

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: P674731

Luminaire Tested: **CCP-SA-2B-760-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674731
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-760-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

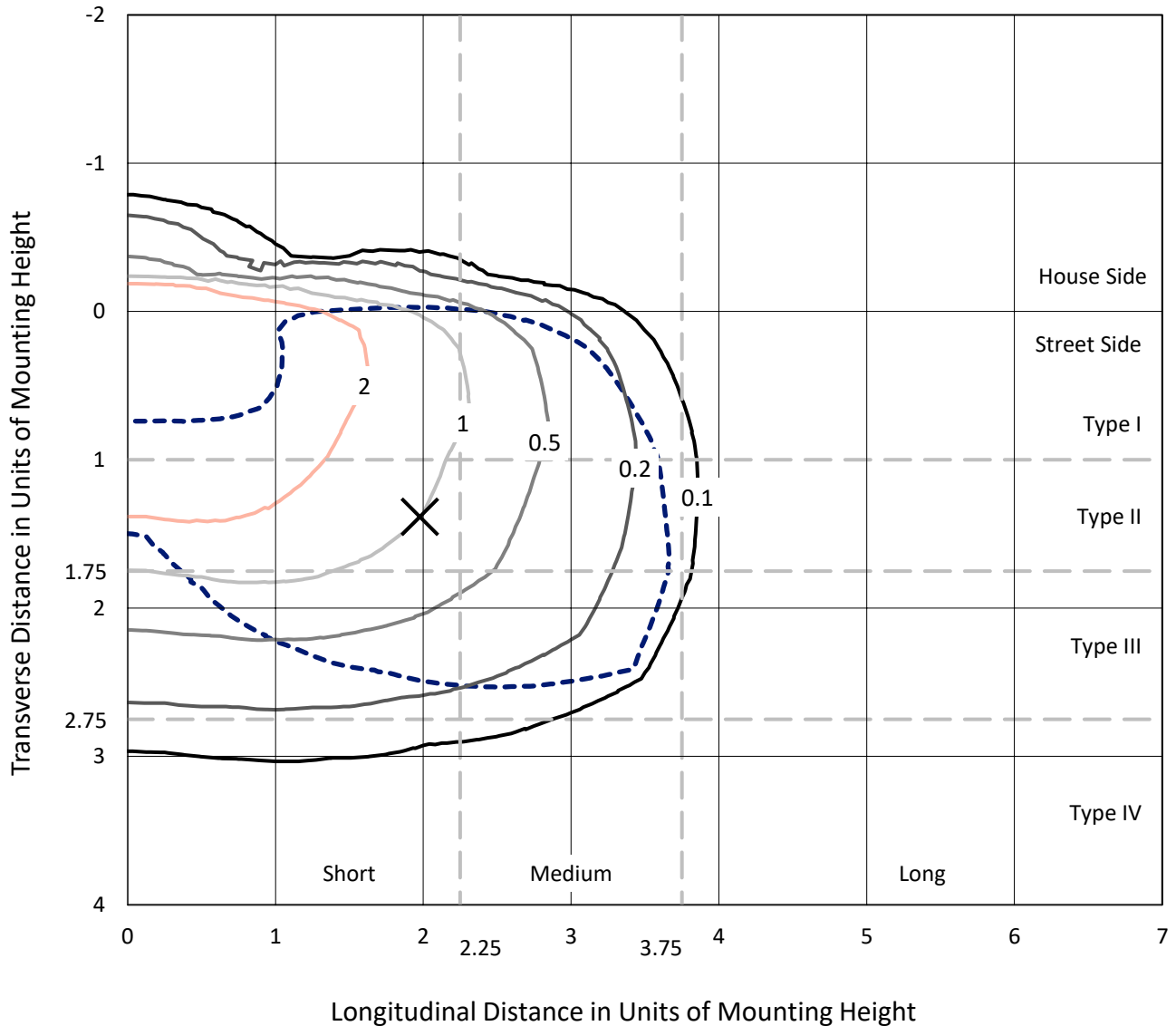
Lumens per Lamp: N/A
Luminaire Lumens: 5602.7 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 46
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

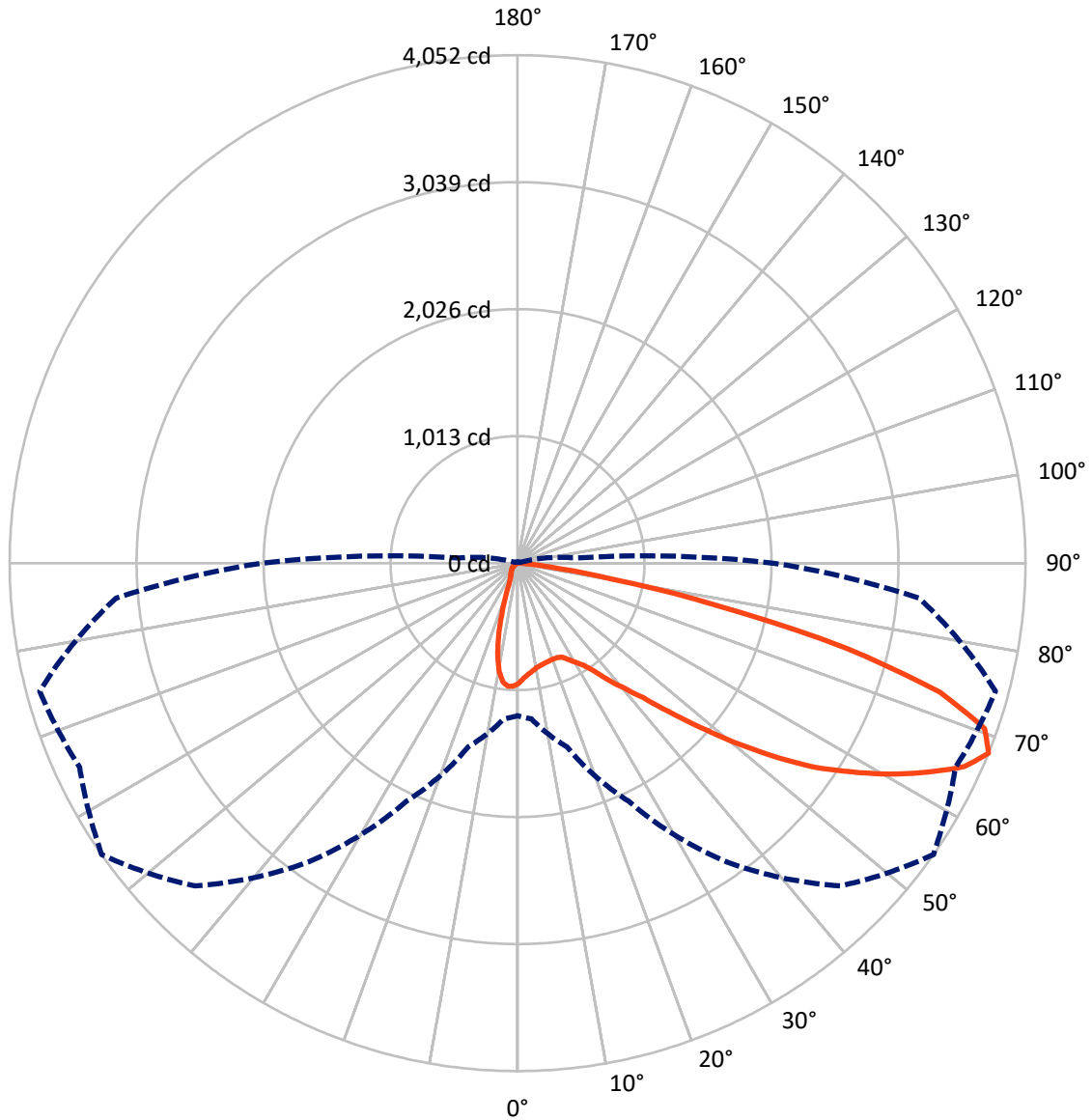
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.7 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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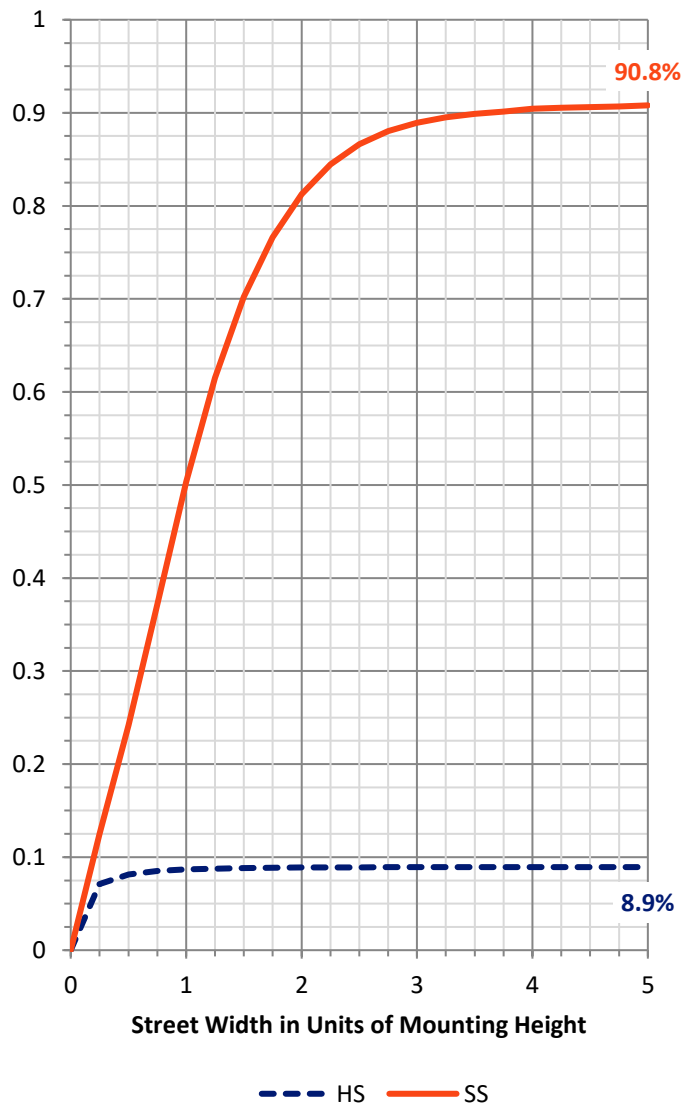
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	503.3	0.0	503.3
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	5099.4	0.0	5099.4
	% Fixture	91.0	0.0	91.0
Total	Lumens	5602.7	0.0	5602.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	1.5
10°-20°	191.9	3.4
20°-30°	307.8	5.5
30°-40°	533.9	9.5
40°-50°	890.2	15.9
50°-60°	1301.7	23.2
60°-70°	1517.8	27.1
70°-80°	736.6	13.1
80°-90°	38.5	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°	5602.7	100.0
0°-180°	5602.7	100.0



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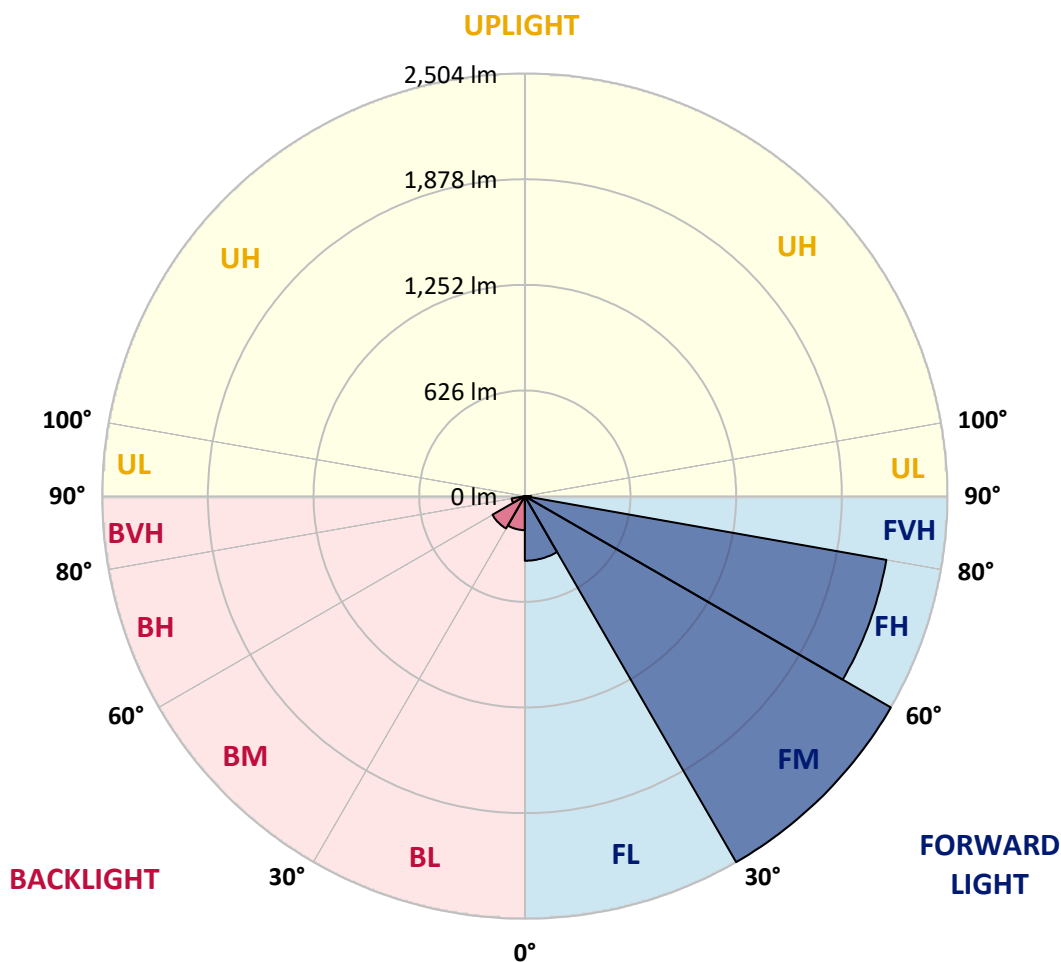
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	382.7	6.8			
FM (30°-60°)	2504.2	44.7			
FH (60°-80°)	2175.0	38.8			G2/5000
FVH (80°-90°)	37.4	0.7			G1/100
BL (0°-30°)	201.2	3.6	B1/500		
BM (30°-60°)	221.6	4.0	B1/1000		
BH (60°-80°)	79.4	1.4	B0/110		G0/110
BVH (80°-90°)	1.1	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°	960.1	960.1	960.1	960.1	960.1	960.1	960.1	960.1	960.1	960.1	960.1
2.5°	886.3	892.0	899.2	901.8	910.6	923.0	919.4	916.8	930.7	949.8	956.0
5°	831.1	831.6	843.0	851.2	866.2	878.1	891.0	889.9	915.2	947.8	968.4
7.5°	776.9	777.9	789.8	802.7	824.4	847.6	867.2	866.2	907.0	950.3	989.6
10°	705.7	710.8	725.3	748.0	782.0	818.7	846.1	848.6	897.7	960.1	1018.5
12.5°	648.4	650.9	666.9	696.4	736.6	784.6	835.7	834.2	899.7	978.2	1056.2
15°	624.1	622.5	632.3	654.0	700.0	760.4	825.4	829.0	907.0	998.9	1095.4
17.5°	629.8	628.2	633.4	641.1	673.6	740.2	819.7	825.9	918.3	1020.5	1132.0
20°	692.7	681.9	672.6	664.4	669.0	723.7	816.1	822.8	925.0	1037.1	1170.8
22.5°	814.1	800.6	775.9	729.9	699.5	724.8	817.2	825.9	940.0	1063.9	1217.7
25°	1011.8	998.9	945.7	851.7	771.2	761.9	831.1	840.4	974.6	1104.7	1267.8
27.5°	1273.5	1244.6	1180.0	1045.3	889.9	821.3	872.9	883.2	1023.6	1136.2	1301.9
30°	1490.8	1484.1	1422.1	1257.0	1053.6	908.5	919.9	925.6	1045.8	1155.3	1335.9
32.5°	1716.4	1702.4	1645.7	1485.1	1243.5	1032.9	972.5	975.1	1074.7	1183.7	1385.5
35°	1912.5	1899.6	1852.1	1696.2	1465.5	1200.2	1059.8	1054.1	1134.6	1246.1	1452.6
37.5°	2094.2	2092.7	2050.9	1891.9	1664.8	1373.6	1188.3	1183.7	1228.0	1314.8	1543.4
40°	2271.8	2267.7	2232.1	2087.0	1860.9	1546.5	1310.6	1298.8	1307.5	1410.8	1663.2
42.5°	2380.7	2389.5	2401.9	2310.0	2093.7	1749.4	1465.5	1458.3	1456.7	1561.0	1820.7
45°	2439.6	2455.1	2527.9	2519.6	2340.5	2001.8	1685.9	1667.3	1661.1	1767.5	2000.8
47.5°	2496.9	2503.6	2622.8	2672.9	2576.9	2265.1	1952.3	1926.5	1901.2	2019.4	2216.1
50°	2500.5	2511.3	2659.0	2780.8	2775.1	2524.2	2251.2	2228.5	2199.5	2326.0	2426.2
52.5°	2449.9	2471.6	2654.3	2848.9	2898.0	2752.9	2561.4	2542.8	2519.1	2613.5	2603.2
55°	2100.4	2137.1	2563.5	2855.1	2984.2	2949.1	2873.2	2847.4	2824.2	2891.3	2776.7
57.5°	1934.2	1954.9	2287.8	2850.5	3094.1	3130.8	3143.7	3131.8	3099.3	3182.9	2957.8
60°	1834.6	1864.5	2156.2	2798.9	3212.9	3336.2	3417.3	3393.5	3353.8	3468.9	3151.9
62.5°	1715.3	1737.0	2025.1	2650.2	3283.6	3545.3	3673.8	3652.1	3570.1	3732.7	3308.9
65°	1495.4	1528.0	1816.5	2416.4	3188.6	3698.6	3915.4	3908.2	3765.7	3931.9	3351.7
67.5°	1217.2	1246.6	1515.6	2095.8	2910.9	3641.3	4052.2	4029.5	3854.5	3946.9	3216.0
70°	913.7	929.7	1132.6	1601.3	2384.9	3335.2	3953.1	3948.4	3719.8	3724.9	2799.4
72.5°	490.4	534.8	753.1	1071.6	1677.1	2701.3	3523.1	3504.5	3318.7	3050.8	2013.2
75°	171.4	184.3	401.1	601.9	911.1	1799.5	2709.0	2665.7	2481.9	1984.3	1096.9
77.5°	105.3	115.6	178.1	307.7	354.6	781.0	1627.6	1571.3	1452.6	857.9	374.8
80°	72.8	82.1	119.2	161.1	120.8	252.9	749.0	727.8	560.1	204.4	86.2
82.5°	40.8	49.0	90.3	79.0	48.5	65.6	259.7	240.6	149.2	55.2	28.9
85°	23.7	28.4	63.5	55.8	24.8	23.2	67.6	60.4	38.7	20.6	13.9
87.5°	12.4	16.0	46.5	37.2	15.0	8.3	15.5	15.0	9.8	7.2	9.3
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°	960.1	960.1	960.1	960.1	960.1	960.1	960.1	960.1	960.1	960.1	960.1
2.5°	967.4	964.8	978.2	982.9	981.8	979.8	984.9	978.2	977.7	976.1	974.6
5°	984.9	989.0	999.9	999.9	985.4	961.7	947.2	927.6	911.1	901.3	899.7
7.5°	1011.2	1019.5	1026.7	1004.5	955.0	896.1	833.7	784.6	741.8	719.6	717.5
10°	1048.4	1056.2	1050.5	987.0	880.6	758.8	657.1	554.9	503.8	475.9	475.9
12.5°	1092.8	1099.0	1064.4	943.1	758.3	581.8	446.0	338.6	287.5	254.5	252.4
15°	1140.8	1142.4	1062.3	866.7	607.1	390.8	256.0	187.9	166.2	161.6	160.5
17.5°	1182.6	1176.4	1040.7	753.7	437.2	232.8	162.6	147.1	143.0	143.0	143.0
20°	1221.9	1201.2	997.3	622.0	280.3	158.5	139.9	135.8	135.8	136.3	136.3
22.5°	1265.2	1224.4	935.4	475.9	180.2	135.8	131.1	129.1	128.5	130.1	129.6
25°	1316.3	1247.1	846.6	328.8	139.4	126.5	124.4	122.3	122.3	122.3	122.3
27.5°	1344.7	1244.1	745.4	207.5	121.8	117.2	115.1	113.0	111.5	111.0	111.5
30°	1369.5	1226.0	613.3	145.1	110.0	104.8	103.2	100.7	97.6	96.5	96.5
32.5°	1402.0	1211.0	474.9	116.7	99.6	93.9	89.3	85.2	80.0	77.9	77.4
35°	1438.1	1183.7	347.9	102.7	90.3	83.1	75.9	69.2	62.5	60.4	59.9
37.5°	1483.1	1158.9	235.9	95.0	82.6	73.8	64.0	54.7	48.5	47.5	47.5
40°	1544.0	1138.2	163.1	88.3	75.4	65.0	53.2	43.4	39.2	38.2	38.2
42.5°	1627.1	1121.2	123.4	82.6	69.2	56.3	42.8	35.6	32.5	31.5	31.5
45°	1725.2	1094.9	104.3	77.4	63.0	47.5	35.6	29.9	28.4	28.4	28.4
47.5°	1837.7	1061.8	95.0	72.3	56.3	38.7	29.9	27.4	26.8	26.8	27.4
50°	1951.3	1022.6	88.3	66.1	48.5	33.0	27.4	25.8	25.8	26.3	26.3
52.5°	2028.2	961.2	81.6	59.4	40.8	28.9	25.8	25.3	24.8	24.8	24.8
55°	2103.0	907.5	72.3	52.1	34.1	26.8	24.8	24.3	24.3	23.7	23.7
57.5°	2181.0	865.2	60.4	43.4	28.9	25.3	23.7	23.7	22.7	22.2	22.2
60°	2271.3	828.0	46.5	34.1	25.3	23.7	22.2	21.7	20.6	19.6	19.6
62.5°	2297.6	749.5	35.1	27.4	21.7	20.6	20.1	19.1	16.5	14.5	15.0
65°	2229.0	626.2	27.9	21.7	17.6	17.6	16.0	13.4	10.8	9.3	9.3
67.5°	2039.5	467.7	22.7	17.0	13.9	13.4	11.4	9.8	6.7	5.7	5.7
70°	1680.8	309.2	18.6	13.4	11.4	9.3	7.7	7.2	5.2	4.1	4.1
72.5°	1178.0	167.8	15.5	10.8	8.3	6.2	5.2	4.6	3.6	3.1	2.6
75°	622.0	64.5	12.4	8.3	5.2	4.1	3.1	3.1	2.6	2.1	2.1
77.5°	213.2	27.4	8.8	4.6	3.6	2.6	2.1	1.5	2.1	1.5	1.5
80°	50.6	16.0	5.7	3.1	2.1	1.5	1.5	1.0	1.0	1.0	1.0
82.5°	22.2	9.3	3.6	2.1	2.1	1.5	1.0	0.5	0.5	0.5	0.5
85°	15.0	5.7	2.6	2.1	1.5	1.0	0.5	0.5	0.0	0.0	0.0
87.5°	11.9	3.6	2.1	2.1	1.5	1.0	0.5	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)