

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: P674601

Luminaire Tested: **CCP-SA-2E-827-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674601
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-827-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T2R distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

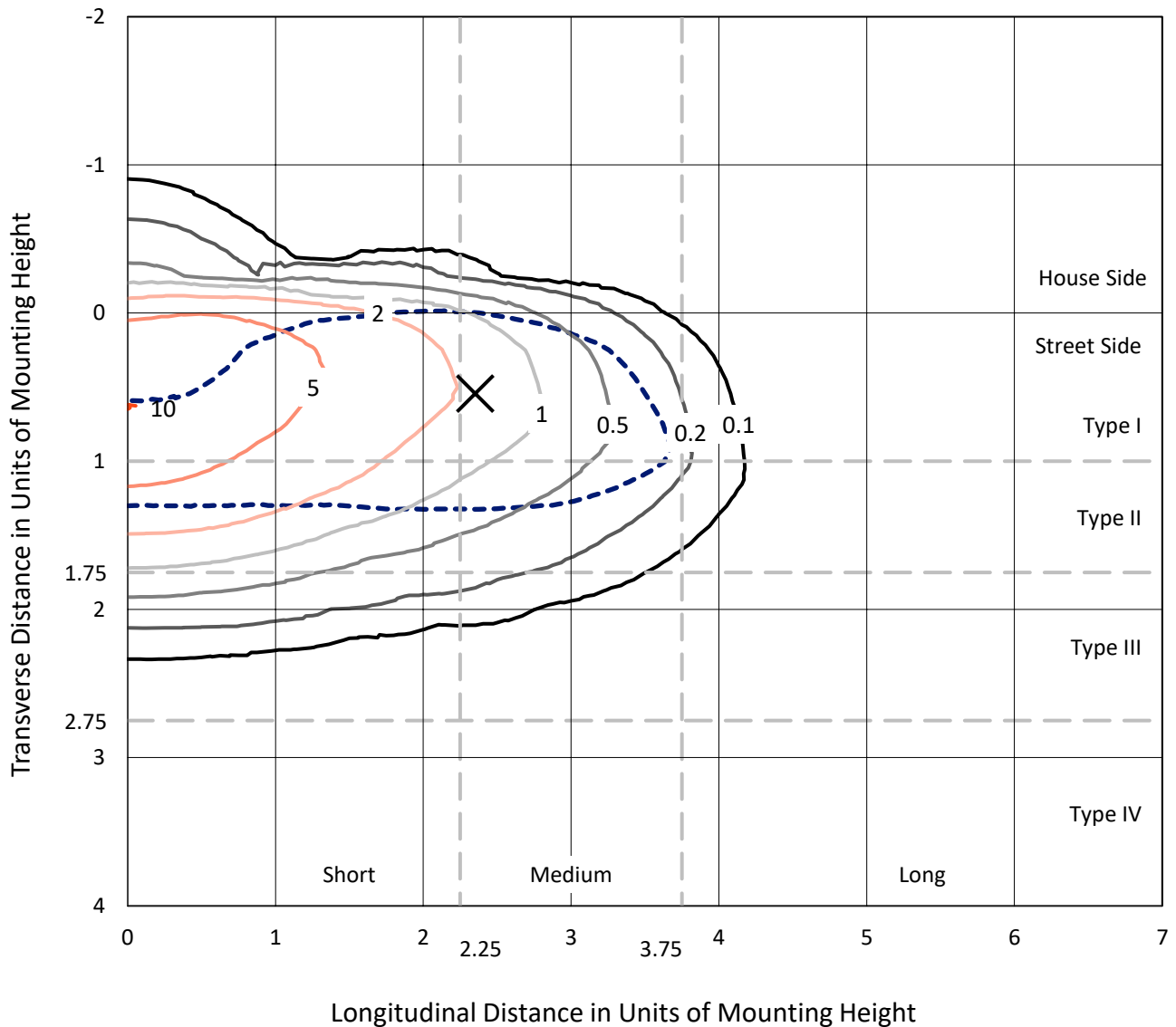
Lumens per Lamp: N/A
Luminaire Lumens: 8138.4 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 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: P674601
 CATALOG NUMBER: CCP-SA-2E-827-U-T2R-HSS

Iso-Footcandle Lines of Horizontal Illumination

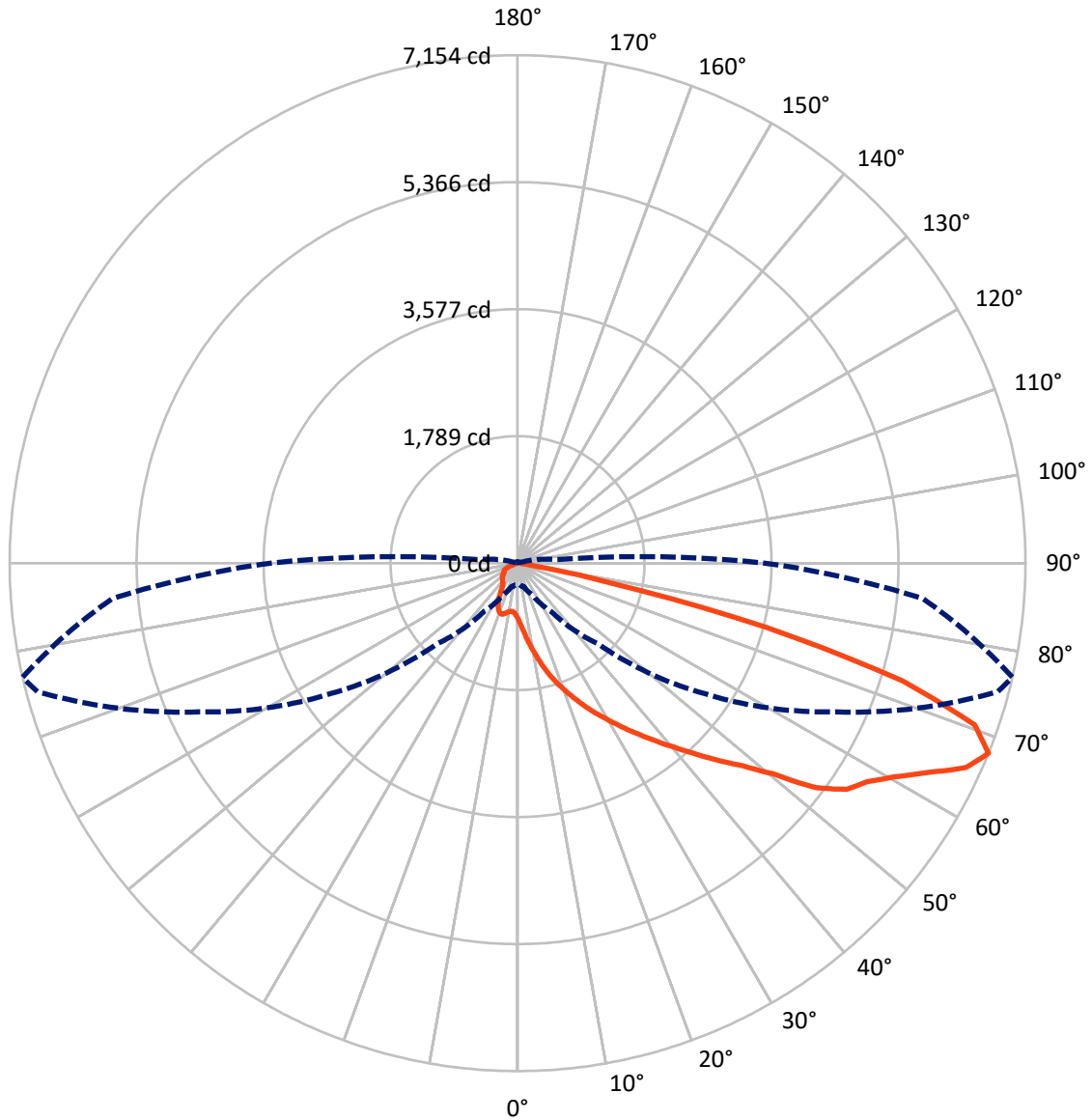
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.1 fc
 Type II - Medium - N/A

REPORT NUMBER: P674601
CATALOG NUMBER: CCP-SA-2E-827-U-T2R-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P674601

CATALOG NUMBER: CCP-SA-2E-827-U-T2R-HSS

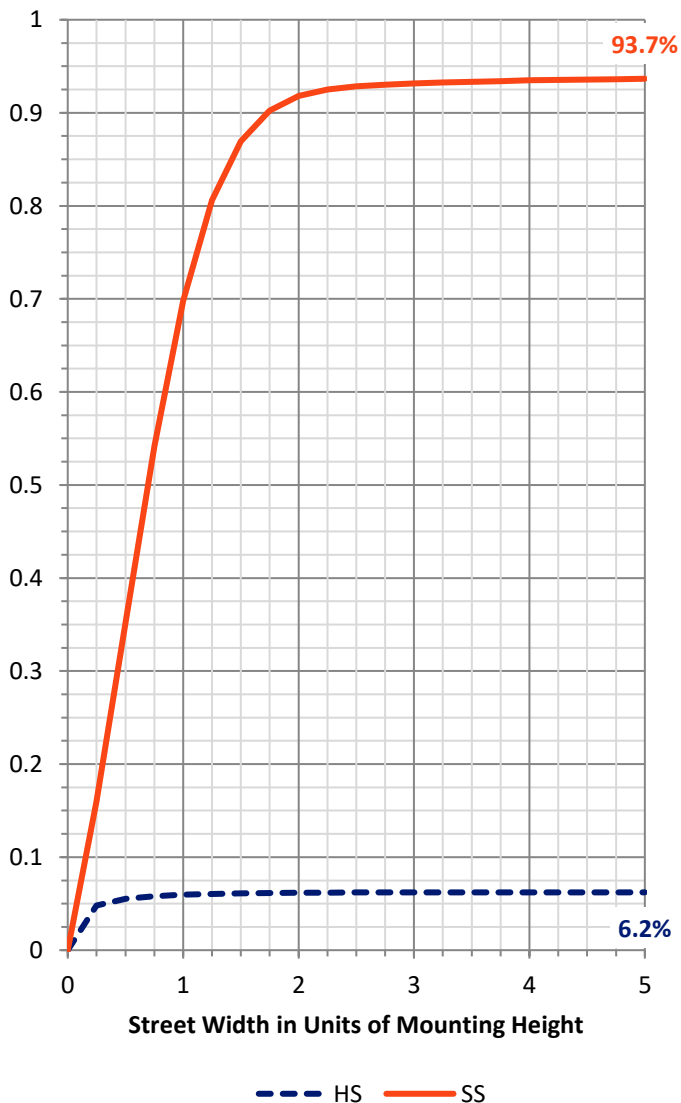
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	508.6	0.0	508.6
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	7629.8	0.0	7629.8
	% Fixture	93.8	0.0	93.8
Total	Lumens	8138.4	0.0	8138.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	1.1
10°-20°	338.8	4.2
20°-30°	661.9	8.1
30°-40°	1157.2	14.2
40°-50°	1687.6	20.7
50°-60°	1973.4	24.2
60°-70°	1599.7	19.7
70°-80°	601.0	7.4
80°-90°	27.3	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°	8138.4	100.0
0°-180°	8138.4	100.0

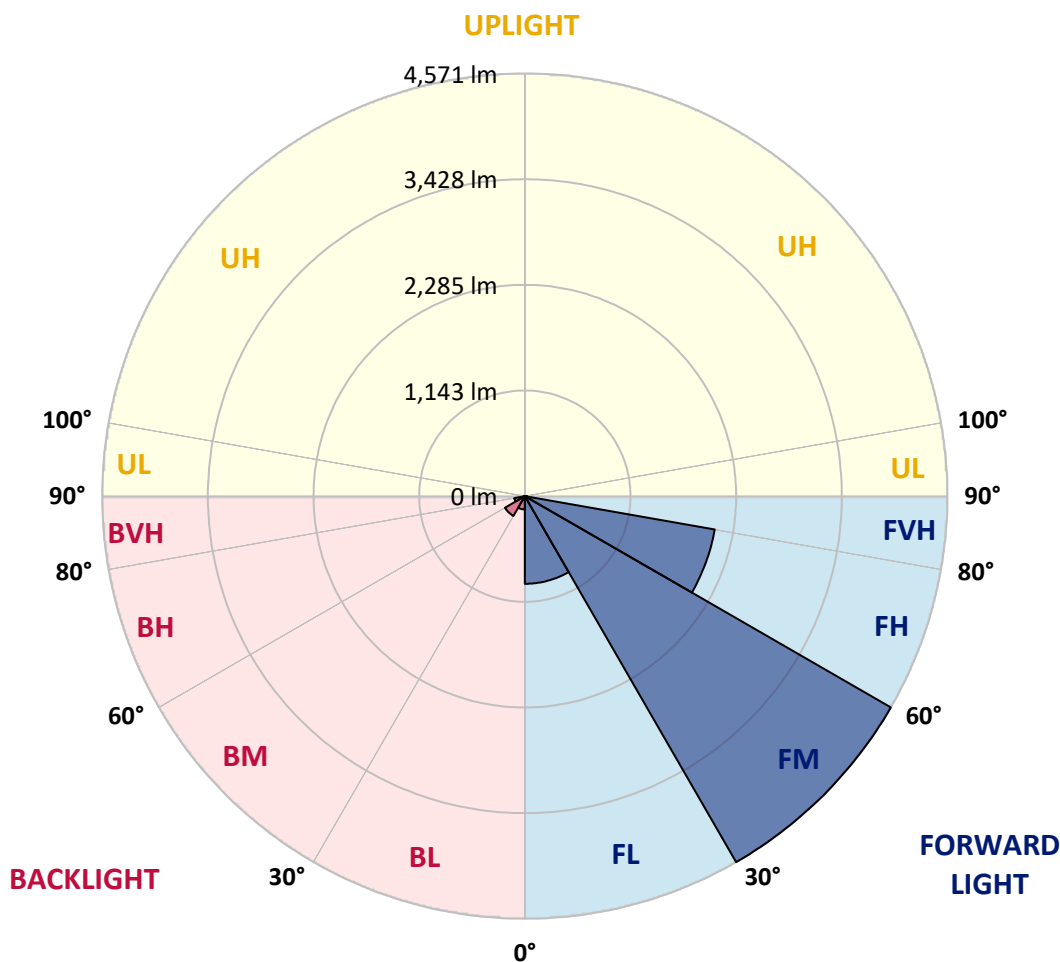


REPORT NUMBER: P674601
 CATALOG NUMBER: CCP-SA-2E-827-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	948.0	11.6			
FM (30°-60°)	4570.7	56.2			
FH (60°-80°)	2085.3	25.6			G2/5000
FVH (80°-90°)	25.7	0.3			G1/100
BL (0°-30°)	144.2	1.8	B1/500		
BM (30°-60°)	247.4	3.0	B1/1000		
BH (60°-80°)	115.3	1.4	B1/500		G1/500
BVH (80°-90°)	1.6	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





REPORT NUMBER: P674601
 CATALOG NUMBER: CCP-SA-2E-827-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5
2.5°	1170.4	1127.7	1135.8	1118.2	1095.4	1042.5	986.7	930.8	880.9	869.9	819.9
5°	1498.8	1485.5	1471.6	1459.8	1412.1	1345.9	1245.3	1117.5	1002.1	982.3	878.7
7.5°	1753.7	1733.9	1746.4	1710.4	1660.4	1596.5	1468.6	1332.0	1154.2	1124.8	963.9
10°	1941.8	1930.8	1936.6	1919.7	1895.5	1831.6	1705.2	1534.0	1328.3	1272.5	1059.4
12.5°	2082.8	2085.0	2110.8	2112.2	2092.4	2040.2	1906.5	1728.0	1486.3	1436.3	1165.2
15°	2185.7	2187.9	2219.5	2253.3	2276.1	2248.9	2127.7	1927.8	1672.1	1603.8	1276.2
17.5°	2202.6	2204.1	2259.9	2328.2	2398.8	2422.3	2329.0	2126.2	1841.9	1764.0	1403.3
20°	2213.6	2226.1	2276.1	2354.7	2466.3	2539.1	2488.4	2316.5	2006.4	1916.1	1528.1
22.5°	2347.3	2347.3	2376.7	2432.5	2521.4	2635.3	2625.0	2491.3	2166.6	2077.0	1652.3
25°	2630.9	2630.9	2602.3	2587.6	2635.3	2725.0	2750.7	2677.9	2349.5	2243.7	1783.1
27.5°	3006.3	3006.3	2961.5	2853.5	2812.4	2849.9	2877.0	2840.3	2518.5	2414.2	1921.2
30°	3395.7	3408.9	3331.1	3193.7	3049.7	3021.0	2994.6	2986.5	2698.5	2581.0	2061.5
32.5°	3786.6	3785.1	3688.1	3516.9	3328.9	3227.5	3141.5	3132.0	2889.5	2774.2	2194.5
35°	4098.8	4099.6	3997.4	3821.8	3604.4	3475.1	3336.9	3292.1	3098.9	2970.3	2353.2
37.5°	4369.2	4353.8	4243.6	4076.8	3874.0	3740.3	3568.4	3451.6	3315.6	3184.9	2511.9
40°	4524.2	4503.6	4396.4	4237.7	4084.1	3982.0	3830.7	3644.0	3553.7	3412.6	2692.6
42.5°	4547.0	4529.3	4458.1	4362.6	4236.9	4147.3	4106.9	3861.5	3803.5	3675.6	2908.6
45°	4483.1	4454.4	4430.9	4380.9	4345.7	4302.3	4357.4	4092.9	4090.0	3962.9	3122.4
47.5°	4324.4	4285.4	4291.3	4346.4	4386.1	4425.0	4596.9	4396.4	4378.7	4259.7	3403.1
50°	4053.3	4034.2	4098.8	4207.6	4364.8	4520.5	4835.7	4706.4	4776.2	4664.5	3790.3
52.5°	3502.3	3525.8	3719.0	3980.5	4252.4	4565.3	5059.8	5169.3	5347.8	5256.0	4179.6
55°	2841.0	2832.2	3090.1	3554.4	3988.6	4536.7	5157.5	5441.8	5722.5	5626.2	4396.4
57.5°	2288.5	2304.0	2478.1	2937.3	3541.2	4315.6	5180.3	5584.4	5873.1	5809.2	4596.9
60°	1717.7	1732.4	1891.1	2290.8	2946.1	3854.2	4992.2	5634.3	6155.9	6107.5	4917.3
62.5°	1093.2	1112.3	1271.7	1660.4	2251.8	3137.1	4569.8	5582.2	6451.3	6491.7	5354.4
65°	537.8	554.7	672.2	969.8	1505.4	2345.9	3980.5	5383.1	6827.4	6942.8	5704.8
67.5°	297.5	305.6	346.0	493.7	839.7	1609.0	3198.8	4957.7	7000.1	7154.4	5728.4
70°	231.4	233.6	249.1	288.0	409.2	944.1	2275.3	4249.4	6642.3	6828.9	5251.5
72.5°	194.7	197.6	205.0	218.2	255.7	491.5	1429.7	3284.1	5588.8	5673.3	4062.8
75°	142.5	146.9	167.5	179.3	202.0	298.3	630.4	1973.4	3693.3	3610.3	2273.1
77.5°	119.8	123.4	128.6	145.5	166.8	203.5	221.1	827.3	1503.2	1307.0	596.6
80°	81.6	86.0	99.9	108.7	141.1	134.4	91.8	221.9	302.0	246.1	114.6
82.5°	58.0	61.7	69.1	88.9	102.1	71.3	50.0	67.6	72.7	69.1	37.5
85°	18.4	23.5	50.0	73.5	55.1	24.2	31.6	25.7	22.8	22.0	14.7
87.5°	3.7	3.7	25.0	29.4	22.0	12.5	11.0	8.1	10.3	10.3	8.1
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: P674601
 CATALOG NUMBER: CCP-SA-2E-827-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5	779.5
2.5°	796.4	763.3	715.6	670.8	625.2	592.9	570.1	547.3	538.5	534.9	525.3
5°	831.7	768.5	673.7	597.3	541.5	506.2	484.9	466.5	454.8	451.1	446.0
7.5°	882.4	791.3	655.3	567.2	511.3	473.1	438.6	398.9	367.3	354.9	349.7
10°	937.5	825.8	658.3	561.3	487.1	403.3	326.2	262.3	234.4	224.1	216.7
12.5°	1018.3	864.0	670.8	554.7	414.4	288.0	208.7	182.2	175.6	174.1	172.7
15°	1099.1	917.6	691.3	510.6	309.3	196.2	173.4	163.8	160.2	156.5	156.5
17.5°	1180.6	969.1	699.4	424.6	213.8	169.7	158.0	149.9	144.0	141.1	138.9
20°	1272.5	1023.4	675.9	319.6	171.2	155.0	141.8	132.2	127.1	124.2	122.0
22.5°	1371.7	1077.1	624.5	222.6	155.8	139.6	127.1	117.5	112.4	109.5	108.7
25°	1465.0	1123.3	542.2	167.5	140.3	124.9	113.1	105.1	101.4	98.4	97.7
27.5°	1561.2	1163.0	434.9	147.7	127.8	113.1	101.4	94.8	91.1	88.9	88.2
30°	1655.2	1190.2	324.0	135.2	116.8	102.1	91.8	86.7	83.0	80.8	80.1
32.5°	1752.2	1205.6	218.9	124.2	105.8	92.6	83.8	78.6	76.4	74.2	74.2
35°	1845.5	1203.4	158.0	113.9	97.0	83.8	75.7	72.0	71.3	69.1	69.1
37.5°	1947.7	1188.0	134.4	104.3	87.4	75.7	69.1	66.9	66.1	64.7	63.9
40°	2063.7	1153.5	122.7	97.0	79.3	69.1	63.2	61.7	61.0	59.5	59.5
42.5°	2190.8	1108.6	116.1	88.9	72.7	62.4	58.0	55.8	55.1	53.6	53.6
45°	2338.5	1066.0	111.7	80.8	66.9	57.3	52.9	50.7	50.0	48.5	48.5
47.5°	2539.8	1041.8	104.3	73.5	60.2	52.2	47.8	46.3	44.8	43.3	43.3
50°	2816.8	1013.1	94.8	66.1	55.1	47.0	44.1	41.9	41.1	39.7	39.7
52.5°	3044.5	952.2	85.2	58.8	49.2	43.3	40.4	38.9	37.5	36.7	36.7
55°	3124.6	880.9	75.7	52.9	44.8	40.4	37.5	36.0	35.3	34.5	34.5
57.5°	3252.5	858.1	66.9	47.0	40.4	37.5	34.5	33.8	33.1	32.3	31.6
60°	3470.7	871.3	58.8	41.9	36.7	33.8	31.6	30.9	29.4	27.9	27.9
62.5°	3682.3	855.2	50.0	36.7	31.6	30.1	27.9	26.4	23.5	21.3	19.8
65°	3733.7	747.2	43.3	30.9	26.4	25.0	22.8	19.8	15.4	12.5	12.5
67.5°	3484.6	567.9	37.5	26.4	22.0	20.6	16.2	13.2	9.6	7.3	7.3
70°	2875.6	360.0	30.9	20.6	18.4	14.0	10.3	9.6	6.6	5.9	5.1
72.5°	2074.8	196.9	25.7	16.9	13.2	8.8	7.3	5.9	4.4	2.9	2.9
75°	1050.6	92.6	19.1	13.2	8.8	5.9	4.4	2.9	2.9	2.2	2.2
77.5°	297.5	42.6	12.5	8.8	5.9	3.7	2.9	2.2	2.2	1.5	1.5
80°	58.8	21.3	8.1	5.9	4.4	2.9	2.2	1.5	1.5	0.7	0.7
82.5°	21.3	11.0	5.9	4.4	3.7	2.9	1.5	0.7	0.7	0.0	0.0
85°	11.0	5.9	4.4	3.7	2.9	2.2	1.5	0.7	0.0	0.0	0.0
87.5°	5.9	4.4	3.7	3.7	2.9	2.2	1.5	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)