

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: P674705

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674705
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-740-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

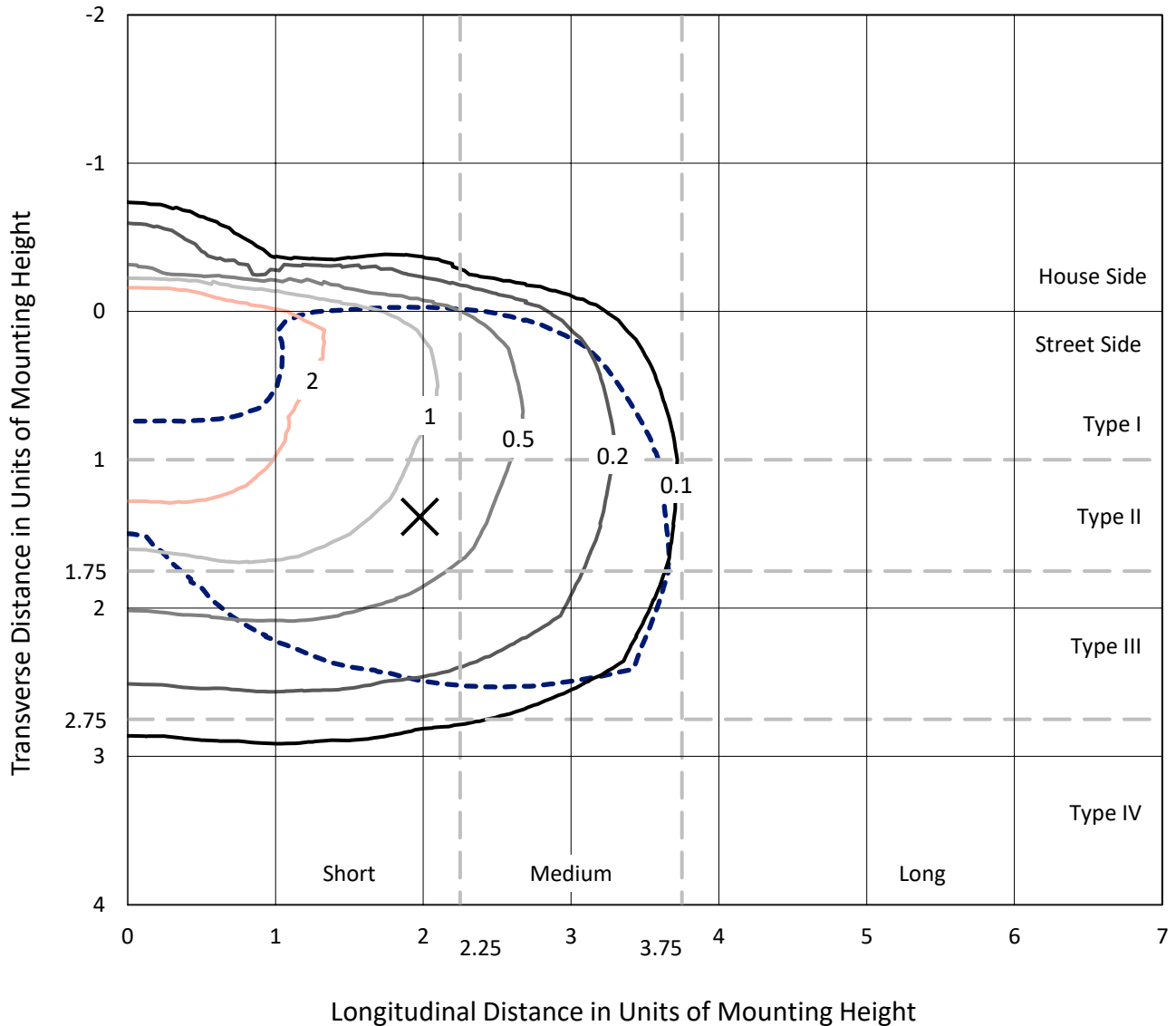
Lumens per Lamp: N/A
Luminaire Lumens: 4423 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 44
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

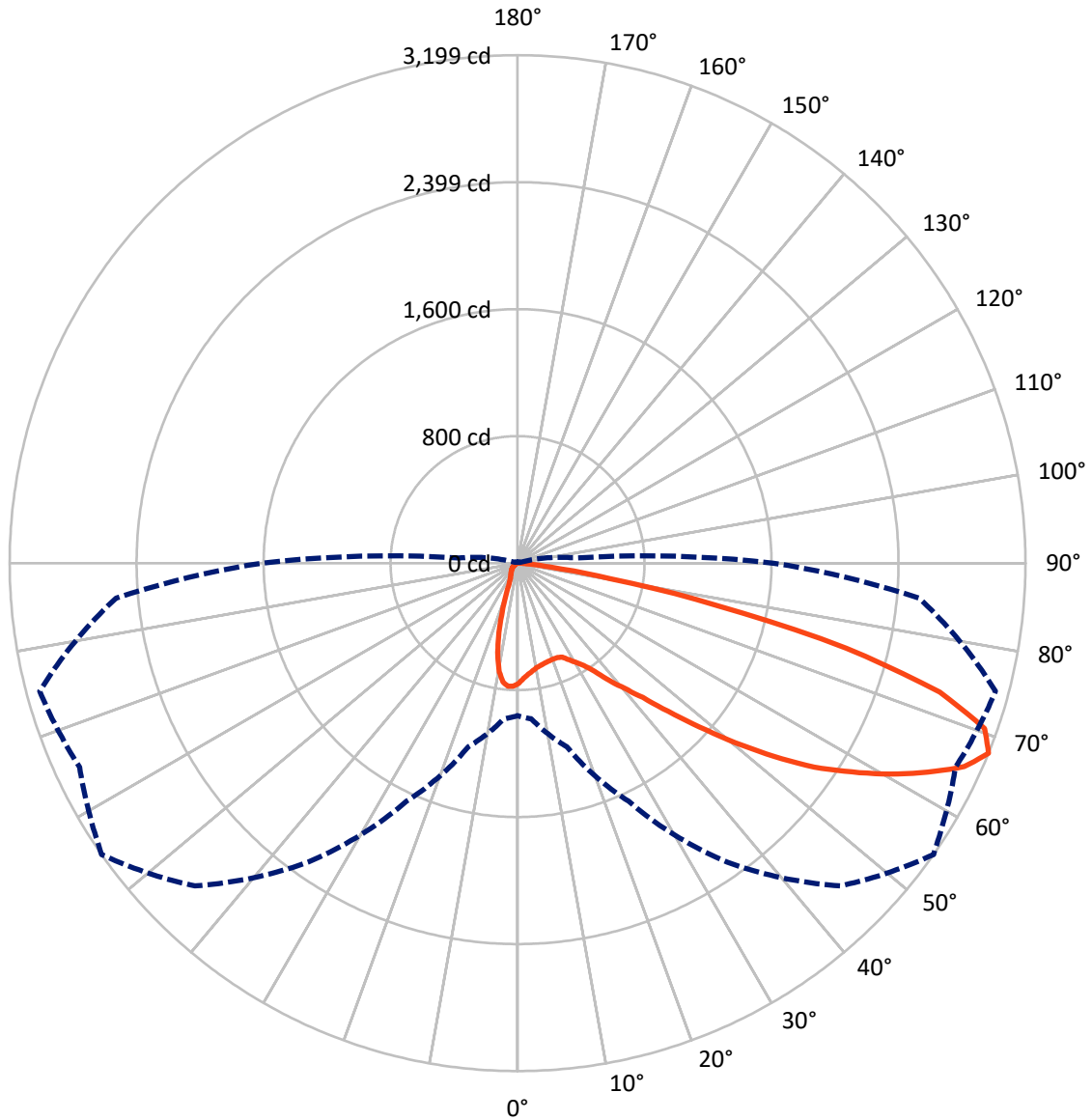
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.7 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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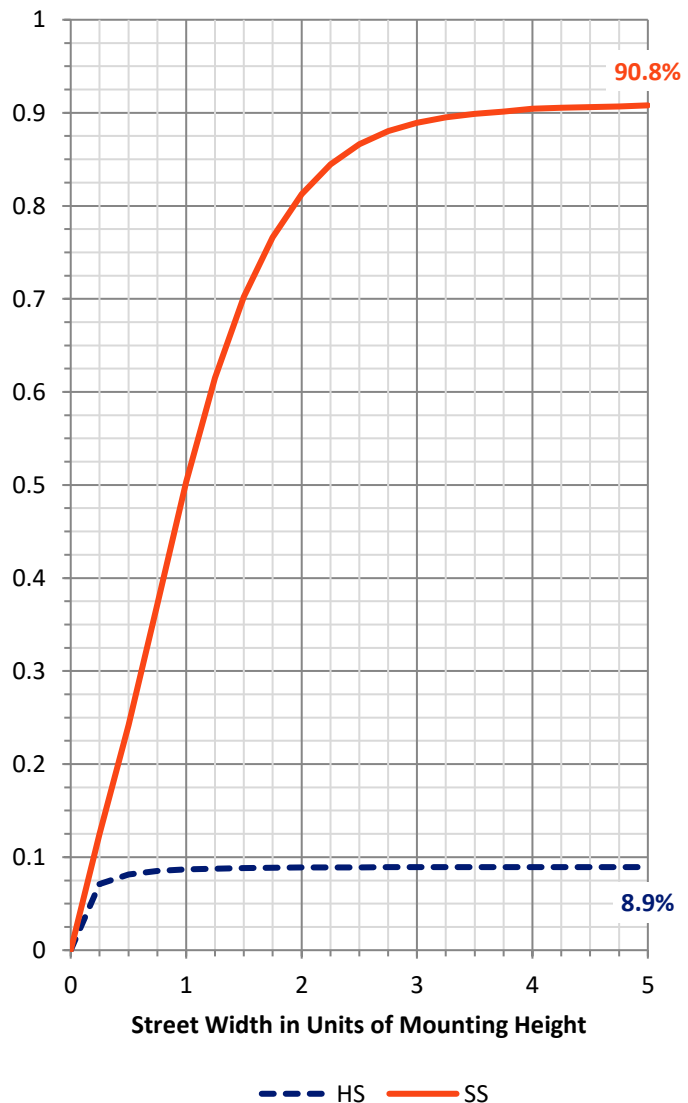
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	397.3	0.0	397.3
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4025.7	0.0	4025.7
	% Fixture	91.0	0.0	91.0
Total	Lumens	4423.0	0.0	4423.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.5	1.5
10°-20°	151.5	3.4
20°-30°	243.0	5.5
30°-40°	421.5	9.5
40°-50°	702.8	15.9
50°-60°	1027.7	23.2
60°-70°	1198.2	27.1
70°-80°	581.5	13.1
80°-90°	30.4	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°	4423.0	100.0
0°-180°	4423.0	100.0



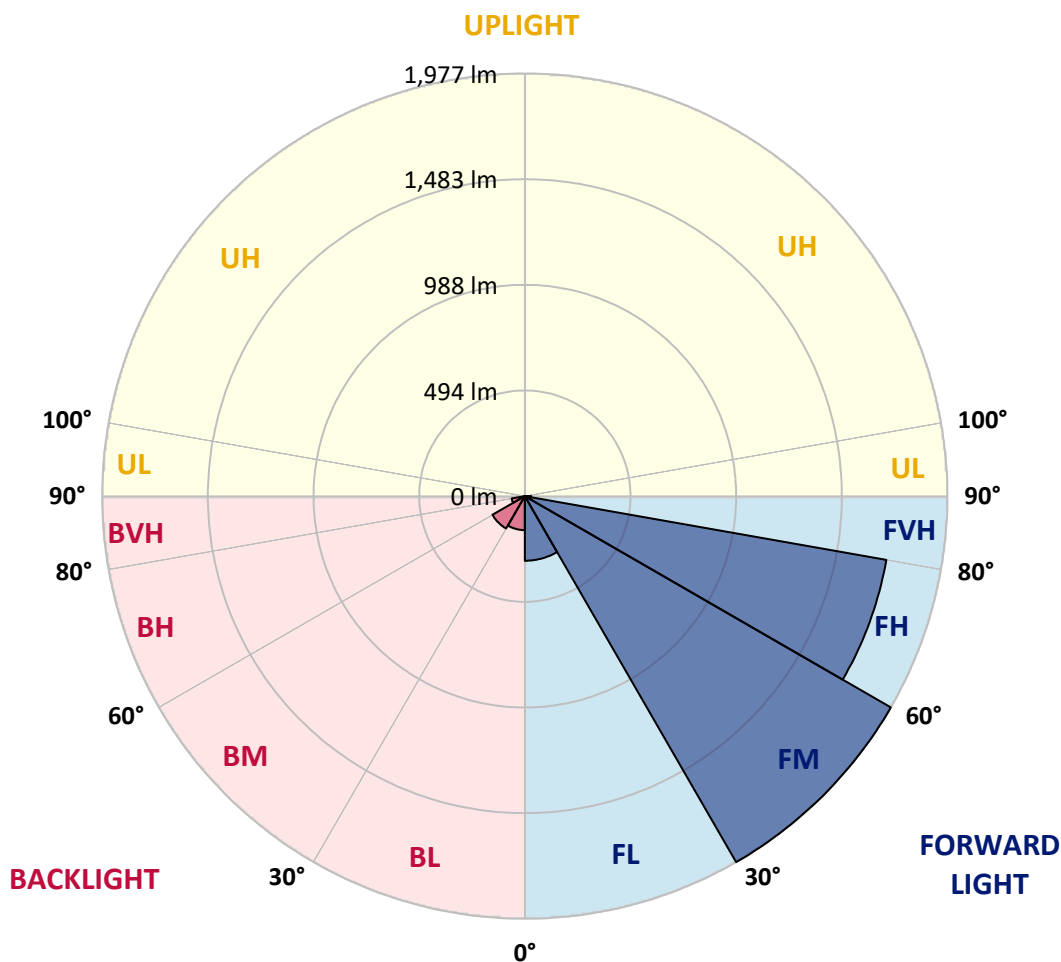
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	302.1	6.8			
FM (30°-60°)	1976.9	44.7			
FH (60°-80°)	1717.1	38.8			G1/1800
FVH (80°-90°)	29.5	0.7			G1/100
BL (0°-30°)	158.8	3.6	B1/500		
BM (30°-60°)	174.9	4.0	B0/220		
BH (60°-80°)	62.7	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	699.7	704.2	709.9	711.9	718.9	728.6	725.8	723.7	734.7	749.8	754.7
5°	656.1	656.5	665.5	672.0	683.8	693.2	703.4	702.6	722.5	748.2	764.5
7.5°	613.3	614.1	623.5	633.7	650.8	669.1	684.6	683.8	716.0	750.2	781.2
10°	557.1	561.1	572.6	590.5	617.4	646.3	667.9	670.0	708.7	758.0	804.0
12.5°	511.8	513.9	526.5	549.7	581.5	619.4	659.8	658.5	710.3	772.2	833.8
15°	492.7	491.5	499.2	516.3	552.6	600.3	651.6	654.5	716.0	788.5	864.7
17.5°	497.2	495.9	500.0	506.1	531.8	584.4	647.1	652.0	725.0	805.7	893.7
20°	546.9	538.3	531.0	524.5	528.1	571.3	644.3	649.6	730.3	818.7	924.2
22.5°	642.6	632.1	612.5	576.2	552.2	572.1	645.1	652.0	742.1	839.9	961.3
25°	798.7	788.5	746.6	672.4	608.8	601.5	656.1	663.4	769.4	872.1	1000.9
27.5°	1005.3	982.5	931.6	825.2	702.6	648.4	689.1	697.3	808.1	896.9	1027.7
30°	1176.9	1171.6	1122.7	992.3	831.7	717.2	726.2	730.7	825.6	912.0	1054.6
32.5°	1355.0	1344.0	1299.2	1172.4	981.7	815.4	767.8	769.8	848.4	934.4	1093.8
35°	1509.8	1499.6	1462.2	1339.1	1156.9	947.5	836.6	832.1	895.7	983.7	1146.7
37.5°	1653.3	1652.1	1619.0	1493.5	1314.2	1084.4	938.1	934.4	969.5	1037.9	1218.5
40°	1793.5	1790.2	1762.1	1647.6	1469.1	1220.9	1034.7	1025.3	1032.2	1113.7	1313.0
42.5°	1879.4	1886.4	1896.2	1823.6	1652.9	1381.1	1156.9	1151.2	1150.0	1232.3	1437.3
45°	1925.9	1938.1	1995.6	1989.1	1847.7	1580.3	1330.9	1316.3	1311.4	1395.3	1579.5
47.5°	1971.1	1976.4	2070.6	2110.1	2034.3	1788.2	1541.2	1520.8	1500.9	1594.2	1749.5
50°	1974.0	1982.5	2099.1	2195.3	2190.8	1992.7	1777.2	1759.2	1736.4	1836.3	1915.3
52.5°	1934.1	1951.2	2095.4	2249.1	2287.8	2173.3	2022.1	2007.4	1988.7	2063.2	2055.1
55°	1658.2	1687.1	2023.7	2254.0	2355.8	2328.1	2268.2	2247.8	2229.5	2282.5	2192.0
57.5°	1526.9	1543.3	1806.1	2250.3	2442.6	2471.6	2481.8	2472.4	2446.7	2512.7	2335.0
60°	1448.3	1471.9	1702.2	2209.5	2536.4	2633.8	2697.7	2679.0	2647.6	2738.5	2488.3
62.5°	1354.2	1371.3	1598.7	2092.2	2592.2	2798.8	2900.3	2883.2	2818.4	2946.7	2612.2
65°	1180.6	1206.2	1434.0	1907.6	2517.2	2919.8	3091.0	3085.3	2972.8	3104.0	2646.0
67.5°	960.9	984.1	1196.5	1654.5	2298.0	2874.6	3199.0	3181.0	3042.9	3115.8	2538.8
70°	721.3	733.9	894.1	1264.1	1882.7	2632.9	3120.7	3117.1	2936.5	2940.6	2209.9
72.5°	387.1	422.2	594.6	846.0	1324.0	2132.5	2781.3	2766.6	2619.9	2408.4	1589.3
75°	135.3	145.5	316.6	475.2	719.3	1420.6	2138.6	2104.4	1959.3	1566.5	866.0
77.5°	83.1	91.3	140.6	242.9	280.0	616.6	1284.9	1240.5	1146.7	677.3	295.9
80°	57.5	64.8	94.1	127.1	95.4	199.7	591.3	574.6	442.2	161.4	68.1
82.5°	32.2	38.7	71.3	62.3	38.3	51.8	205.0	189.9	117.8	43.6	22.8
85°	18.7	22.4	50.1	44.0	19.6	18.3	53.4	47.7	30.6	16.3	11.0
87.5°	9.8	12.6	36.7	29.3	11.8	6.5	12.2	11.8	7.7	5.7	7.3
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°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	763.7	761.6	772.2	775.9	775.1	773.5	777.5	772.2	771.8	770.6	769.4
5°	777.5	780.8	789.4	789.4	777.9	759.2	747.8	732.3	719.3	711.5	710.3
7.5°	798.3	804.8	810.5	793.0	753.9	707.4	658.1	619.4	585.6	568.1	566.4
10°	827.7	833.8	829.3	779.2	695.2	599.0	518.8	438.1	397.7	375.7	375.7
12.5°	862.7	867.6	840.3	744.5	598.6	459.3	352.1	267.3	227.0	200.9	199.3
15°	900.6	901.8	838.7	684.2	479.2	308.5	202.1	148.3	131.2	127.6	126.7
17.5°	933.6	928.7	821.5	595.0	345.2	183.8	128.4	116.1	112.9	112.9	112.9
20°	964.6	948.3	787.3	491.1	221.3	125.1	110.4	107.2	107.2	107.6	107.6
22.5°	998.8	966.6	738.4	375.7	142.2	107.2	103.5	101.9	101.5	102.7	102.3
25°	1039.2	984.6	668.3	259.6	110.0	99.8	98.2	96.6	96.6	96.6	96.6
27.5°	1061.6	982.1	588.4	163.8	96.2	92.5	90.9	89.2	88.0	87.6	88.0
30°	1081.1	967.8	484.1	114.5	86.8	82.7	81.5	79.5	77.0	76.2	76.2
32.5°	1106.8	956.0	374.9	92.1	78.6	74.2	70.5	67.2	63.2	61.5	61.1
35°	1135.3	934.4	274.7	81.1	71.3	65.6	59.9	54.6	49.3	47.7	47.3
37.5°	1170.8	914.9	186.2	75.0	65.2	58.3	50.5	43.2	38.3	37.5	37.5
40°	1218.9	898.6	128.8	69.7	59.5	51.3	42.0	34.2	31.0	30.2	30.2
42.5°	1284.5	885.1	97.4	65.2	54.6	44.4	33.8	28.1	25.7	24.9	24.9
45°	1361.9	864.3	82.3	61.1	49.7	37.5	28.1	23.6	22.4	22.4	22.4
47.5°	1450.7	838.3	75.0	57.1	44.4	30.6	23.6	21.6	21.2	21.2	21.6
50°	1540.4	807.3	69.7	52.2	38.3	26.1	21.6	20.4	20.4	20.8	20.8
52.5°	1601.1	758.8	64.4	46.9	32.2	22.8	20.4	20.0	19.6	19.6	19.6
55°	1660.2	716.4	57.1	41.2	26.9	21.2	19.6	19.2	19.2	18.7	18.7
57.5°	1721.7	683.0	47.7	34.2	22.8	20.0	18.7	18.7	17.9	17.5	17.5
60°	1793.1	653.7	36.7	26.9	20.0	18.7	17.5	17.1	16.3	15.5	15.5
62.5°	1813.8	591.7	27.7	21.6	17.1	16.3	15.9	15.1	13.0	11.4	11.8
65°	1759.6	494.3	22.0	17.1	13.9	13.9	12.6	10.6	8.6	7.3	7.3
67.5°	1610.1	369.2	17.9	13.4	11.0	10.6	9.0	7.7	5.3	4.5	4.5
70°	1326.9	244.1	14.7	10.6	9.0	7.3	6.1	5.7	4.1	3.3	3.3
72.5°	929.9	132.4	12.2	8.6	6.5	4.9	4.1	3.7	2.9	2.4	2.0
75°	491.1	50.9	9.8	6.5	4.1	3.3	2.4	2.4	2.0	1.6	1.6
77.5°	168.3	21.6	6.9	3.7	2.9	2.0	1.6	1.2	1.6	1.2	1.2
80°	39.9	12.6	4.5	2.4	1.6	1.2	1.2	0.8	0.8	0.8	0.8
82.5°	17.5	7.3	2.9	1.6	1.6	1.2	0.8	0.4	0.4	0.4	0.4
85°	11.8	4.5	2.0	1.6	1.2	0.8	0.4	0.4	0.0	0.0	0.0
87.5°	9.4	2.9	1.6	1.6	1.2	0.8	0.4	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)