

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: P674566

Luminaire Tested: **CCP-SA-2C-740-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674566
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-740-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T2R distribution lens and House Side Shield
Light Source: (32) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

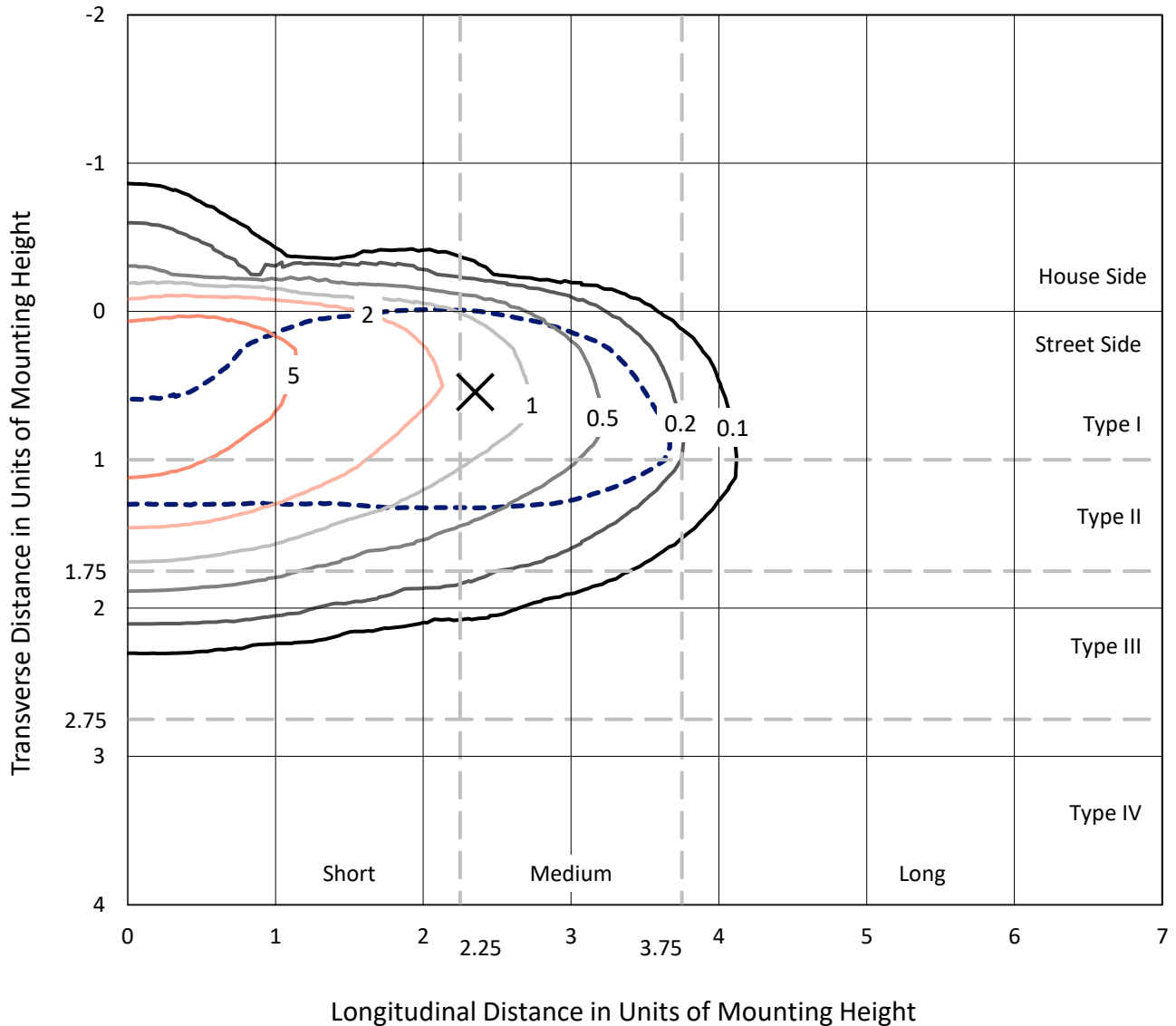
Lumens per Lamp: N/A
Luminaire Lumens: 7320.9 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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

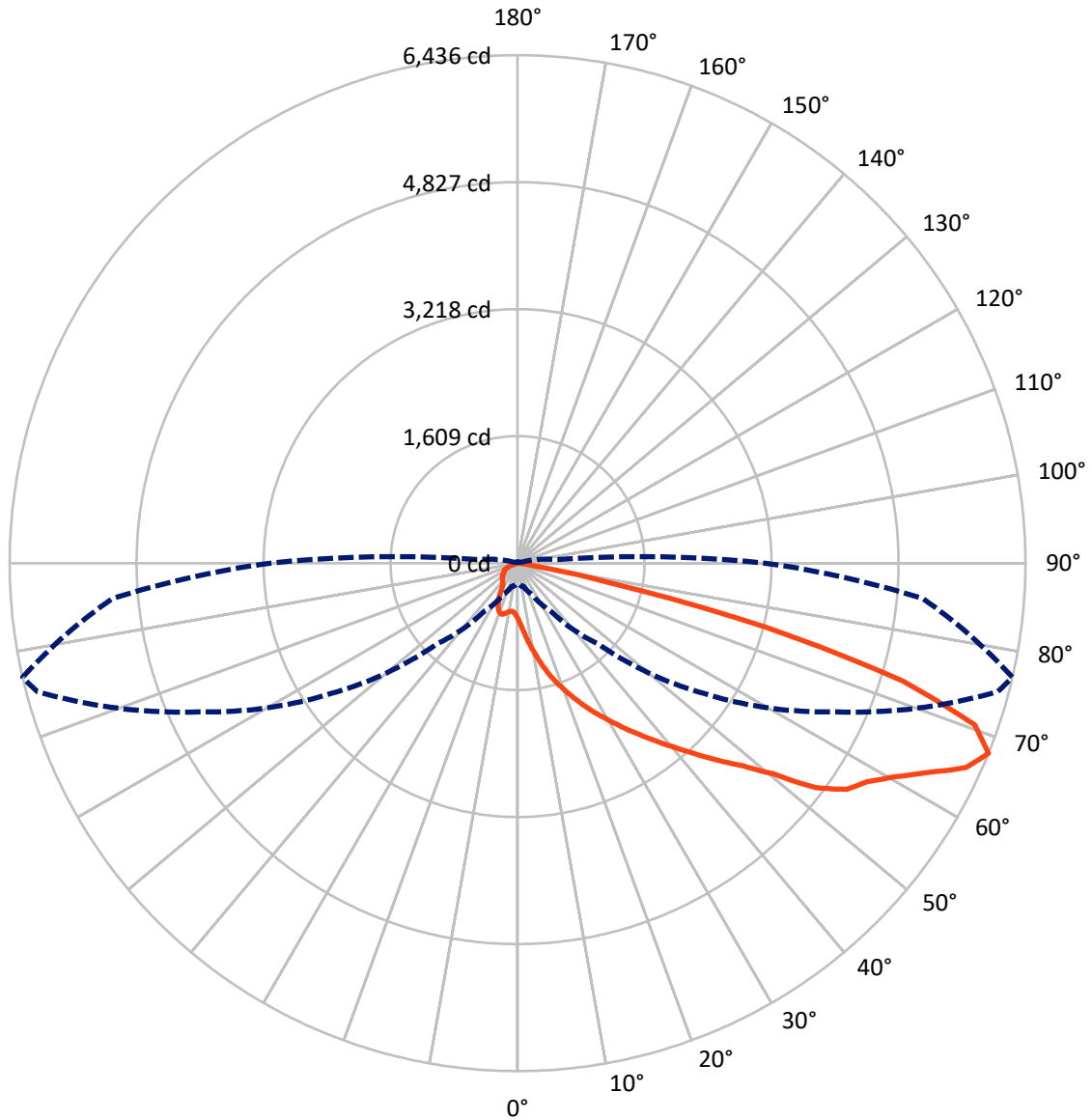
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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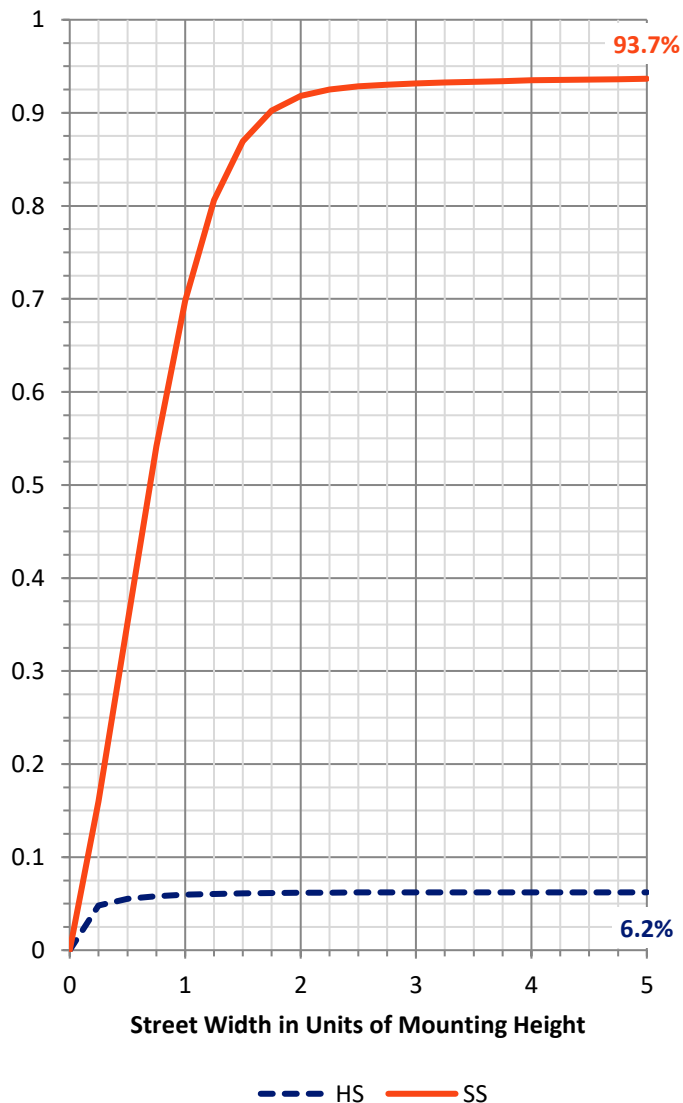
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	457.5	0.0	457.5
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	6863.5	0.0	6863.5
	% Fixture	93.8	0.0	93.8
Total	Lumens	7320.9	0.0	7320.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.4	1.1
10°-20°	304.7	4.2
20°-30°	595.4	8.1
30°-40°	1040.9	14.2
40°-50°	1518.1	20.7
50°-60°	1775.2	24.2
60°-70°	1439.0	19.7
70°-80°	540.6	7.4
80°-90°	24.6	0.3
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°	7320.9	100.0
0°-180°	7320.9	100.0



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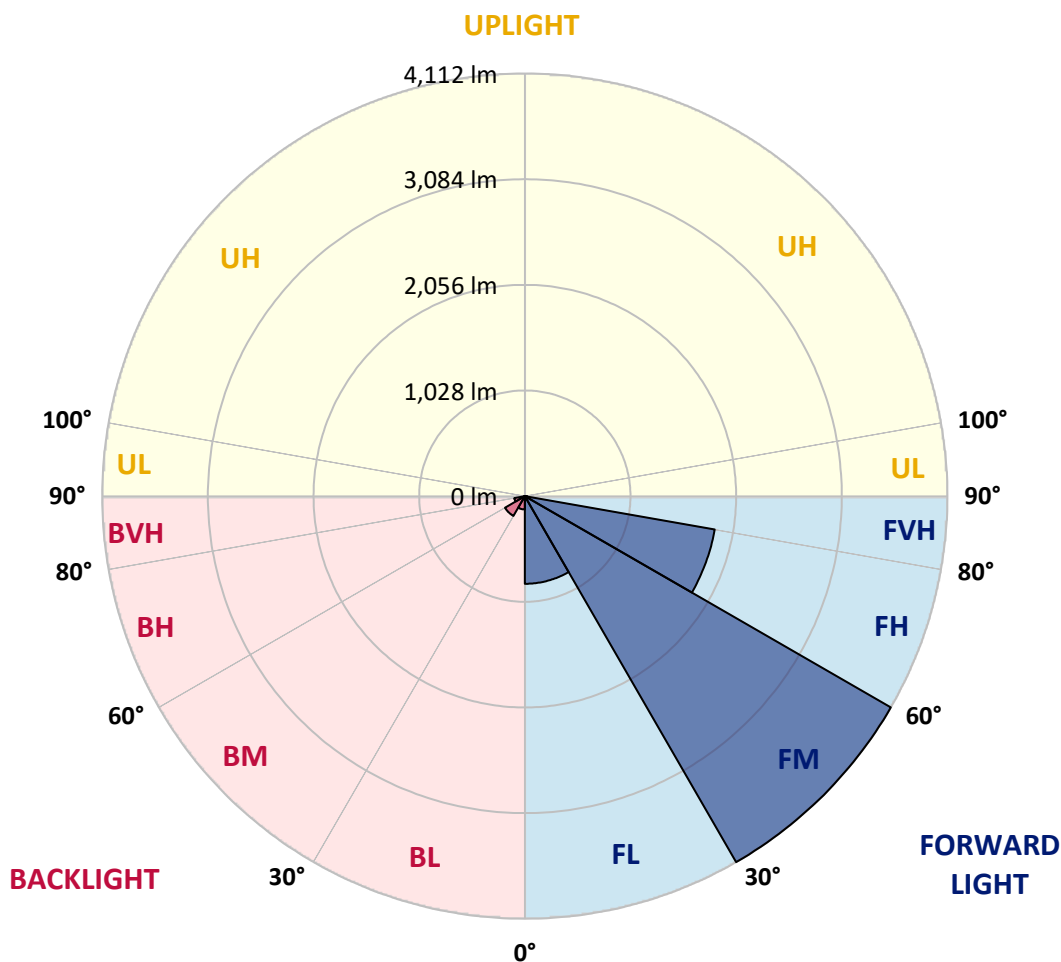
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	852.8	11.6			
FM (30°-60°)	4111.6	56.2			
FH (60°-80°)	1875.9	25.6			G2/5000
FVH (80°-90°)	23.2	0.3			G1/100
BL (0°-30°)	129.7	1.8	B1/500		
BM (30°-60°)	222.6	3.0	B1/1000		
BH (60°-80°)	103.7	1.4	B0/110		G0/110
BVH (80°-90°)	1.4	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	701.2	701.2	701.2	701.2	701.2	701.2	701.2	701.2	701.2	701.2	701.2
2.5°	1052.8	1014.5	1021.7	1005.9	985.4	937.8	887.6	837.4	792.4	782.5	737.6
5°	1348.2	1336.3	1323.8	1313.2	1270.2	1210.8	1120.2	1005.2	901.5	883.6	790.4
7.5°	1577.6	1559.7	1570.9	1538.6	1493.6	1436.1	1321.1	1198.2	1038.3	1011.8	867.1
10°	1746.7	1736.8	1742.1	1726.9	1705.1	1647.6	1533.9	1379.9	1194.9	1144.7	953.0
12.5°	1873.6	1875.6	1898.7	1900.1	1882.2	1835.3	1715.0	1554.4	1337.0	1292.0	1048.2
15°	1966.2	1968.1	1996.6	2027.0	2047.4	2023.0	1913.9	1734.2	1504.2	1442.7	1148.0
17.5°	1981.4	1982.7	2032.9	2094.4	2157.8	2179.0	2095.0	1912.6	1656.9	1586.8	1262.3
20°	1991.3	2002.5	2047.4	2118.2	2218.6	2284.0	2238.4	2083.8	1804.9	1723.6	1374.7
22.5°	2111.6	2111.6	2138.0	2188.2	2268.2	2370.6	2361.4	2241.1	1949.0	1868.3	1486.4
25°	2366.7	2366.7	2340.9	2327.7	2370.6	2451.3	2474.4	2409.0	2113.5	2018.4	1604.0
27.5°	2704.4	2704.4	2664.1	2566.9	2529.9	2563.6	2588.1	2555.0	2265.5	2171.7	1728.2
30°	3054.7	3066.5	2996.5	2872.9	2743.4	2717.6	2693.8	2686.5	2427.5	2321.7	1854.5
32.5°	3406.2	3404.9	3317.7	3163.7	2994.5	2903.3	2826.0	2817.4	2599.3	2495.5	1974.1
35°	3687.1	3687.8	3595.9	3438.0	3242.3	3126.0	3001.8	2961.5	2787.7	2672.0	2116.8
37.5°	3930.3	3916.5	3817.3	3667.3	3484.9	3364.6	3210.0	3104.9	2982.6	2865.0	2259.6
40°	4069.8	4051.3	3954.8	3812.0	3673.9	3582.0	3445.9	3278.0	3196.7	3069.9	2422.2
42.5°	4090.3	4074.4	4010.3	3924.4	3811.4	3730.7	3694.4	3473.7	3421.4	3306.5	2616.5
45°	4032.8	4007.0	3985.9	3940.9	3909.2	3870.2	3919.8	3681.8	3679.2	3564.9	2808.8
47.5°	3890.0	3855.0	3860.3	3909.8	3945.5	3980.6	4135.2	3954.8	3938.9	3831.9	3061.3
50°	3646.2	3629.0	3687.1	3784.9	3926.4	4066.5	4350.0	4233.7	4296.5	4196.0	3409.6
52.5°	3150.5	3171.6	3345.4	3580.7	3825.3	4106.8	4551.6	4650.0	4810.6	4728.0	3759.8
55°	2555.7	2547.7	2779.7	3197.4	3588.0	4081.0	4639.5	4895.2	5147.7	5061.1	3954.8
57.5°	2058.7	2072.6	2229.2	2642.3	3185.5	3882.1	4660.0	5023.5	5283.2	5225.7	4135.2
60°	1545.2	1558.4	1701.1	2060.7	2650.2	3467.0	4490.8	5068.4	5537.6	5494.0	4423.4
62.5°	983.4	1000.6	1144.0	1493.6	2025.6	2822.0	4110.8	5021.5	5803.3	5839.7	4816.6
65°	483.8	499.0	604.7	872.4	1354.2	2110.2	3580.7	4842.4	6141.7	6245.4	5131.8
67.5°	267.7	274.9	311.3	444.1	755.4	1447.4	2877.5	4459.7	6297.0	6435.8	5153.0
70°	208.2	210.2	224.0	259.1	368.1	849.2	2046.8	3822.6	5975.1	6143.0	4724.1
72.5°	175.1	177.8	184.4	196.3	230.0	442.1	1286.1	2954.2	5027.4	5103.4	3654.7
75°	128.2	132.2	150.7	161.3	181.7	268.3	567.0	1775.2	3322.3	3247.6	2044.8
77.5°	107.7	111.0	115.7	130.9	150.0	183.1	198.9	744.2	1352.2	1175.7	536.6
80°	73.4	77.3	89.9	97.8	126.9	120.9	82.6	199.6	271.6	221.4	103.1
82.5°	52.2	55.5	62.1	80.0	91.9	64.1	44.9	60.8	65.4	62.1	33.7
85°	16.5	21.1	44.9	66.1	49.6	21.8	28.4	23.1	20.5	19.8	13.2
87.5°	3.3	3.3	22.5	26.4	19.8	11.2	9.9	7.3	9.3	9.3	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°	701.2	701.2	701.2	701.2	701.2	701.2	701.2	701.2	701.2	701.2	701.2
2.5°	716.4	686.7	643.7	603.4	562.4	533.3	512.9	492.4	484.4	481.1	472.5
5°	748.1	691.3	606.0	537.3	487.1	455.4	436.2	419.7	409.1	405.8	401.2
7.5°	793.7	711.8	589.5	510.2	460.0	425.6	394.6	358.9	330.4	319.2	314.6
10°	843.3	742.8	592.2	504.9	438.2	362.8	293.4	235.9	210.8	201.6	195.0
12.5°	916.0	777.2	603.4	499.0	372.7	259.1	187.7	163.9	158.0	156.6	155.3
15°	988.7	825.5	621.9	459.3	278.2	176.5	156.0	147.4	144.1	140.8	140.8
17.5°	1062.1	871.7	629.2	382.0	192.3	152.7	142.1	134.8	129.5	126.9	124.9
20°	1144.7	920.6	608.0	287.5	154.0	139.4	127.6	119.0	114.3	111.7	109.7
22.5°	1233.9	968.9	561.8	200.3	140.1	125.6	114.3	105.7	101.1	98.5	97.8
25°	1317.8	1010.5	487.7	150.7	126.2	112.4	101.8	94.5	91.2	88.6	87.9
27.5°	1404.4	1046.2	391.2	132.8	115.0	101.8	91.2	85.3	82.0	80.0	79.3
30°	1489.0	1070.6	291.5	121.6	105.1	91.9	82.6	78.0	74.7	72.7	72.0
32.5°	1576.2	1084.5	196.9	111.7	95.2	83.3	75.3	70.7	68.7	66.8	66.8
35°	1660.2	1082.5	142.1	102.4	87.2	75.3	68.1	64.8	64.1	62.1	62.1
37.5°	1752.0	1068.7	120.9	93.8	78.6	68.1	62.1	60.1	59.5	58.2	57.5
40°	1856.5	1037.6	110.4	87.2	71.4	62.1	56.8	55.5	54.9	53.5	53.5
42.5°	1970.8	997.3	104.4	80.0	65.4	56.2	52.2	50.2	49.6	48.2	48.2
45°	2103.6	959.0	100.5	72.7	60.1	51.5	47.6	45.6	44.9	43.6	43.6
47.5°	2284.7	937.1	93.8	66.1	54.2	46.9	43.0	41.6	40.3	39.0	39.0
50°	2533.9	911.4	85.3	59.5	49.6	42.3	39.7	37.7	37.0	35.7	35.7
52.5°	2738.7	856.5	76.7	52.9	44.3	39.0	36.3	35.0	33.7	33.0	33.0
55°	2810.8	792.4	68.1	47.6	40.3	36.3	33.7	32.4	31.7	31.1	31.1
57.5°	2925.8	771.9	60.1	42.3	36.3	33.7	31.1	30.4	29.7	29.1	28.4
60°	3122.1	783.8	52.9	37.7	33.0	30.4	28.4	27.8	26.4	25.1	25.1
62.5°	3312.4	769.3	44.9	33.0	28.4	27.1	25.1	23.8	21.1	19.2	17.8
65°	3358.7	672.1	39.0	27.8	23.8	22.5	20.5	17.8	13.9	11.2	11.2
67.5°	3134.6	510.9	33.7	23.8	19.8	18.5	14.5	11.9	8.6	6.6	6.6
70°	2586.7	323.8	27.8	18.5	16.5	12.6	9.3	8.6	5.9	5.3	4.6
72.5°	1866.4	177.1	23.1	15.2	11.9	7.9	6.6	5.3	4.0	2.6	2.6
75°	945.1	83.3	17.2	11.9	7.9	5.3	4.0	2.6	2.6	2.0	2.0
77.5°	267.7	38.3	11.2	7.9	5.3	3.3	2.6	2.0	2.0	1.3	1.3
80°	52.9	19.2	7.3	5.3	4.0	2.6	2.0	1.3	1.3	0.7	0.7
82.5°	19.2	9.9	5.3	4.0	3.3	2.6	1.3	0.7	0.7	0.0	0.0
85°	9.9	5.3	4.0	3.3	2.6	2.0	1.3	0.7	0.0	0.0	0.0
87.5°	5.3	4.0	3.3	3.3	2.6	2.0	1.3	0.7	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)