

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: P674380

Luminaire Tested: **CCP-SA-2E-722-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674380
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-722-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ AFL distribution lens and House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

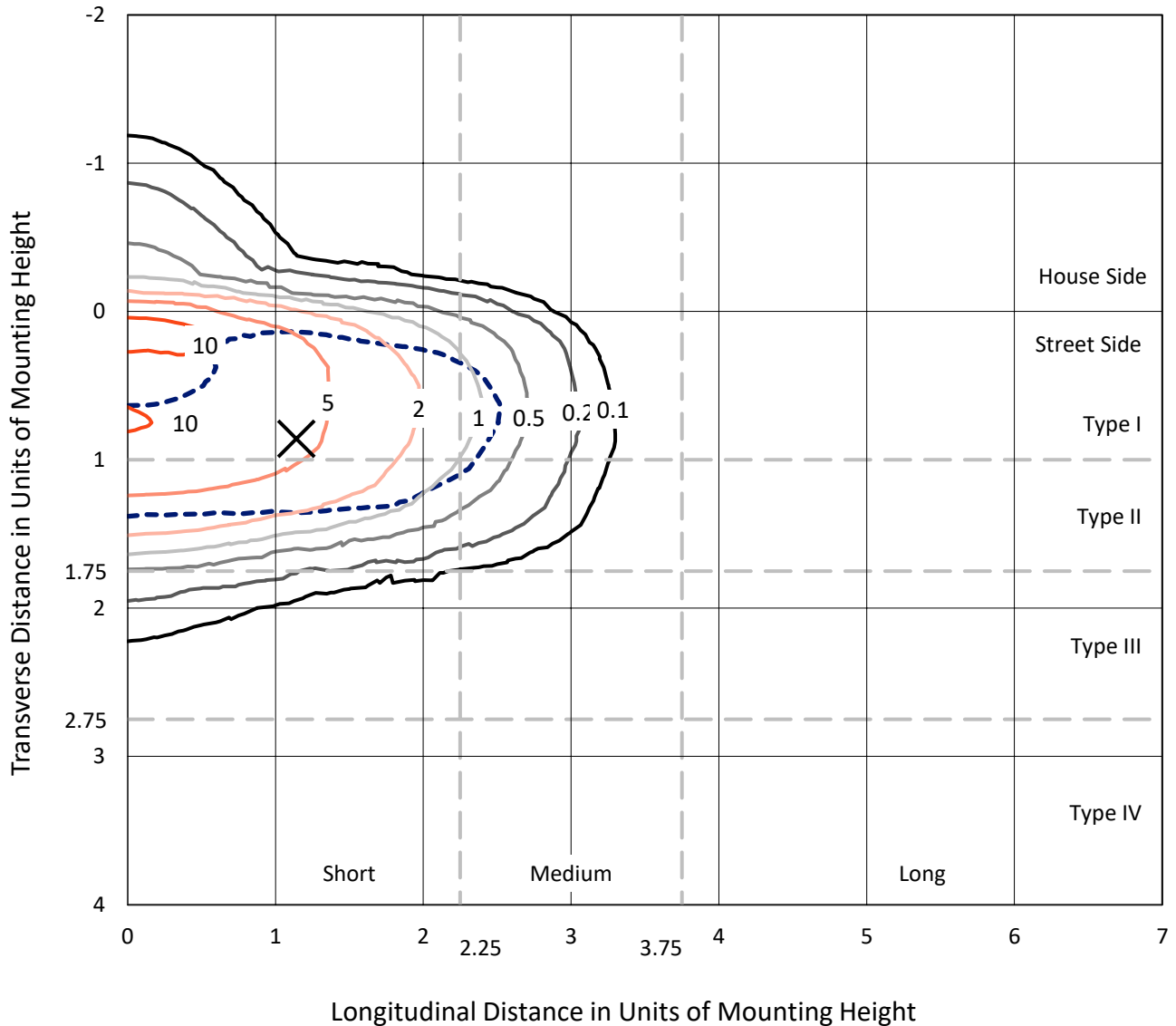
Lumens per Lamp: N/A
Luminaire Lumens: 8351.9 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

REPORT NUMBER: P674380
 CATALOG NUMBER: CCP-SA-2E-722-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

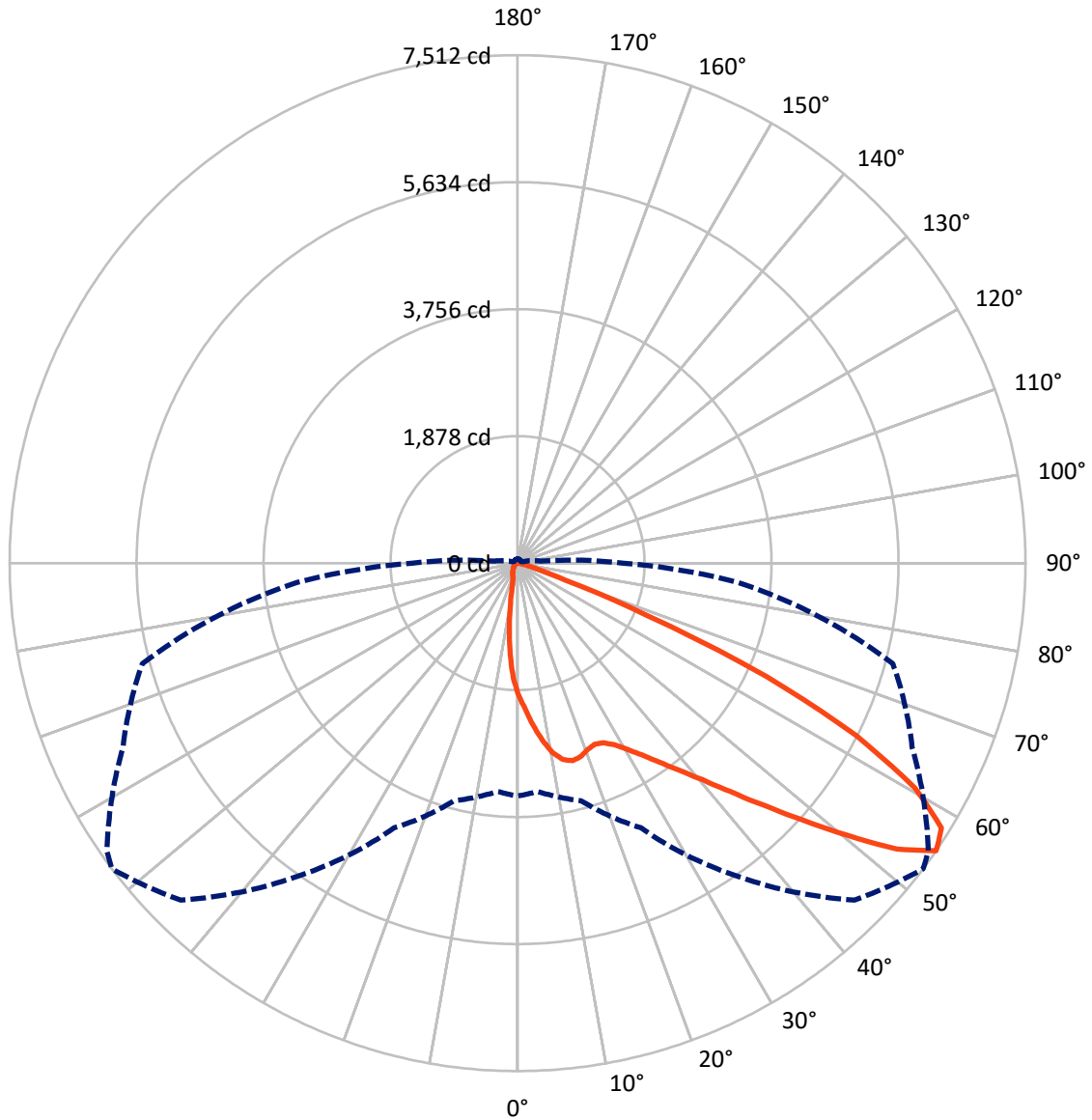
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 12.6 fc
 Type II - Short - N/A

REPORT NUMBER: P674380
CATALOG NUMBER: CCP-SA-2E-722-U-AFL-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P674380

CATALOG NUMBER: CCP-SA-2E-722-U-AFL-HSS

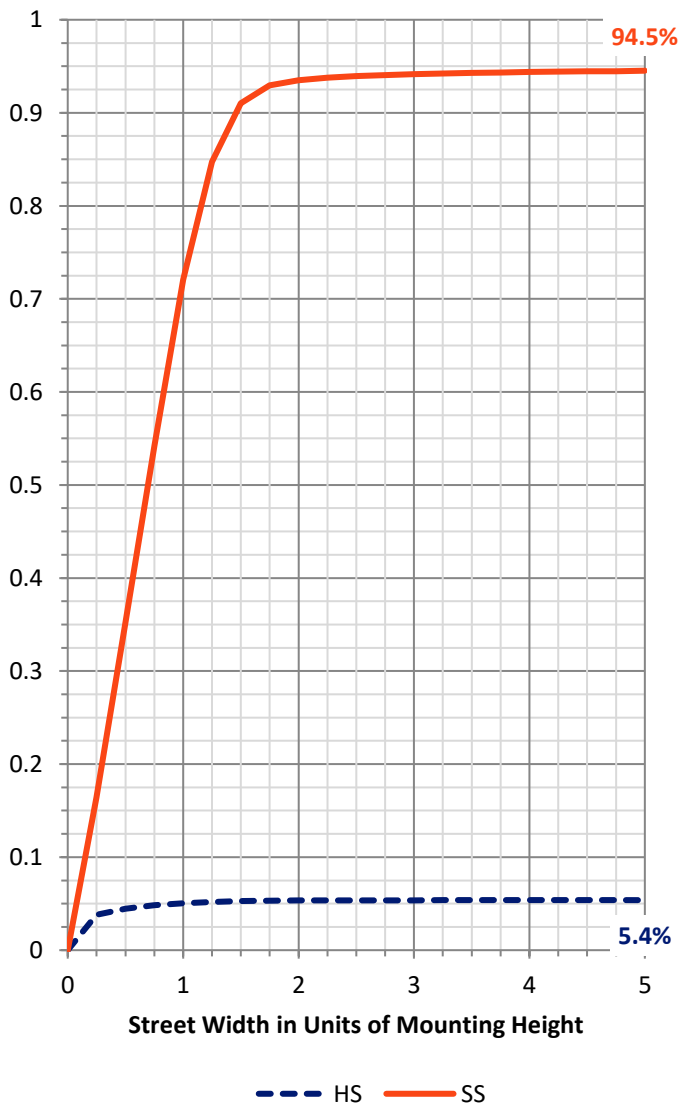
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	451.5	0.0	451.5
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	7900.5	0.0	7900.5
	% Fixture	94.6	0.0	94.6
Total	Lumens	8351.9	0.0	8351.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.8	2.1
10°-20°	456.6	5.5
20°-30°	764.2	9.2
30°-40°	1250.3	15.0
40°-50°	2009.8	24.1
50°-60°	2269.1	27.2
60°-70°	1210.4	14.5
70°-80°	198.9	2.4
80°-90°	17.8	0.2
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°	8351.9	100.0
0°-180°	8351.9	100.0



REPORT NUMBER: P674380

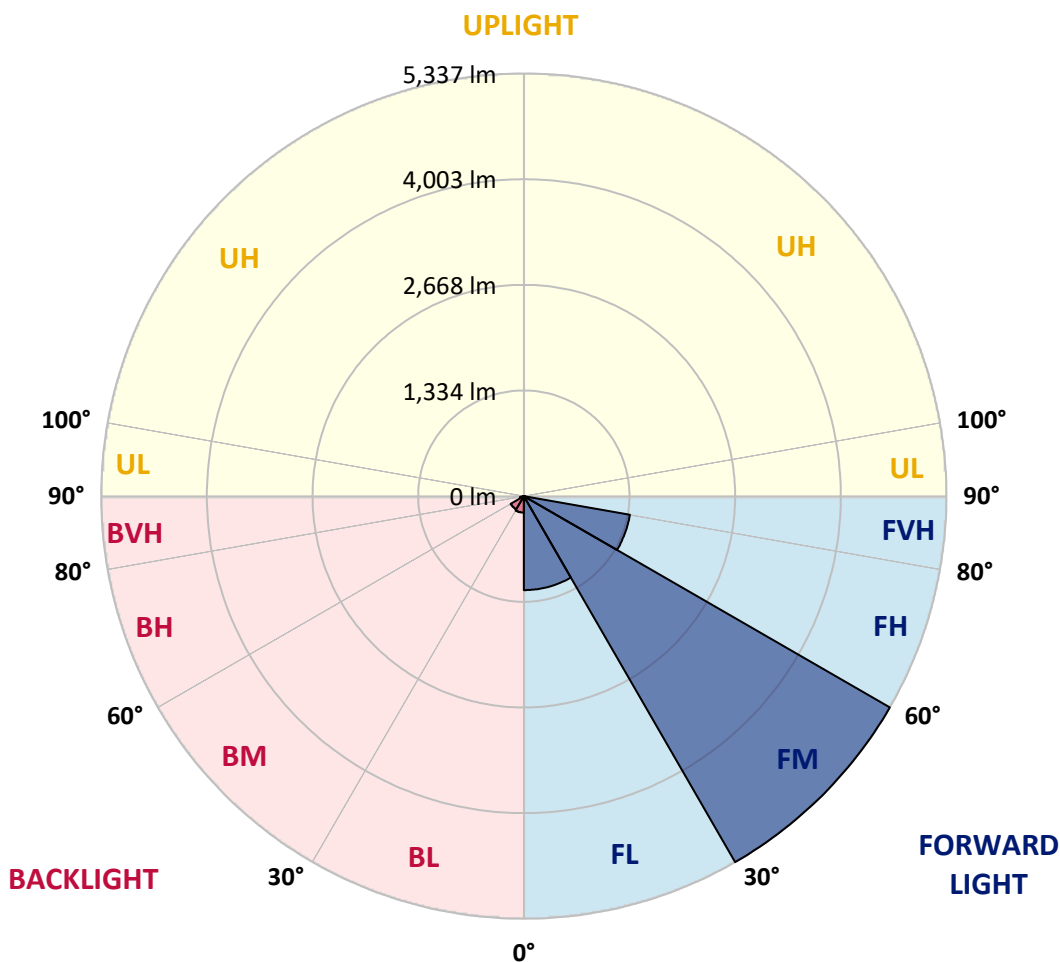
CATALOG NUMBER: CCP-SA-2E-722-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1187.3	14.2			
FM (30°-60°)	5336.9	63.9			
FH (60°-80°)	1359.9	16.3			G1/1800
FVH (80°-90°)	16.3	0.2			G1/100
BL (0°-30°)	208.3	2.5	B1/500		
BM (30°-60°)	192.3	2.3	B0/220		
BH (60°-80°)	49.4	0.6	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-G1

Type II Short





REPORT NUMBER: P674380

CATALOG NUMBER: CCP-SA-2E-722-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1954.5	1954.5	1954.5	1954.5	1954.5	1954.5	1954.5	1954.5	1954.5	1954.5	1954.5
2.5°	2343.8	2329.9	2338.0	2316.8	2278.0	2229.7	2157.2	2160.9	2103.8	2054.1	1985.3
5°	2731.0	2716.3	2711.9	2657.8	2603.6	2516.5	2409.0	2391.4	2286.8	2160.2	2016.0
7.5°	2935.1	2922.7	2932.2	2912.4	2859.0	2780.0	2643.9	2630.7	2469.0	2277.3	2065.0
10°	2841.4	2837.1	2877.3	2924.1	2967.3	2957.8	2848.8	2828.3	2646.8	2406.0	2115.5
12.5°	2589.7	2603.6	2654.8	2741.2	2874.4	2999.5	2981.9	2985.6	2828.3	2545.8	2171.1
15°	2441.9	2458.7	2488.0	2532.6	2696.6	2919.0	3032.4	3069.0	3002.4	2701.7	2237.0
17.5°	2429.5	2443.4	2447.8	2464.6	2560.4	2789.5	3011.9	3081.5	3157.6	2848.8	2310.9
20°	2525.3	2531.2	2527.5	2515.1	2549.5	2719.2	2947.6	3047.1	3285.6	3005.4	2376.0
22.5°	2706.1	2697.3	2686.3	2640.2	2638.0	2739.0	2912.4	3016.3	3361.7	3134.9	2419.2
25°	2930.0	2911.7	2896.3	2831.2	2800.5	2842.2	2943.9	3027.3	3430.5	3260.7	2450.0
27.5°	3174.4	3180.3	3142.2	3054.4	3006.1	2997.3	3041.2	3103.4	3497.1	3373.4	2466.8
30°	3435.6	3438.6	3388.8	3298.1	3254.2	3197.8	3194.9	3232.2	3568.8	3503.0	2482.9
32.5°	3733.5	3741.5	3660.3	3565.9	3489.1	3415.9	3380.0	3411.5	3697.6	3672.0	2515.8
35°	4163.7	4128.6	4018.9	3876.2	3767.1	3671.3	3616.4	3636.9	3868.8	3874.7	2581.7
37.5°	4607.2	4603.5	4482.1	4276.4	4097.9	3978.6	3884.9	3918.6	4109.6	4146.2	2687.0
40°	5020.6	5030.2	4924.8	4745.5	4515.7	4310.8	4210.6	4233.3	4429.4	4475.5	2815.1
42.5°	5290.7	5285.5	5293.6	5242.4	5011.9	4770.4	4619.6	4632.1	4801.1	4825.3	2975.4
45°	5415.1	5395.3	5464.1	5626.5	5535.1	5281.2	5109.2	5093.8	5186.8	5180.2	3121.0
47.5°	5307.5	5270.9	5429.0	5820.5	5997.6	5920.7	5674.8	5647.0	5568.0	5515.3	3272.5
50°	4772.6	4756.5	5094.6	5728.3	6288.1	6512.0	6331.2	6228.1	5908.3	5762.7	3352.2
52.5°	4264.0	4219.4	4447.7	5257.7	6158.5	6987.6	7025.0	6841.3	6190.7	5833.6	3325.1
55°	3444.4	3389.5	3638.3	4319.6	5645.6	7048.4	7512.3	7416.4	6438.1	5745.8	3270.3
57.5°	2092.1	2038.0	2403.9	3093.9	4515.0	6543.5	7392.3	7489.6	6628.3	5649.2	3234.4
60°	879.6	845.2	988.6	1476.7	2883.2	5377.7	6755.7	6998.6	6664.2	5516.8	3249.0
62.5°	457.4	442.0	450.0	591.3	1165.7	3541.0	5622.9	6045.9	6302.7	5458.2	3263.7
65°	343.2	331.5	305.9	324.9	453.0	1530.9	4040.8	4607.2	5519.0	5309.7	3164.9
67.5°	281.7	270.8	252.5	246.6	267.1	531.3	2062.8	2799.0	4324.7	4676.7	2810.7
70°	224.7	221.0	215.1	204.2	200.5	257.6	739.8	1140.8	2859.7	3298.1	2037.2
72.5°	187.3	188.1	181.5	172.0	158.8	166.1	294.9	390.0	1383.8	1581.3	853.2
75°	156.6	156.6	158.8	145.6	132.4	114.2	163.9	190.3	444.2	365.2	182.2
77.5°	122.9	124.4	133.9	122.9	106.1	71.7	89.3	101.7	131.7	105.4	66.6
80°	98.1	96.6	92.9	110.5	95.1	50.5	42.4	46.8	61.5	50.5	32.9
82.5°	68.8	68.1	65.1	74.6	73.9	37.3	27.8	28.5	37.3	32.2	20.5
85°	16.8	19.8	41.7	35.1	30.7	22.0	16.8	18.3	24.1	21.2	11.0
87.5°	7.3	7.3	19.0	22.7	14.6	9.5	7.3	8.0	12.4	12.4	6.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P674380
 CATALOG NUMBER: CCP-SA-2E-722-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1954.5	1954.5	1954.5	1954.5	1954.5	1954.5	1954.5	1954.5	1954.5	1954.5	1954.5
2.5°	1961.1	1913.6	1853.6	1789.9	1724.8	1646.5	1596.7	1555.7	1523.5	1498.7	1489.9
5°	1968.5	1877.0	1740.9	1571.8	1399.9	1238.9	1114.5	1022.3	946.2	904.5	886.2
7.5°	1967.7	1846.2	1600.4	1317.2	1037.6	805.7	641.0	539.3	471.3	443.5	426.6
10°	1967.0	1806.0	1440.1	1034.7	693.7	466.9	343.9	286.9	262.0	252.5	251.0
12.5°	1988.2	1759.9	1260.8	761.8	435.4	290.5	239.3	226.1	220.3	217.3	216.6
15°	1999.9	1717.5	1072.0	537.8	293.4	229.8	213.7	207.8	205.6	204.2	203.4
17.5°	2012.4	1651.6	892.8	389.3	234.9	208.6	199.0	195.4	193.9	193.9	193.9
20°	2014.6	1580.6	714.9	286.9	208.6	194.6	185.1	181.5	179.3	177.8	177.8
22.5°	1998.5	1496.5	562.0	232.7	193.2	181.5	171.2	165.4	161.7	161.0	161.0
25°	1958.2	1377.2	431.0	204.2	180.7	168.3	155.9	149.3	146.4	146.4	146.4
27.5°	1900.4	1236.7	333.0	181.5	164.6	152.2	141.2	135.4	134.6	133.9	134.6
30°	1834.5	1101.3	254.7	161.0	145.6	135.4	126.6	123.7	125.1	125.1	125.9
32.5°	1768.7	965.9	199.0	144.9	128.8	120.0	115.6	115.6	117.8	117.8	117.8
35°	1712.3	833.5	166.8	131.7	117.1	109.8	107.6	109.8	111.2	112.0	112.0
37.5°	1680.9	719.3	147.1	120.0	107.6	101.7	101.0	103.2	106.1	108.3	109.0
40°	1669.2	631.5	135.4	111.2	98.8	95.1	94.4	97.3	102.4	106.1	106.8
42.5°	1669.9	553.9	125.1	102.4	92.9	87.8	87.8	92.2	97.3	101.0	101.0
45°	1675.0	487.4	114.9	93.7	87.8	79.0	79.8	85.6	89.3	92.9	92.9
47.5°	1679.4	433.9	103.9	84.2	76.1	71.7	73.2	77.6	82.7	88.5	88.5
50°	1653.8	395.9	92.9	73.9	66.6	65.1	68.1	71.7	79.0	84.9	85.6
52.5°	1592.3	361.5	83.4	65.9	60.0	60.7	64.4	66.6	72.4	73.2	73.9
55°	1565.2	343.9	76.1	60.0	54.9	57.1	59.3	60.0	58.5	54.9	54.9
57.5°	1559.4	332.2	68.8	54.2	50.5	53.4	52.7	48.3	43.9	39.5	38.8
60°	1565.2	316.1	62.9	46.8	46.1	46.8	44.6	36.6	30.7	27.8	26.3
62.5°	1531.6	292.7	57.8	40.2	40.2	39.5	33.7	24.9	19.8	17.6	16.8
65°	1420.4	246.6	52.7	33.7	32.9	31.5	22.7	16.8	13.2	11.0	10.2
67.5°	1201.6	191.0	47.6	27.8	26.3	22.0	14.6	11.0	7.3	6.6	5.9
70°	819.6	118.5	40.2	22.0	19.8	13.9	8.8	6.6	4.4	3.7	2.9
72.5°	297.1	68.8	33.7	16.8	13.2	8.8	5.1	2.9	2.2	2.2	1.5
75°	70.2	48.3	25.6	12.4	8.8	5.1	2.9	2.2	1.5	1.5	0.7
77.5°	32.2	37.3	16.8	7.3	5.9	3.7	2.2	1.5	0.7	0.7	0.0
80°	18.3	26.3	8.0	5.1	4.4	2.9	1.5	0.7	0.7	0.0	0.0
82.5°	9.5	14.6	5.9	4.4	3.7	2.2	1.5	0.0	0.0	0.0	0.0
85°	6.6	7.3	4.4	3.7	2.9	2.2	1.5	0.0	0.0	0.0	0.0
87.5°	5.1	5.1	4.4	3.7	2.9	2.2	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)