

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: P674577

Luminaire Tested: **CCP-SA-2C-750-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674577
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-750-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T2R distribution lens and House Side Shield
Light Source: (32) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7488.6 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

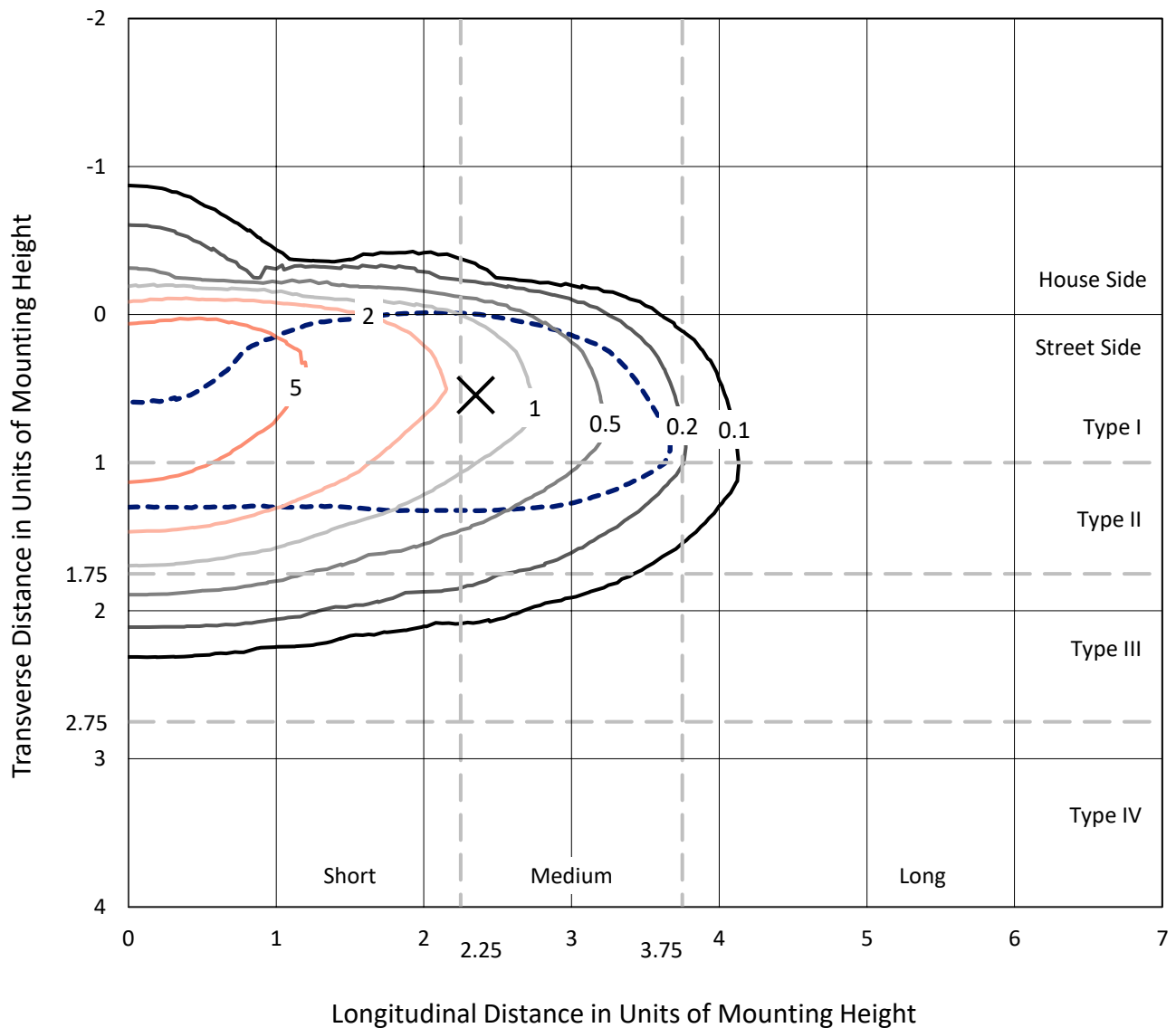
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

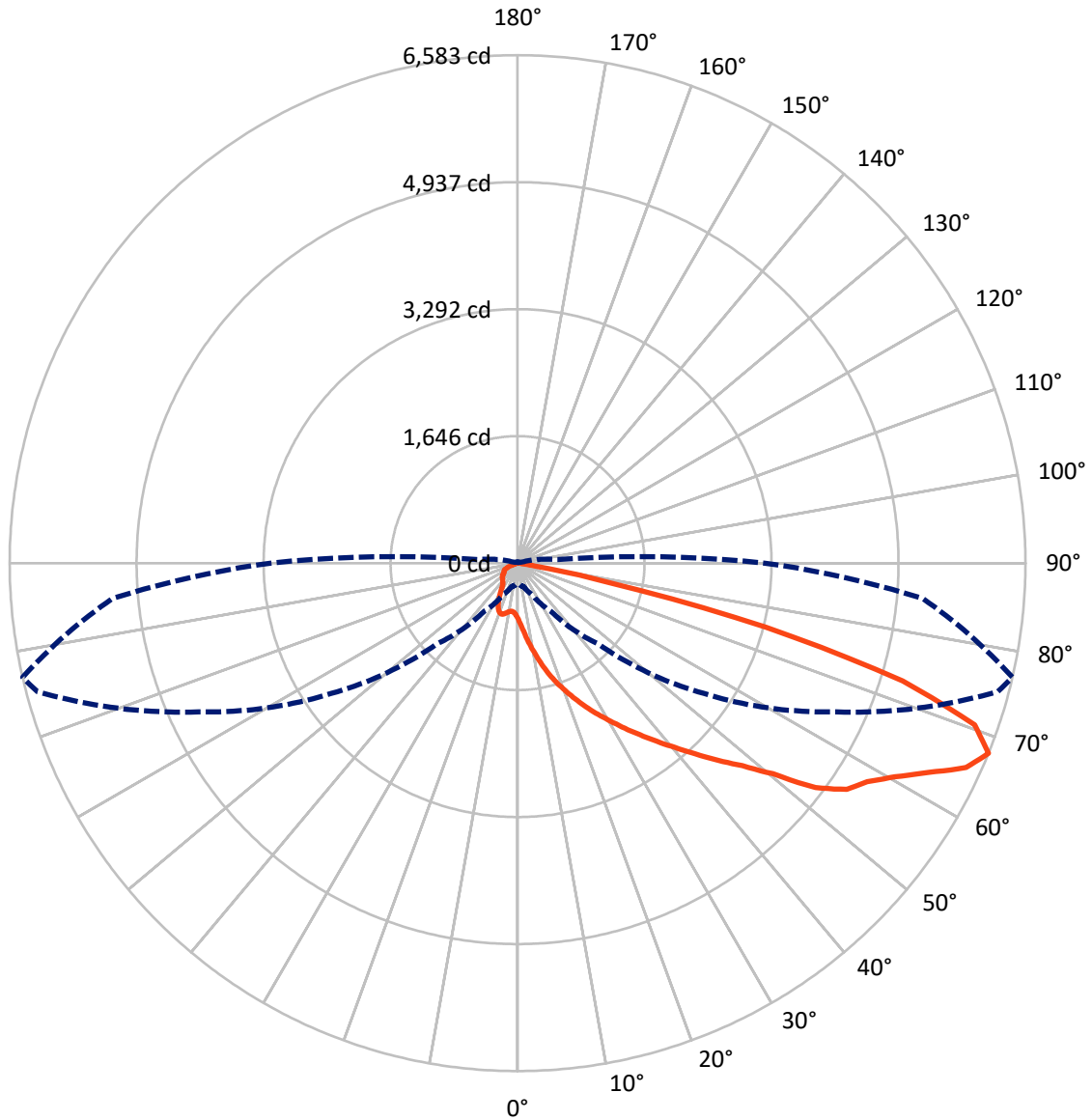
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.3 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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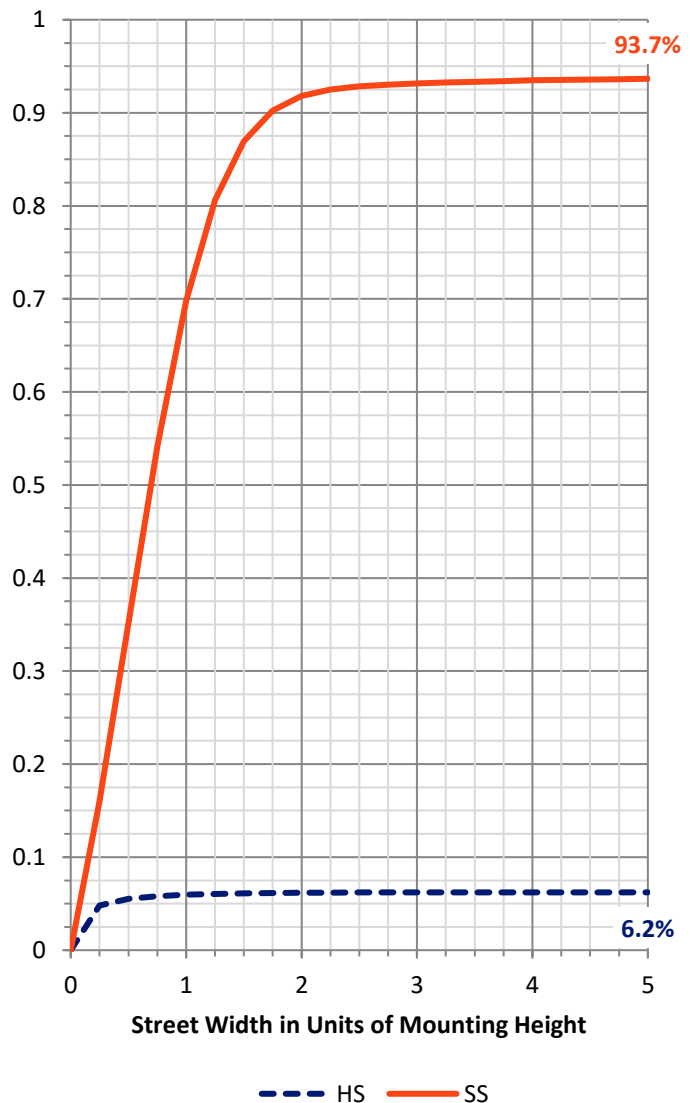
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	468.0	0.0	468.0
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	7020.6	0.0	7020.6
	% Fixture	93.8	0.0	93.8
Total	Lumens	7488.6	0.0	7488.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	1.1
10°-20°	311.7	4.2
20°-30°	609.0	8.1
30°-40°	1064.8	14.2
40°-50°	1552.9	20.7
50°-60°	1815.8	24.2
60°-70°	1472.0	19.7
70°-80°	553.0	7.4
80°-90°	25.1	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°	7488.6	100.0
0°-180°	7488.6	100.0



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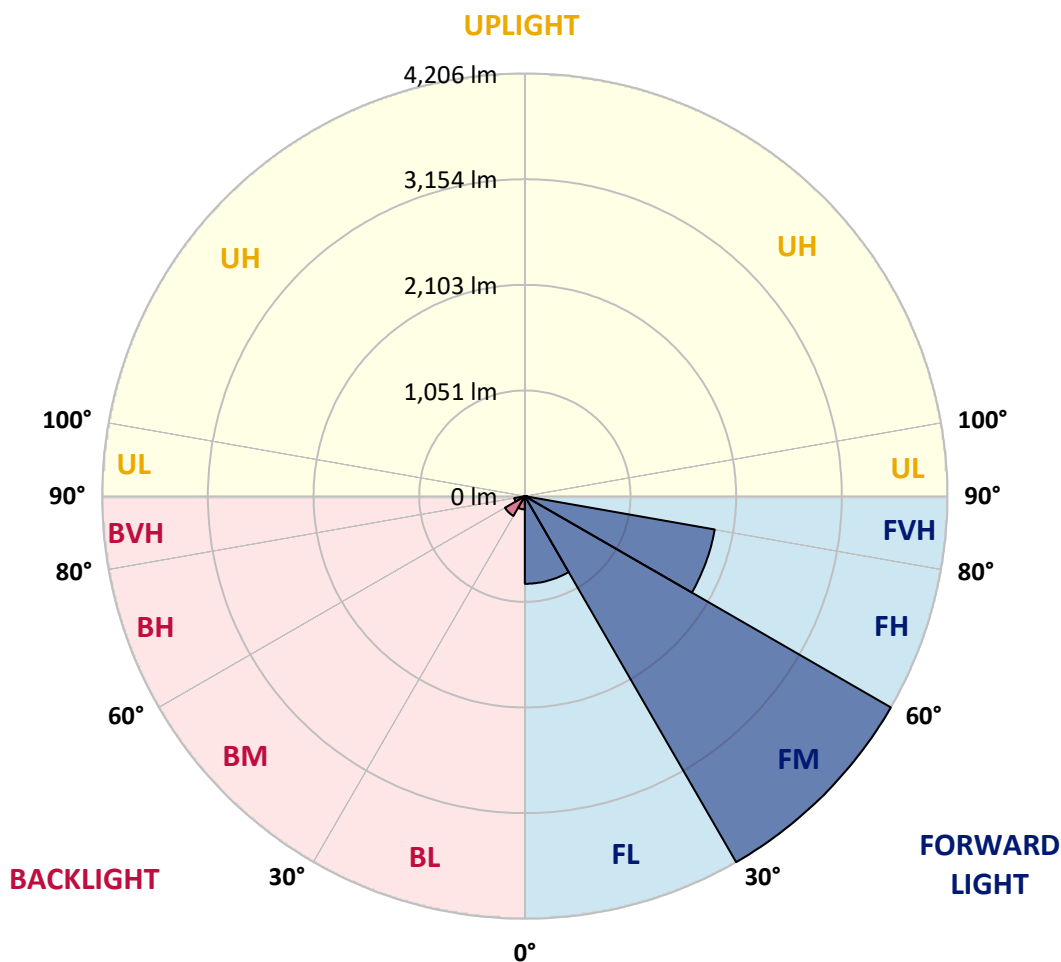
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	872.3	11.6			
FM (30°-60°)	4205.8	56.2			
FH (60°-80°)	1918.8	25.6			G2/5000
FVH (80°-90°)	23.7	0.3			G1/100
BL (0°-30°)	132.7	1.8	B1/500		
BM (30°-60°)	227.7	3.0	B1/1000		
BH (60°-80°)	106.1	1.4	B0/110		G0/110
BVH (80°-90°)	1.5	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°	717.3	717.3	717.3	717.3	717.3	717.3	717.3	717.3	717.3	717.3	717.3
2.5°	1076.9	1037.7	1045.1	1028.9	1008.0	959.3	907.9	856.5	810.6	800.4	754.4
5°	1379.1	1366.9	1354.1	1343.3	1299.3	1238.5	1145.9	1028.2	922.1	903.9	808.5
7.5°	1613.7	1595.4	1606.9	1573.8	1527.8	1469.0	1351.4	1225.6	1062.0	1035.0	886.9
10°	1786.7	1776.6	1782.0	1766.5	1744.2	1685.3	1569.1	1411.5	1222.3	1170.9	974.8
12.5°	1916.5	1918.6	1942.2	1943.6	1925.3	1877.3	1754.3	1590.0	1367.6	1321.6	1072.2
15°	2011.2	2013.2	2042.3	2073.4	2094.3	2069.3	1957.8	1773.9	1538.6	1475.8	1174.3
17.5°	2026.7	2028.1	2079.5	2142.3	2207.2	2228.9	2143.0	1956.4	1694.8	1623.1	1291.2
20°	2036.9	2048.4	2094.3	2166.7	2269.4	2336.4	2289.7	2131.5	1846.2	1763.1	1406.1
22.5°	2159.9	2159.9	2187.0	2238.3	2320.1	2424.9	2415.4	2292.4	1993.6	1911.1	1520.4
25°	2420.9	2420.9	2394.5	2381.0	2424.9	2507.4	2531.1	2464.1	2161.9	2064.6	1640.7
27.5°	2766.3	2766.3	2725.1	2625.7	2587.8	2622.3	2647.3	2613.5	2317.4	2221.4	1767.8
30°	3124.6	3136.8	3065.1	2938.7	2806.2	2779.8	2755.5	2748.1	2483.1	2374.9	1896.9
32.5°	3484.3	3482.9	3393.7	3236.1	3063.1	2969.8	2890.7	2881.9	2658.8	2552.7	2019.3
35°	3771.6	3772.2	3678.3	3516.7	3316.6	3197.6	3070.5	3029.3	2851.5	2733.2	2165.3
37.5°	4020.3	4006.1	3904.7	3751.3	3564.7	3441.7	3283.5	3176.0	3050.9	2930.6	2311.3
40°	4163.0	4144.1	4045.4	3899.3	3758.0	3664.1	3524.8	3353.1	3269.9	3140.2	2477.6
42.5°	4183.9	4167.7	4102.1	4014.3	3898.7	3816.2	3779.0	3553.2	3499.8	3382.2	2676.4
45°	4125.1	4098.8	4077.1	4031.2	3998.7	3958.8	4009.5	3766.2	3763.5	3646.5	2873.1
47.5°	3979.1	3943.3	3948.7	3999.4	4035.9	4071.7	4229.9	4045.4	4029.1	3919.6	3131.4
50°	3729.6	3712.1	3771.6	3871.6	4016.3	4159.6	4449.6	4330.6	4394.9	4292.1	3487.6
52.5°	3222.6	3244.3	3422.1	3662.7	3912.9	4200.8	4655.8	4756.5	4920.8	4836.3	3845.9
55°	2614.2	2606.1	2843.4	3270.6	3670.2	4174.5	4745.7	5007.3	5265.6	5177.0	4045.4
57.5°	2105.8	2120.0	2280.2	2702.8	3258.5	3971.0	4766.7	5138.5	5404.2	5345.4	4229.9
60°	1580.6	1594.1	1740.1	2107.9	2710.9	3546.4	4593.6	5184.5	5664.4	5619.8	4524.7
62.5°	1005.9	1023.5	1170.2	1527.8	2072.0	2886.6	4204.9	5136.5	5936.2	5973.4	4926.9
65°	494.9	510.4	618.6	892.4	1385.2	2158.6	3662.7	4953.3	6282.3	6388.5	5249.4
67.5°	273.8	281.2	318.4	454.3	772.7	1480.5	2943.4	4561.8	6441.2	6583.2	5271.0
70°	212.9	215.0	229.2	265.0	376.5	868.7	2093.7	3910.1	6112.0	6283.7	4832.3
72.5°	179.1	181.9	188.6	200.8	235.3	452.3	1315.6	3021.8	5142.5	5220.3	3738.4
75°	131.1	135.2	154.1	165.0	185.9	274.5	580.0	1815.8	3398.4	3322.0	2091.6
77.5°	110.2	113.6	118.3	133.9	153.5	187.3	203.5	761.2	1383.2	1202.7	548.9
80°	75.0	79.1	91.9	100.1	129.8	123.7	84.5	204.2	277.8	226.5	105.5
82.5°	53.4	56.8	63.5	81.8	94.0	65.6	46.0	62.2	66.9	63.5	34.5
85°	16.9	21.6	46.0	67.6	50.7	22.3	29.1	23.7	21.0	20.3	13.5
87.5°	3.4	3.4	23.0	27.0	20.3	11.5	10.1	7.4	9.5	9.5	7.4
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°	717.3	717.3	717.3	717.3	717.3	717.3	717.3	717.3	717.3	717.3	717.3
2.5°	732.8	702.4	658.5	617.2	575.3	545.6	524.6	503.6	495.5	492.1	483.4
5°	765.3	707.1	619.9	549.6	498.2	465.8	446.2	429.3	418.5	415.1	410.3
7.5°	811.9	728.1	603.0	521.9	470.5	435.4	403.6	367.1	338.0	326.5	321.8
10°	862.6	759.9	605.7	516.5	448.2	371.1	300.2	241.3	215.7	206.2	199.4
12.5°	937.0	795.0	617.2	510.4	381.3	265.0	192.0	167.7	161.6	160.2	158.9
15°	1011.3	844.4	636.1	469.8	284.6	180.5	159.5	150.8	147.4	144.0	144.0
17.5°	1086.4	891.7	643.6	390.7	196.7	156.2	145.3	137.9	132.5	129.8	127.8
20°	1170.9	941.7	621.9	294.1	157.5	142.6	130.5	121.7	117.0	114.2	112.2
22.5°	1262.1	991.1	574.6	204.8	143.3	128.4	117.0	108.2	103.4	100.7	100.1
25°	1348.0	1033.6	498.9	154.1	129.1	114.9	104.1	96.7	93.3	90.6	89.9
27.5°	1436.6	1070.2	400.2	135.9	117.6	104.1	93.3	87.2	83.8	81.8	81.1
30°	1523.1	1095.2	298.1	124.4	107.5	94.0	84.5	79.8	76.4	74.4	73.7
32.5°	1612.3	1109.4	201.5	114.2	97.3	85.2	77.1	72.3	70.3	68.3	68.3
35°	1698.2	1107.3	145.3	104.8	89.2	77.1	69.6	66.3	65.6	63.5	63.5
37.5°	1792.2	1093.1	123.7	96.0	80.4	69.6	63.5	61.5	60.8	59.5	58.8
40°	1899.0	1061.4	112.9	89.2	73.0	63.5	58.1	56.8	56.1	54.8	54.8
42.5°	2015.9	1020.1	106.8	81.8	66.9	57.5	53.4	51.4	50.7	49.4	49.4
45°	2151.8	980.9	102.8	74.4	61.5	52.7	48.7	46.6	46.0	44.6	44.6
47.5°	2337.0	958.6	96.0	67.6	55.4	48.0	43.9	42.6	41.2	39.9	39.9
50°	2591.9	932.2	87.2	60.8	50.7	43.3	40.6	38.5	37.9	36.5	36.5
52.5°	2801.5	876.1	78.4	54.1	45.3	39.9	37.2	35.8	34.5	33.8	33.8
55°	2875.1	810.6	69.6	48.7	41.2	37.2	34.5	33.1	32.4	31.8	31.8
57.5°	2992.8	789.6	61.5	43.3	37.2	34.5	31.8	31.1	30.4	29.7	29.1
60°	3193.6	801.8	54.1	38.5	33.8	31.1	29.1	28.4	27.0	25.7	25.7
62.5°	3388.3	786.9	46.0	33.8	29.1	27.7	25.7	24.3	21.6	19.6	18.3
65°	3435.6	687.5	39.9	28.4	24.3	23.0	21.0	18.3	14.2	11.5	11.5
67.5°	3206.4	522.6	34.5	24.3	20.3	18.9	14.9	12.2	8.8	6.8	6.8
70°	2646.0	331.3	28.4	18.9	16.9	12.8	9.5	8.8	6.1	5.4	4.7
72.5°	1909.1	181.2	23.7	15.5	12.2	8.1	6.8	5.4	4.1	2.7	2.7
75°	966.7	85.2	17.6	12.2	8.1	5.4	4.1	2.7	2.7	2.0	2.0
77.5°	273.8	39.2	11.5	8.1	5.4	3.4	2.7	2.0	2.0	1.4	1.4
80°	54.1	19.6	7.4	5.4	4.1	2.7	2.0	1.4	1.4	0.7	0.7
82.5°	19.6	10.1	5.4	4.1	3.4	2.7	1.4	0.7	0.7	0.0	0.0
85°	10.1	5.4	4.1	3.4	2.7	2.0	1.4	0.7	0.0	0.0	0.0
87.5°	5.4	4.1	3.4	3.4	2.7	2.0	1.4	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)