

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: P674706

Luminaire Tested: **CCP-SA-1E-740-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674706
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-740-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

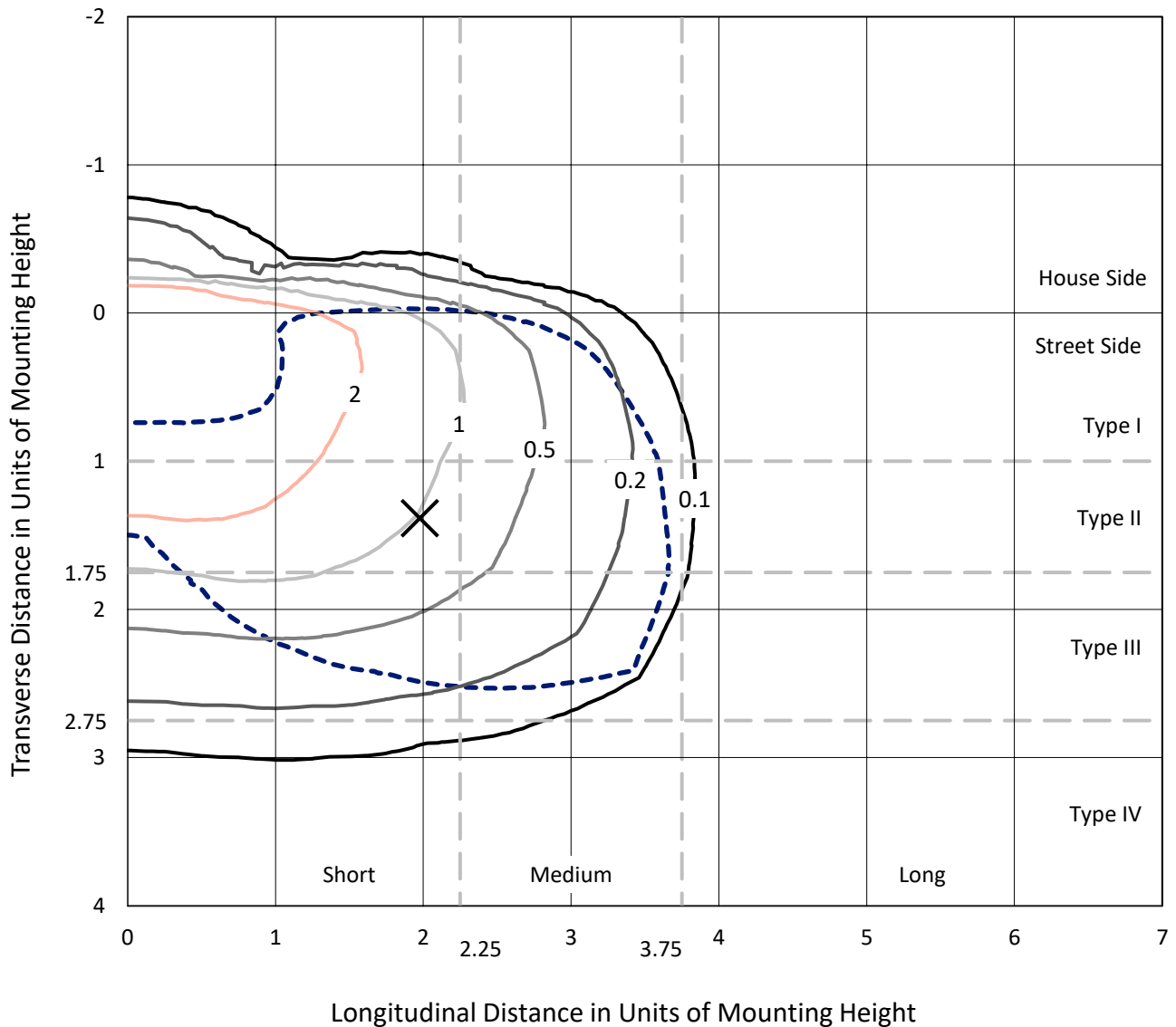
Lumens per Lamp: N/A
Luminaire Lumens: 5422.4 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
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

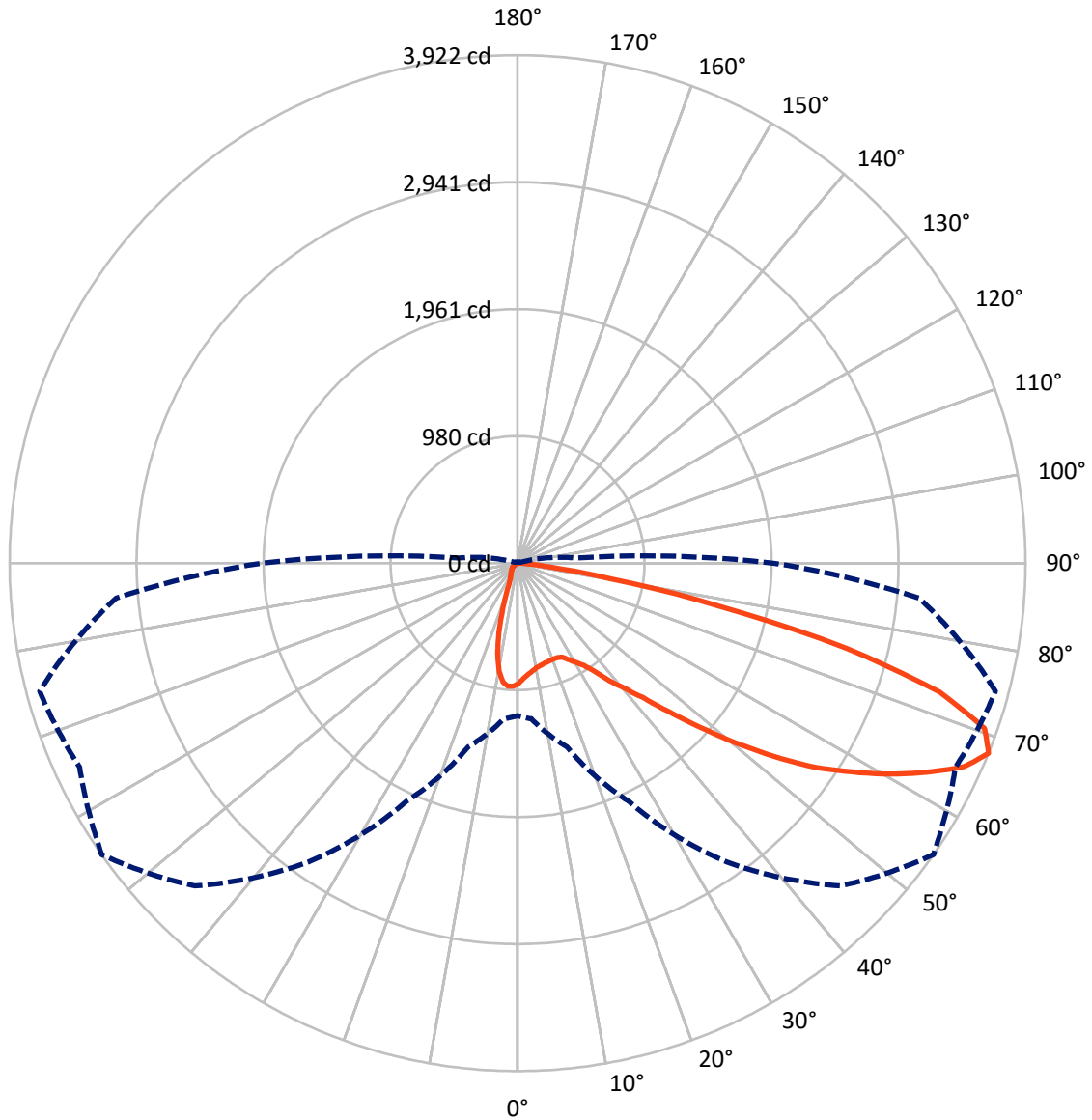
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 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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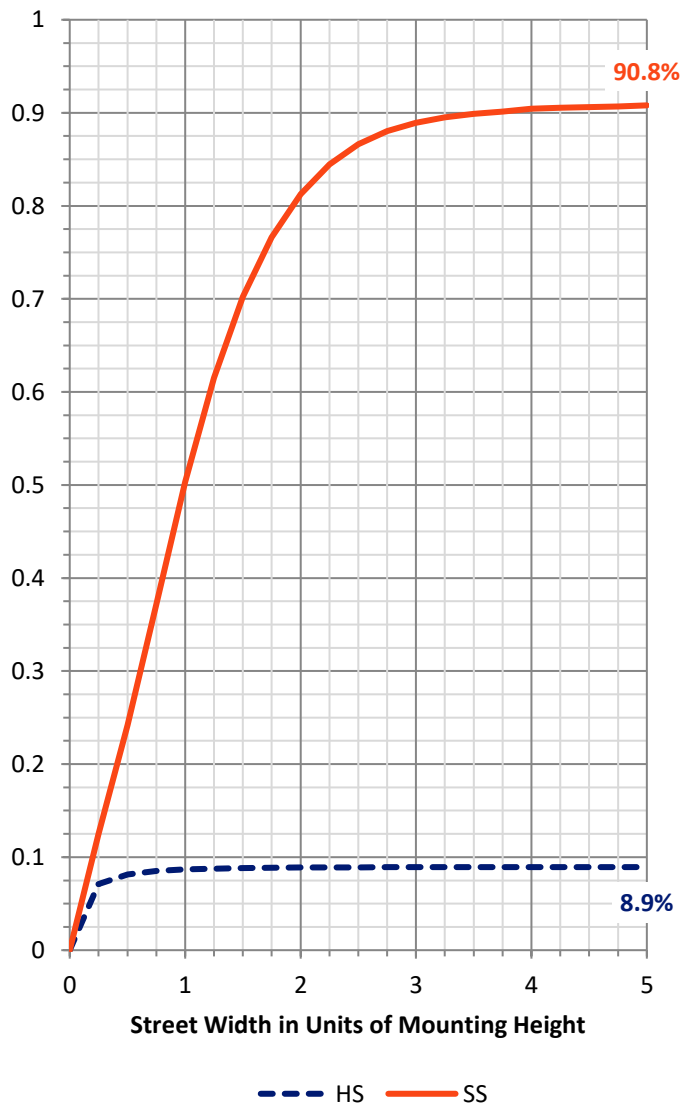
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	487.1	0.0	487.1
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4935.3	0.0	4935.3
	% Fixture	91.0	0.0	91.0
Total	Lumens	5422.4	0.0	5422.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	1.5
10°-20°	185.7	3.4
20°-30°	297.9	5.5
30°-40°	516.7	9.5
40°-50°	861.5	15.9
50°-60°	1259.9	23.2
60°-70°	1469.0	27.1
70°-80°	712.9	13.1
80°-90°	37.3	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°	5422.4	100.0
0°-180°	5422.4	100.0



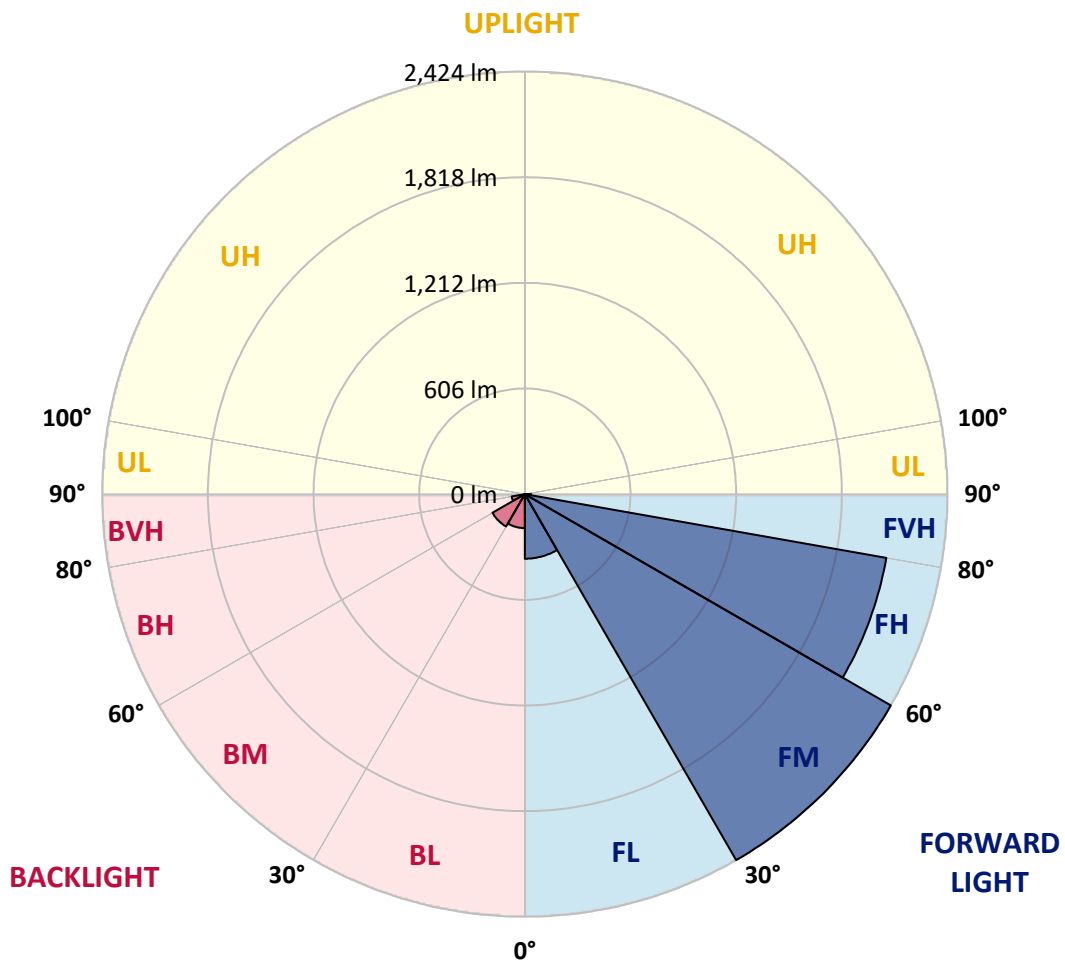
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	370.4	6.8			
FM (30°-60°)	2423.6	44.7			
FH (60°-80°)	2105.0	38.8			G2/5000
FVH (80°-90°)	36.2	0.7			G1/100
BL (0°-30°)	194.7	3.6	B1/500		
BM (30°-60°)	214.5	4.0	B0/220		
BH (60°-80°)	76.8	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°	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2
2.5°	857.8	863.3	870.3	872.8	881.3	893.3	889.8	887.3	900.8	919.3	925.2
5°	804.3	804.8	815.8	823.8	838.3	849.8	862.3	861.3	885.8	917.3	937.2
7.5°	751.9	752.9	764.4	776.9	797.8	820.3	839.3	838.3	877.8	919.8	957.7
10°	682.9	687.9	701.9	723.9	756.9	792.4	818.8	821.3	868.8	929.2	985.7
12.5°	627.5	630.0	645.5	674.0	712.9	759.4	808.8	807.3	870.8	946.7	1022.2
15°	604.0	602.5	612.0	633.0	677.4	735.9	798.8	802.3	877.8	966.7	1060.1
17.5°	609.5	608.0	613.0	620.5	652.0	716.4	793.4	799.3	888.8	987.7	1095.6
20°	670.5	660.0	651.0	643.0	647.5	700.4	789.9	796.4	895.3	1003.7	1133.1
22.5°	787.9	774.9	750.9	706.4	676.9	701.4	790.9	799.3	909.8	1029.7	1178.5
25°	979.2	966.7	915.3	824.3	746.4	737.4	804.3	813.3	943.2	1069.1	1227.0
27.5°	1232.5	1204.5	1142.1	1011.7	861.3	794.9	844.8	854.8	990.7	1099.6	1260.0
30°	1442.8	1436.3	1376.4	1216.5	1019.7	879.3	890.3	895.8	1012.2	1118.1	1292.9
32.5°	1661.1	1647.7	1592.7	1437.3	1203.5	999.7	941.2	943.7	1040.2	1145.6	1340.9
35°	1851.0	1838.5	1792.5	1641.7	1418.3	1161.6	1025.7	1020.2	1098.1	1206.0	1405.9
37.5°	2026.8	2025.3	1984.9	1831.0	1611.2	1329.4	1150.1	1145.6	1188.5	1272.5	1493.8
40°	2198.7	2194.7	2160.2	2019.9	1801.0	1496.8	1268.5	1257.0	1265.5	1365.4	1609.7
42.5°	2304.1	2312.6	2324.6	2235.7	2026.3	1693.1	1418.3	1411.4	1409.9	1510.8	1762.1
45°	2361.1	2376.1	2446.5	2438.5	2265.2	1937.4	1631.7	1613.7	1607.7	1710.6	1936.4
47.5°	2416.5	2423.0	2538.4	2586.9	2494.0	2192.2	1889.5	1864.5	1840.0	1954.4	2144.8
50°	2420.0	2430.5	2573.4	2691.3	2685.8	2443.0	2178.7	2156.7	2128.8	2251.2	2348.1
52.5°	2371.1	2392.1	2568.9	2757.3	2804.7	2664.3	2479.0	2461.0	2438.0	2529.4	2519.4
55°	2032.8	2068.3	2481.0	2763.2	2888.1	2854.2	2780.7	2755.8	2733.3	2798.2	2687.3
57.5°	1872.0	1892.0	2214.2	2758.8	2994.6	3030.0	3042.5	3031.0	2999.6	3080.5	2862.7
60°	1775.6	1804.5	2086.8	2708.8	3109.5	3228.9	3307.3	3284.3	3245.9	3357.3	3050.5
62.5°	1660.1	1681.1	1959.9	2564.9	3177.9	3431.2	3555.6	3534.6	3455.2	3612.6	3202.4
65°	1447.3	1478.8	1758.1	2338.6	3086.0	3579.6	3789.4	3782.4	3644.5	3805.4	3243.9
67.5°	1178.0	1206.5	1466.8	2028.3	2817.2	3524.1	3921.8	3899.8	3730.5	3819.9	3112.5
70°	884.3	899.8	1096.1	1549.7	2308.1	3227.9	3825.9	3821.4	3600.1	3605.1	2709.3
72.5°	474.6	517.6	728.9	1037.2	1623.2	2614.4	3409.7	3391.7	3211.9	2952.6	1948.4
75°	165.9	178.4	388.2	582.5	881.8	1741.6	2621.9	2579.9	2402.0	1920.4	1061.6
77.5°	101.9	111.9	172.4	297.8	343.2	755.9	1575.2	1520.8	1405.9	830.3	362.7
80°	70.4	79.4	115.4	155.9	116.9	244.8	724.9	704.4	542.1	197.8	83.4
82.5°	39.5	47.5	87.4	76.4	47.0	63.4	251.3	232.8	144.4	53.5	28.0
85°	23.0	27.5	61.4	54.0	24.0	22.5	65.4	58.5	37.5	20.0	13.5
87.5°	12.0	15.5	45.0	36.0	14.5	8.0	15.0	14.5	9.5	7.0	9.0
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°	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2
2.5°	936.2	933.7	946.7	951.2	950.2	948.2	953.2	946.7	946.2	944.7	943.2
5°	953.2	957.2	967.7	967.7	953.7	930.7	916.8	897.8	881.8	872.3	870.8
7.5°	978.7	986.7	993.7	972.2	924.2	867.3	806.8	759.4	717.9	696.4	694.4
10°	1014.7	1022.2	1016.7	955.2	852.3	734.4	636.0	537.1	487.6	460.6	460.6
12.5°	1057.6	1063.6	1030.2	912.8	733.9	563.0	431.6	327.7	278.3	246.3	244.3
15°	1104.1	1105.6	1028.2	838.8	587.5	378.2	247.8	181.9	160.9	156.4	155.4
17.5°	1144.6	1138.6	1007.2	729.4	423.2	225.3	157.4	142.4	138.4	138.4	138.4
20°	1182.5	1162.6	965.2	602.0	271.3	153.4	135.4	131.4	131.4	131.9	131.9
22.5°	1224.5	1185.0	905.3	460.6	174.4	131.4	126.9	124.9	124.4	125.9	125.4
25°	1274.0	1207.0	819.3	318.2	134.9	122.4	120.4	118.4	118.4	118.4	118.4
27.5°	1301.4	1204.0	721.4	200.8	117.9	113.4	111.4	109.4	107.9	107.4	107.9
30°	1325.4	1186.5	593.5	140.4	106.4	101.4	99.9	97.4	94.4	93.4	93.4
32.5°	1356.9	1172.0	459.6	112.9	96.4	90.9	86.4	82.4	77.4	75.4	74.9
35°	1391.9	1145.6	336.7	99.4	87.4	80.4	73.4	66.9	60.5	58.5	58.0
37.5°	1435.3	1121.6	228.3	91.9	79.9	71.4	61.9	53.0	47.0	46.0	46.0
40°	1494.3	1101.6	157.9	85.4	72.9	62.9	51.5	42.0	38.0	37.0	37.0
42.5°	1574.7	1085.1	119.4	79.9	66.9	54.5	41.5	34.5	31.5	30.5	30.5
45°	1669.6	1059.6	100.9	74.9	61.0	46.0	34.5	29.0	27.5	27.5	27.5
47.5°	1778.6	1027.7	91.9	69.9	54.5	37.5	29.0	26.5	26.0	26.0	26.5
50°	1888.5	989.7	85.4	63.9	47.0	32.0	26.5	25.0	25.0	25.5	25.5
52.5°	1962.9	930.2	78.9	57.5	39.5	28.0	25.0	24.5	24.0	24.0	24.0
55°	2035.3	878.3	69.9	50.5	33.0	26.0	24.0	23.5	23.5	23.0	23.0
57.5°	2110.8	837.3	58.5	42.0	28.0	24.5	23.0	23.0	22.0	21.5	21.5
60°	2198.2	801.3	45.0	33.0	24.5	23.0	21.5	21.0	20.0	19.0	19.0
62.5°	2223.7	725.4	34.0	26.5	21.0	20.0	19.5	18.5	16.0	14.0	14.5
65°	2157.2	606.0	27.0	21.0	17.0	17.0	15.5	13.0	10.5	9.0	9.0
67.5°	1973.9	452.6	22.0	16.5	13.5	13.0	11.0	9.5	6.5	5.5	5.5
70°	1626.7	299.3	18.0	13.0	11.0	9.0	7.5	7.0	5.0	4.0	4.0
72.5°	1140.1	162.4	15.0	10.5	8.0	6.0	5.0	4.5	3.5	3.0	2.5
75°	602.0	62.4	12.0	8.0	5.0	4.0	3.0	3.0	2.5	2.0	2.0
77.5°	206.3	26.5	8.5	4.5	3.5	2.5	2.0	1.5	2.0	1.5	1.5
80°	49.0	15.5	5.5	3.0	2.0	1.5	1.5	1.0	1.0	1.0	1.0
82.5°	21.5	9.0	3.5	2.0	2.0	1.5	1.0	0.5	0.5	0.5	0.5
85°	14.5	5.5	2.5	2.0	1.5	1.0	0.5	0.5	0.0	0.0	0.0
87.5°	11.5	3.5	2.0	2.0	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)