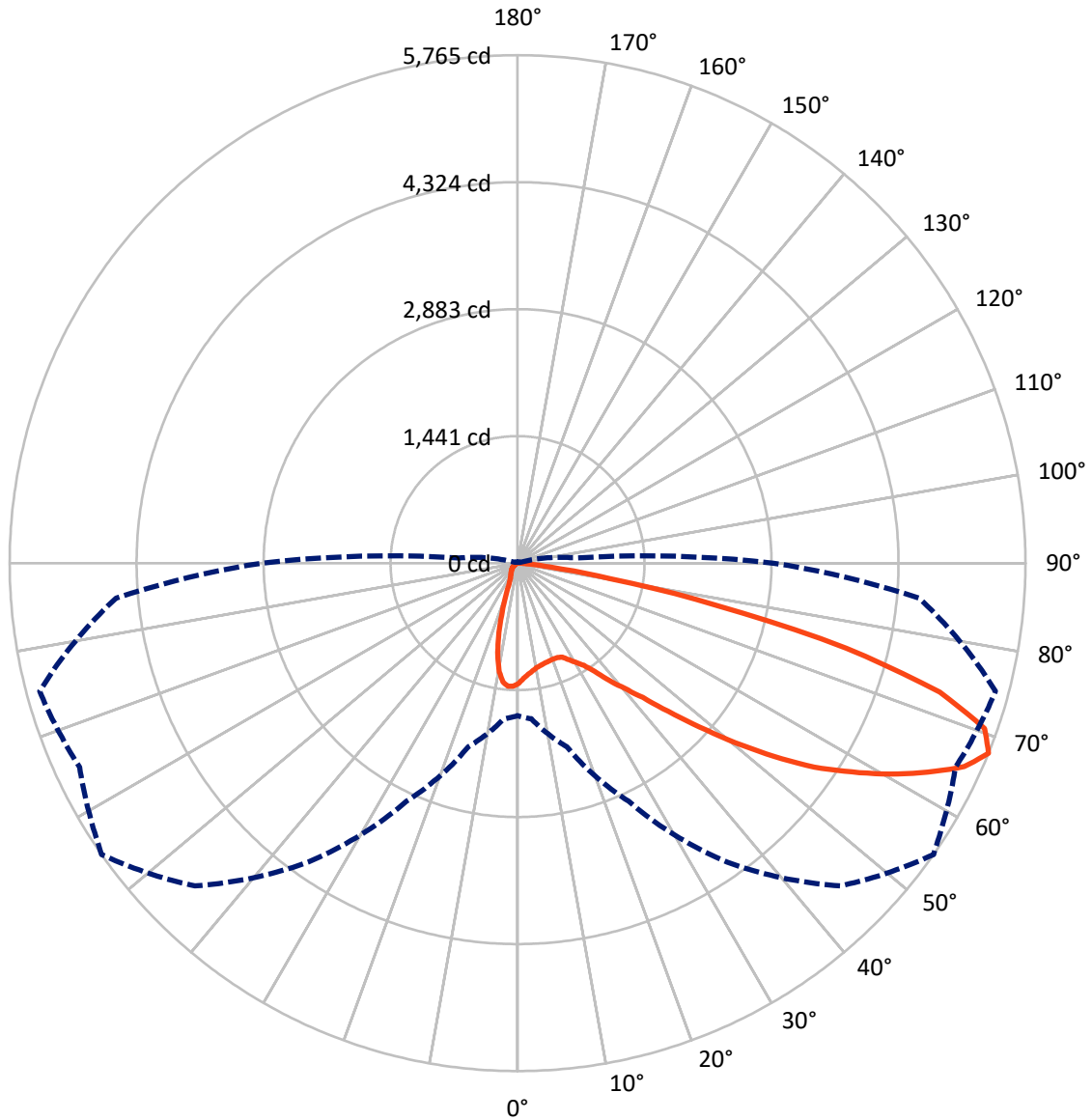
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.6 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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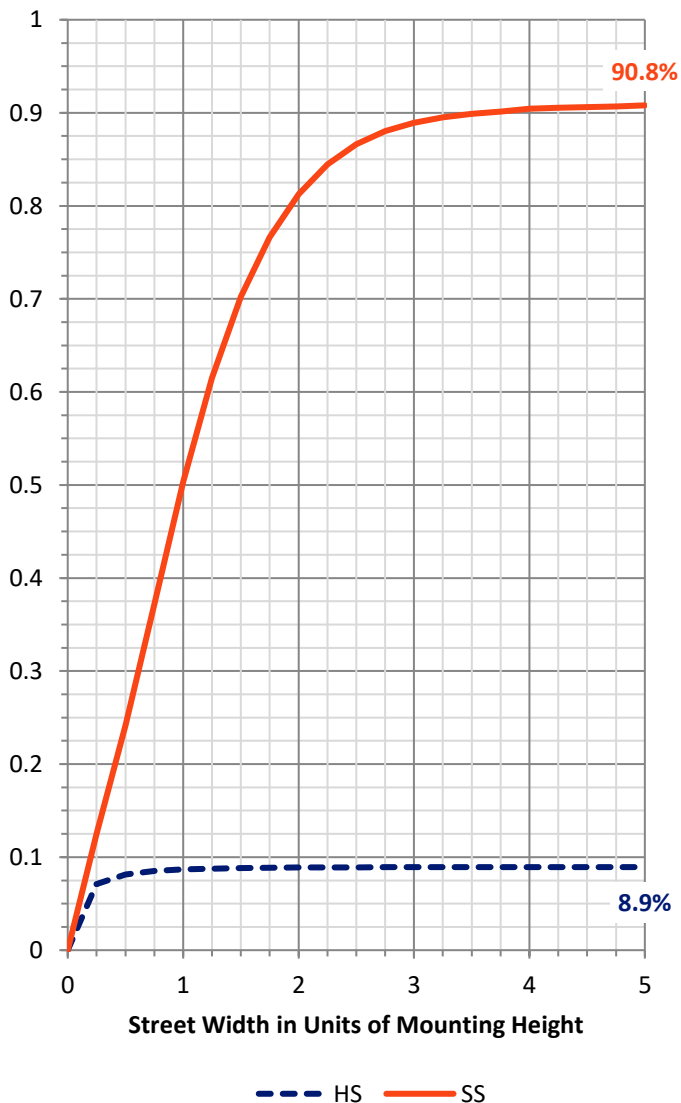
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	716.1	0.0	716.1
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	7255.3	0.0	7255.3
	% Fixture	91.0	0.0	91.0
Total	Lumens	7971.4	0.0	7971.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.9	1.5
10°-20°	273.0	3.4
20°-30°	437.9	5.5
30°-40°	759.6	9.5
40°-50°	1266.6	15.9
50°-60°	1852.1	23.2
60°-70°	2159.5	27.1
70°-80°	1048.0	13.1
80°-90°	54.8	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°	7971.4	100.0
0°-180°	7971.4	100.0



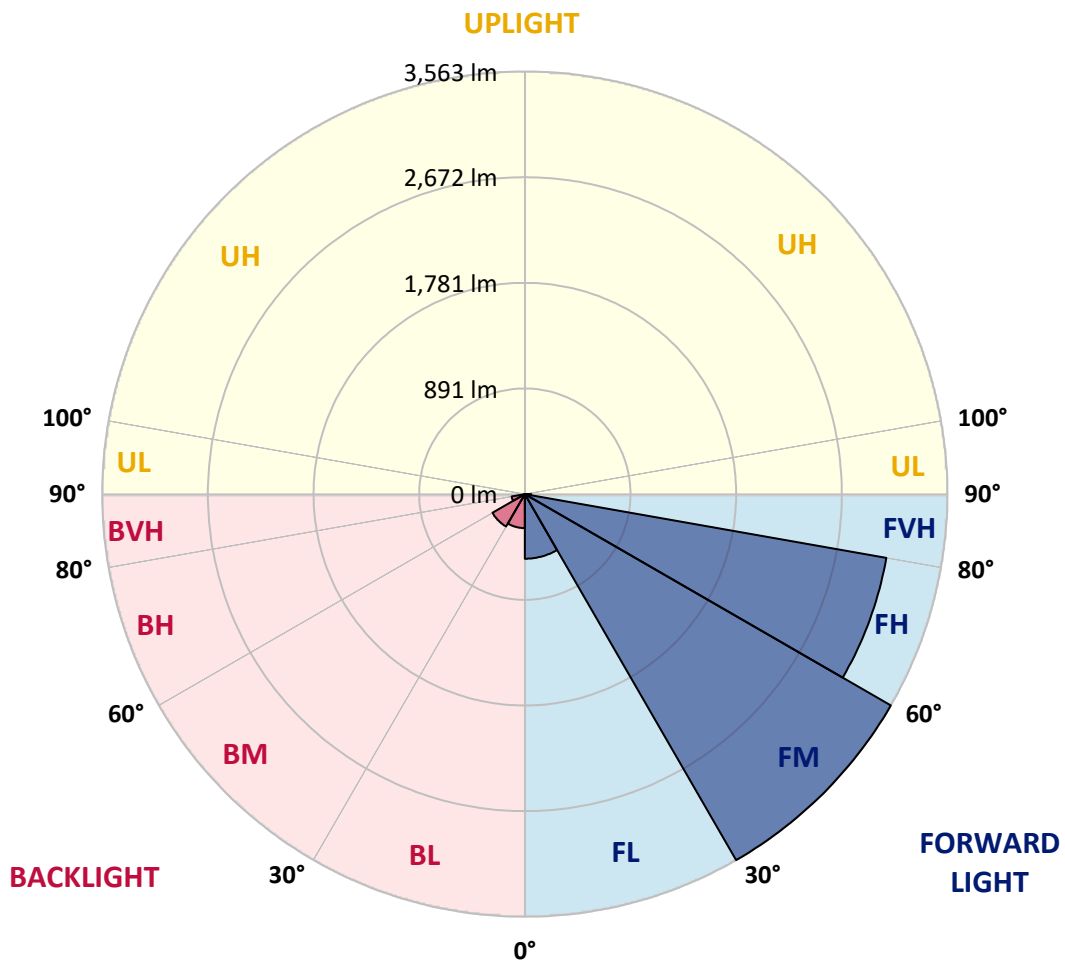
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	544.5	6.8			
FM (30°-60°)	3563.0	44.7			
FH (60°-80°)	3094.6	38.8			G2/5000
FVH (80°-90°)	53.2	0.7			G1/100
BL (0°-30°)	286.3	3.6	B1/500		
BM (30°-60°)	315.3	4.0	B1/1000		
BH (60°-80°)	113.0	1.4	B1/500		G1/500
BVH (80°-90°)	1.6	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°	1366.1	1366.1	1366.1	1366.1	1366.1	1366.1	1366.1	1366.1	1366.1	1366.1	1366.1
2.5°	1261.0	1269.1	1279.4	1283.1	1295.6	1313.2	1308.1	1304.4	1324.2	1351.4	1360.2
5°	1182.5	1183.2	1199.4	1211.1	1232.4	1249.3	1267.7	1266.2	1302.2	1348.4	1377.8
7.5°	1105.3	1106.8	1123.7	1142.1	1172.9	1206.0	1233.9	1232.4	1290.4	1352.1	1407.9
10°	1004.0	1011.3	1031.9	1064.2	1112.7	1164.8	1203.8	1207.4	1277.2	1366.1	1449.1
12.5°	922.5	926.1	948.9	990.8	1048.1	1116.4	1189.1	1186.9	1280.1	1391.8	1502.7
15°	887.9	885.7	899.7	930.5	995.9	1081.8	1174.4	1179.5	1290.4	1421.2	1558.5
17.5°	896.0	893.8	901.2	912.2	958.5	1053.2	1166.3	1175.1	1306.6	1452.0	1610.6
20°	985.6	970.2	957.0	945.2	951.8	1029.7	1161.2	1170.7	1316.1	1475.5	1665.7
22.5°	1158.2	1139.1	1103.9	1038.5	995.2	1031.2	1162.6	1175.1	1337.4	1513.7	1732.6
25°	1439.5	1421.2	1345.5	1211.8	1097.3	1084.0	1182.5	1195.7	1386.6	1571.7	1803.8
27.5°	1811.9	1770.8	1678.9	1487.3	1266.2	1168.5	1242.0	1256.6	1456.4	1616.5	1852.3
30°	2121.1	2111.5	2023.4	1788.4	1499.0	1292.6	1308.8	1316.9	1488.0	1643.7	1900.8
32.5°	2442.0	2422.2	2341.4	2113.0	1769.3	1469.6	1383.7	1387.4	1529.1	1684.1	1971.3
35°	2721.1	2702.8	2635.2	2413.4	2085.1	1707.6	1507.8	1499.7	1614.3	1773.0	2066.7
37.5°	2979.7	2977.5	2918.0	2691.8	2368.6	1954.4	1690.7	1684.1	1747.3	1870.6	2196.0
40°	3232.3	3226.4	3175.8	2969.4	2647.7	2200.4	1864.8	1847.9	1860.4	2007.2	2366.4
42.5°	3387.3	3399.8	3417.4	3286.7	2978.9	2489.0	2085.1	2074.8	2072.6	2221.0	2590.4
45°	3471.0	3493.0	3596.6	3584.8	3330.0	2848.2	2398.7	2372.3	2363.5	2514.7	2846.7
47.5°	3552.5	3562.1	3731.7	3803.0	3666.4	3222.8	2777.7	2741.0	2705.0	2873.2	3153.0
50°	3557.7	3573.1	3783.1	3956.5	3948.4	3591.4	3202.9	3170.6	3129.5	3309.4	3451.9
52.5°	3485.7	3516.5	3776.5	4053.4	4123.2	3916.8	3644.3	3617.9	3584.1	3718.5	3703.8
55°	2988.5	3040.6	3647.3	4062.2	4245.8	4195.9	4087.9	4051.2	4018.2	4113.6	3950.6
57.5°	2752.0	2781.4	3255.1	4055.6	4402.3	4454.4	4472.8	4455.9	4409.6	4528.6	4208.4
60°	2610.2	2652.8	3067.8	3982.2	4571.2	4746.7	4862.0	4828.3	4771.7	4935.5	4484.5
62.5°	2440.6	2471.4	2881.2	3770.7	4671.8	5044.2	5227.1	5196.2	5079.4	5310.8	4707.8
65°	2127.7	2174.0	2584.5	3437.9	4536.7	5262.3	5570.8	5560.5	5357.8	5594.3	4768.8
67.5°	1731.8	1773.7	2156.3	2981.9	4141.6	5180.8	5765.4	5733.1	5484.1	5615.6	4575.6
70°	1300.0	1322.7	1611.4	2278.3	3393.1	4745.3	5624.4	5617.8	5292.4	5299.8	3982.9
72.5°	697.7	760.9	1071.6	1524.7	2386.2	3843.4	5012.6	4986.2	4721.8	4340.6	2864.3
75°	243.8	262.2	570.7	856.4	1296.3	2560.3	3854.4	3792.7	3531.2	2823.2	1560.7
77.5°	149.8	164.5	253.4	437.7	504.6	1111.2	2315.7	2235.7	2066.7	1220.7	533.2
80°	103.6	116.8	169.7	229.1	171.9	359.9	1065.7	1035.6	796.9	290.8	122.7
82.5°	58.0	69.8	128.5	112.4	69.0	93.3	369.4	342.3	212.3	78.6	41.1
85°	33.8	40.4	90.3	79.3	35.3	33.1	96.2	85.9	55.1	29.4	19.8
87.5°	17.6	22.8	66.1	52.9	21.3	11.8	22.0	21.3	14.0	10.3	13.2
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°	1366.1	1366.1	1366.1	1366.1	1366.1	1366.1	1366.1	1366.1	1366.1	1366.1	1366.1
2.5°	1376.4	1372.7	1391.8	1398.4	1396.9	1394.0	1401.3	1391.8	1391.0	1388.8	1386.6
5°	1401.3	1407.2	1422.6	1422.6	1402.1	1368.3	1347.7	1319.8	1296.3	1282.3	1280.1
7.5°	1438.8	1450.5	1460.8	1429.2	1358.7	1275.0	1186.1	1116.4	1055.4	1023.8	1020.9
10°	1491.7	1502.7	1494.6	1404.3	1253.0	1079.6	935.0	789.5	716.8	677.2	677.2
12.5°	1554.8	1563.6	1514.4	1341.8	1078.9	827.7	634.6	481.8	409.1	362.1	359.1
15°	1623.1	1625.3	1511.5	1233.1	863.7	556.0	364.3	267.3	236.5	229.9	228.4
17.5°	1682.6	1673.8	1480.6	1072.3	622.1	331.2	231.4	209.3	203.4	203.4	203.4
20°	1738.4	1709.1	1419.0	885.0	398.8	225.5	199.0	193.2	193.2	193.9	193.9
22.5°	1800.1	1742.1	1330.8	677.2	256.3	193.2	186.5	183.6	182.9	185.1	184.3
25°	1872.8	1774.4	1204.5	467.8	198.3	179.9	177.0	174.1	174.1	174.1	174.1
27.5°	1913.2	1770.0	1060.5	295.2	173.3	166.7	163.8	160.8	158.6	157.9	158.6
30°	1948.5	1744.3	872.5	206.4	156.4	149.1	146.9	143.2	138.8	137.3	137.3
32.5°	1994.8	1723.0	675.7	166.0	141.7	133.7	127.1	121.2	113.8	110.9	110.2
35°	2046.2	1684.1	495.0	146.2	128.5	118.2	108.0	98.4	88.9	85.9	85.2
37.5°	2110.1	1648.8	335.6	135.1	117.5	105.0	91.1	77.9	69.0	67.6	67.6
40°	2196.7	1619.5	232.1	125.6	107.2	92.5	75.6	61.7	55.8	54.3	54.3
42.5°	2315.0	1595.2	175.5	117.5	98.4	80.1	61.0	50.7	46.3	44.8	44.8
45°	2454.5	1557.8	148.4	110.2	89.6	67.6	50.7	42.6	40.4	40.4	40.4
47.5°	2614.6	1510.8	135.1	102.8	80.1	55.1	42.6	38.9	38.2	38.2	38.9
50°	2776.2	1454.9	125.6	94.0	69.0	47.0	38.9	36.7	36.7	37.5	37.5
52.5°	2885.6	1367.5	116.0	84.5	58.0	41.1	36.7	36.0	35.3	35.3	35.3
55°	2992.1	1291.2	102.8	74.2	48.5	38.2	35.3	34.5	34.5	33.8	33.8
57.5°	3103.0	1230.9	85.9	61.7	41.1	36.0	33.8	33.8	32.3	31.6	31.6
60°	3231.6	1178.1	66.1	48.5	36.0	33.8	31.6	30.8	29.4	27.9	27.9
62.5°	3269.0	1066.4	49.9	38.9	30.8	29.4	28.6	27.2	23.5	20.6	21.3
65°	3171.3	890.9	39.7	30.8	25.0	25.0	22.8	19.1	15.4	13.2	13.2
67.5°	2901.8	665.4	32.3	24.2	19.8	19.1	16.2	14.0	9.5	8.1	8.1
70°	2391.4	439.9	26.4	19.1	16.2	13.2	11.0	10.3	7.3	5.9	5.9
72.5°	1676.0	238.7	22.0	15.4	11.8	8.8	7.3	6.6	5.1	4.4	3.7
75°	885.0	91.8	17.6	11.8	7.3	5.9	4.4	4.4	3.7	2.9	2.9
77.5°	303.3	38.9	12.5	6.6	5.1	3.7	2.9	2.2	2.9	2.2	2.2
80°	72.0	22.8	8.1	4.4	2.9	2.2	2.2	1.5	1.5	1.5	1.5
82.5°	31.6	13.2	5.1	2.9	2.9	2.2	1.5	0.7	0.7	0.7	0.7
85°	21.3	8.1	3.7	2.9	2.2	1.5	0.7	0.7	0.0	0.0	0.0
87.5°	16.9	5.1	2.9	2.9	2.2	1.5	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)