

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: P674534

Luminaire Tested: **CCP-SA-2D-727-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674534
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-727-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T2R distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

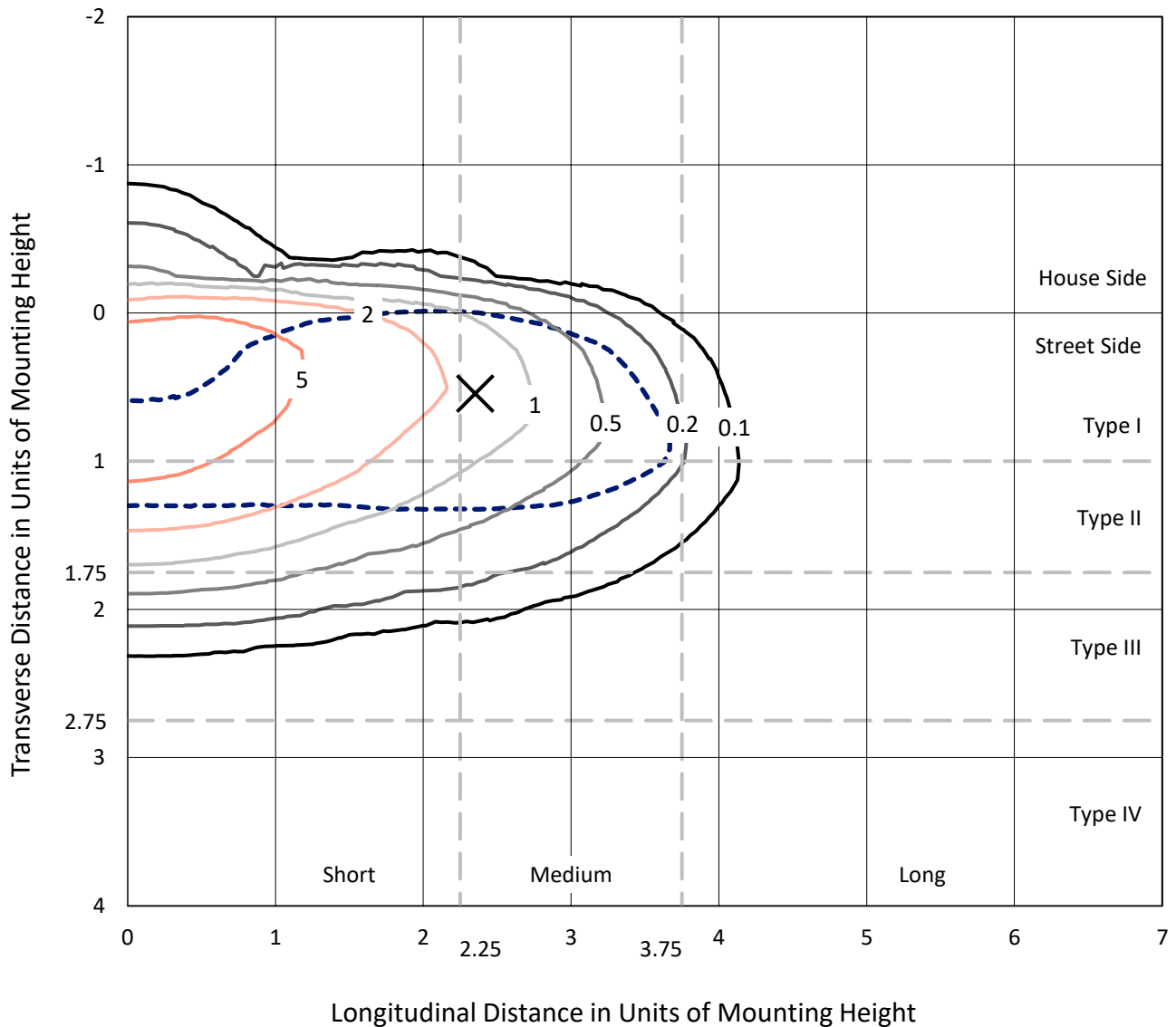
Lumens per Lamp: N/A
Luminaire Lumens: 7552.2 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8
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

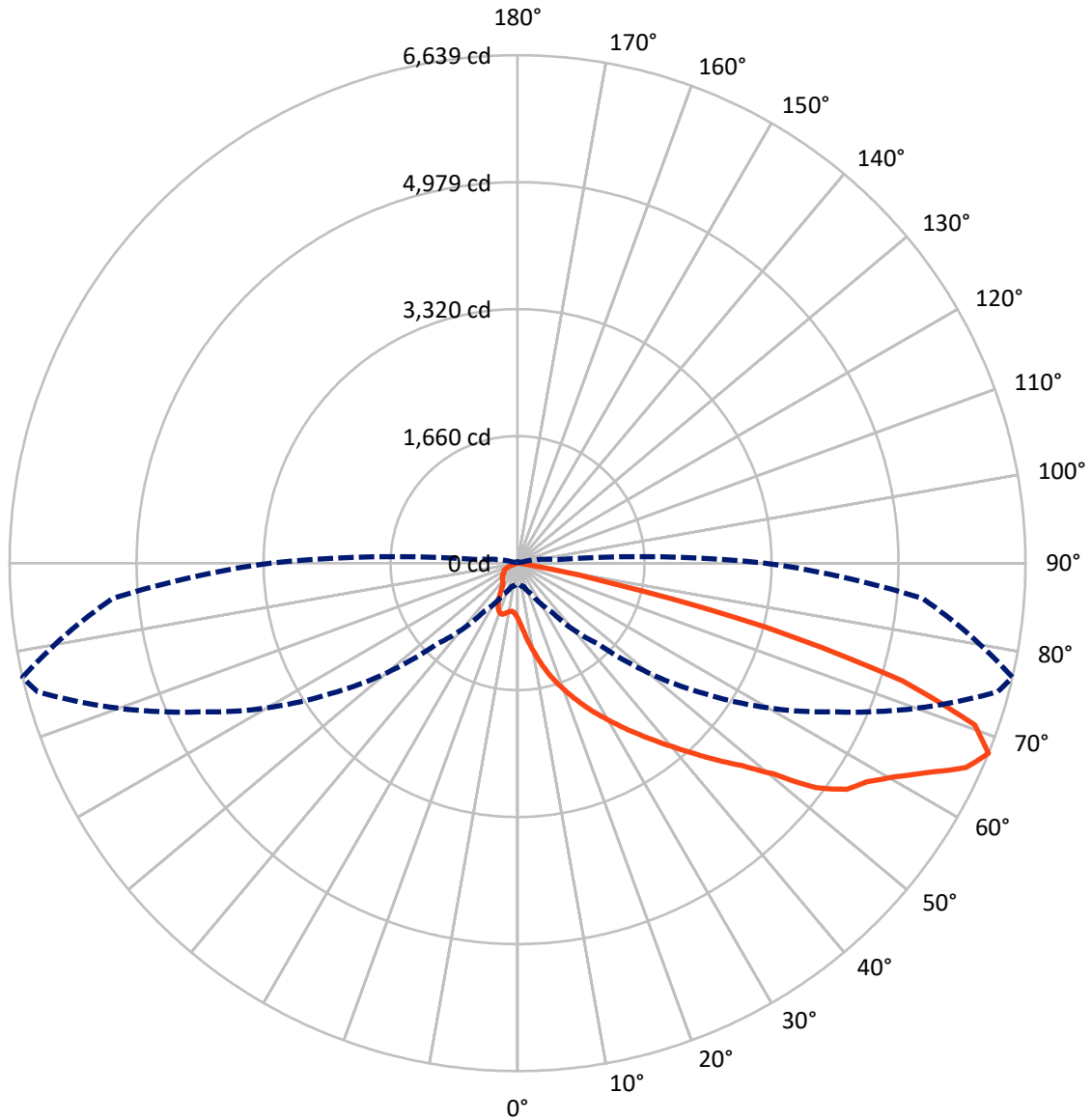
× Max cd
 - - - 1/2 Max cd



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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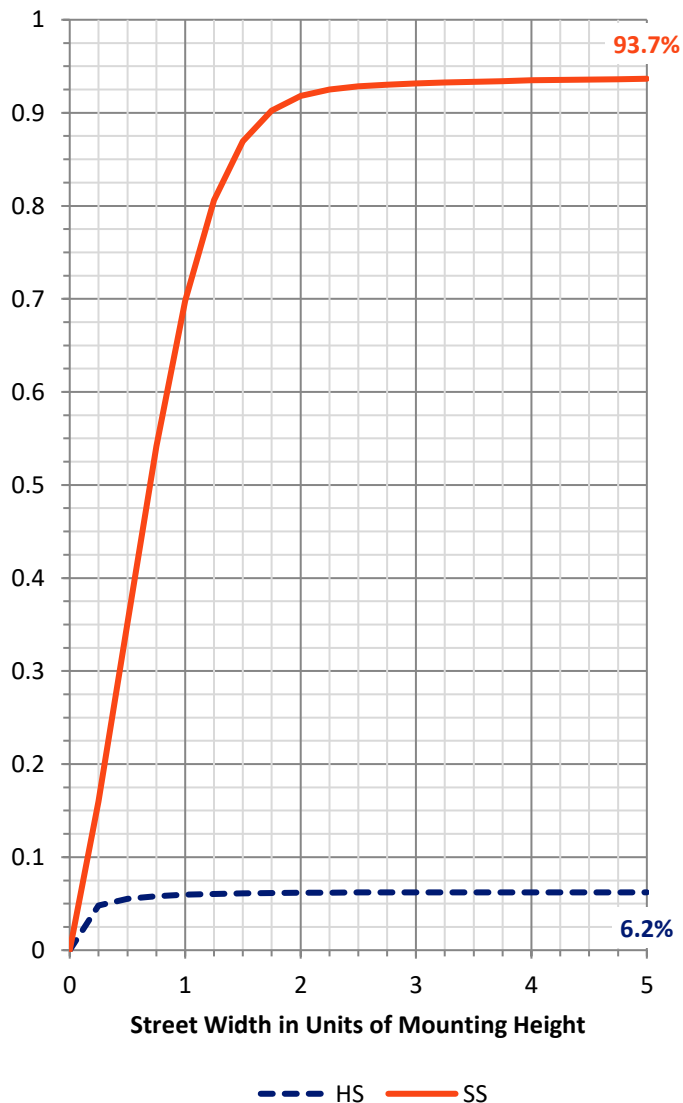
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	471.9	0.0	471.9
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	7080.2	0.0	7080.2
	% Fixture	93.8	0.0	93.8
Total	Lumens	7552.2	0.0	7552.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.0	1.1
10°-20°	314.4	4.2
20°-30°	614.2	8.1
30°-40°	1073.8	14.2
40°-50°	1566.1	20.7
50°-60°	1831.2	24.2
60°-70°	1484.5	19.7
70°-80°	557.7	7.4
80°-90°	25.4	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°	7552.2	100.0
0°-180°	7552.2	100.0



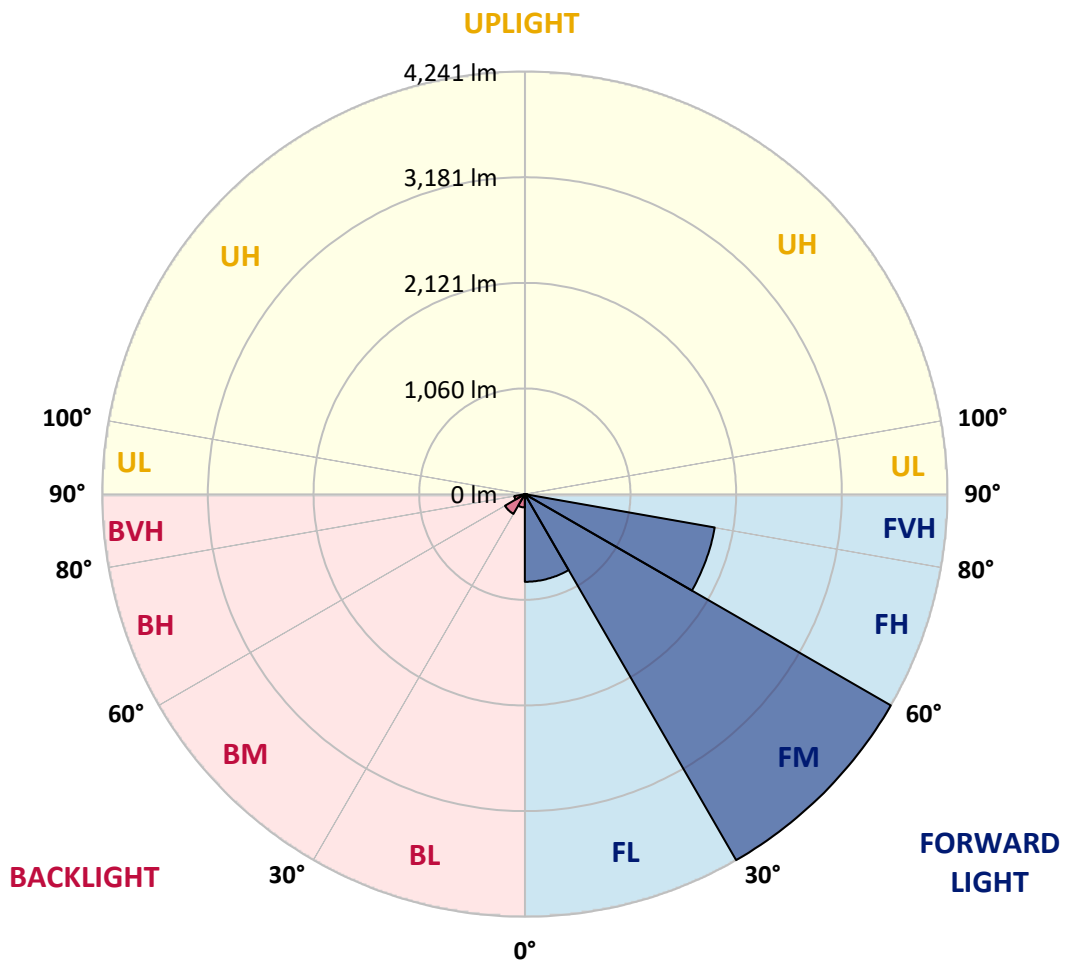
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	879.8	11.6			
FM (30°-60°)	4241.5	56.2			
FH (60°-80°)	1935.1	25.6			G2/5000
FVH (80°-90°)	23.9	0.3			G1/100
BL (0°-30°)	133.8	1.8	B1/500		
BM (30°-60°)	229.6	3.0	B1/1000		
BH (60°-80°)	107.0	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°	723.4	723.4	723.4	723.4	723.4	723.4	723.4	723.4	723.4	723.4	723.4
2.5°	1086.1	1046.5	1054.0	1037.6	1016.5	967.4	915.6	863.8	817.4	807.2	760.9
5°	1390.8	1378.5	1365.6	1354.7	1310.4	1249.0	1155.6	1037.0	929.9	911.5	815.4
7.5°	1627.4	1609.0	1620.6	1587.2	1540.8	1481.5	1362.9	1236.0	1071.1	1043.8	894.5
10°	1801.9	1791.7	1797.1	1781.5	1759.0	1699.6	1582.4	1423.5	1232.6	1180.8	983.1
12.5°	1932.8	1934.9	1958.7	1960.1	1941.7	1893.3	1769.2	1603.5	1379.2	1332.9	1081.3
15°	2028.3	2030.3	2059.6	2091.0	2112.1	2086.9	1974.4	1789.0	1551.7	1488.3	1184.2
17.5°	2043.9	2045.3	2097.1	2160.5	2226.0	2247.8	2161.2	1973.0	1709.2	1636.9	1302.2
20°	2054.2	2065.8	2112.1	2185.1	2288.7	2356.2	2309.1	2149.6	1861.9	1778.0	1418.1
22.5°	2178.2	2178.2	2205.5	2257.3	2339.8	2445.5	2436.0	2311.9	2010.5	1927.4	1533.3
25°	2441.4	2441.4	2414.8	2401.2	2445.5	2528.7	2552.5	2485.0	2180.3	2082.1	1654.6
27.5°	2789.8	2789.8	2748.2	2648.0	2609.8	2644.6	2669.8	2635.7	2337.1	2240.3	1782.8
30°	3151.1	3163.4	3091.1	2963.6	2830.0	2803.4	2778.9	2771.4	2504.1	2395.0	1913.0
32.5°	3513.8	3512.5	3422.5	3263.6	3089.1	2995.0	2915.2	2906.4	2681.4	2574.3	2036.4
35°	3803.6	3804.3	3709.5	3546.5	3344.7	3224.8	3096.6	3055.0	2875.7	2756.4	2183.7
37.5°	4054.5	4040.1	3937.9	3783.1	3595.0	3470.9	3311.3	3202.9	3076.8	2955.5	2331.0
40°	4198.3	4179.2	4079.7	3932.4	3789.9	3695.2	3554.7	3381.6	3297.7	3166.8	2498.7
42.5°	4219.5	4203.1	4137.0	4048.3	3931.7	3848.6	3811.1	3583.4	3529.5	3410.9	2699.1
45°	4160.1	4133.5	4111.7	4065.4	4032.6	3992.4	4043.6	3798.1	3795.4	3677.4	2897.5
47.5°	4012.9	3976.7	3982.2	4033.3	4070.1	4106.3	4265.8	4079.7	4063.3	3952.9	3157.9
50°	3761.3	3743.6	3803.6	3904.5	4050.4	4194.9	4487.4	4367.4	4432.2	4328.5	3517.2
52.5°	3250.0	3271.8	3451.1	3693.8	3946.1	4236.5	4695.3	4796.9	4962.6	4877.4	3878.6
55°	2636.4	2628.2	2867.5	3298.4	3701.3	4209.9	4786.0	5049.8	5310.3	5221.0	4079.7
57.5°	2123.7	2138.0	2299.6	2725.7	3286.1	4004.7	4807.1	5182.1	5450.0	5390.7	4265.8
60°	1594.0	1607.6	1754.9	2125.7	2733.9	3576.5	4632.6	5228.5	5712.5	5667.5	4563.1
62.5°	1014.5	1032.2	1180.1	1540.8	2089.6	2911.1	4240.6	5180.1	5986.6	6024.1	4968.7
65°	499.1	514.7	623.8	899.9	1396.9	2176.9	3693.8	4995.3	6335.7	6442.7	5293.9
67.5°	276.1	283.6	321.1	458.1	779.3	1493.1	2968.4	4600.6	6495.9	6639.0	5315.7
70°	214.8	216.8	231.1	267.3	379.7	876.1	2111.4	3943.3	6163.8	6337.0	4873.3
72.5°	180.7	183.4	190.2	202.5	237.3	456.1	1326.7	3047.5	5186.2	5264.6	3770.2
75°	132.3	136.4	155.4	166.4	187.5	276.8	585.0	1831.2	3427.2	3350.2	2109.4
77.5°	111.1	114.5	119.3	135.0	154.8	188.8	205.2	767.7	1394.9	1212.9	553.6
80°	75.7	79.8	92.7	100.9	130.9	124.8	85.2	205.9	280.2	228.4	106.4
82.5°	53.9	57.3	64.1	82.5	94.8	66.1	46.4	62.7	67.5	64.1	34.8
85°	17.0	21.8	46.4	68.2	51.1	22.5	29.3	23.9	21.1	20.5	13.6
87.5°	3.4	3.4	23.2	27.3	20.5	11.6	10.2	7.5	9.5	9.5	7.5
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°	723.4	723.4	723.4	723.4	723.4	723.4	723.4	723.4	723.4	723.4	723.4
2.5°	739.0	708.4	664.0	622.5	580.2	550.2	529.1	507.9	499.7	496.3	487.5
5°	771.8	713.1	625.2	554.3	502.5	469.7	450.0	432.9	422.0	418.6	413.8
7.5°	818.8	734.3	608.1	526.3	474.5	439.1	407.0	370.2	340.9	329.3	324.5
10°	869.9	766.3	610.9	520.9	452.0	374.3	302.7	243.4	217.5	207.9	201.1
12.5°	944.9	801.8	622.5	514.7	384.5	267.3	193.6	169.1	162.9	161.6	160.2
15°	1019.9	851.5	641.5	473.8	287.0	182.0	160.9	152.0	148.6	145.2	145.2
17.5°	1095.6	899.2	649.0	394.1	198.4	157.5	146.6	139.1	133.6	130.9	128.9
20°	1180.8	949.7	627.2	296.6	158.9	143.9	131.6	122.7	117.9	115.2	113.2
22.5°	1272.9	999.5	579.5	206.6	144.5	129.5	117.9	109.1	104.3	101.6	100.9
25°	1359.4	1042.4	503.1	155.4	130.2	115.9	105.0	97.5	94.1	91.4	90.7
27.5°	1448.8	1079.2	403.6	137.0	118.6	105.0	94.1	87.9	84.5	82.5	81.8
30°	1536.0	1104.5	300.7	125.4	108.4	94.8	85.2	80.4	77.0	75.0	74.3
32.5°	1626.0	1118.8	203.2	115.2	98.2	85.9	77.7	72.9	70.9	68.9	68.9
35°	1712.6	1116.7	146.6	105.7	90.0	77.7	70.2	66.8	66.1	64.1	64.1
37.5°	1807.4	1102.4	124.8	96.8	81.1	70.2	64.1	62.0	61.4	60.0	59.3
40°	1915.1	1070.4	113.9	90.0	73.6	64.1	58.6	57.3	56.6	55.2	55.2
42.5°	2033.0	1028.8	107.7	82.5	67.5	58.0	53.9	51.8	51.1	49.8	49.8
45°	2170.1	989.2	103.6	75.0	62.0	53.2	49.1	47.0	46.4	45.0	45.0
47.5°	2356.9	966.7	96.8	68.2	55.9	48.4	44.3	43.0	41.6	40.2	40.2
50°	2613.9	940.2	87.9	61.4	51.1	43.6	40.9	38.9	38.2	36.8	36.8
52.5°	2825.2	883.6	79.1	54.5	45.7	40.2	37.5	36.1	34.8	34.1	34.1
55°	2899.6	817.4	70.2	49.1	41.6	37.5	34.8	33.4	32.7	32.0	32.0
57.5°	3018.2	796.3	62.0	43.6	37.5	34.8	32.0	31.4	30.7	30.0	29.3
60°	3220.7	808.6	54.5	38.9	34.1	31.4	29.3	28.6	27.3	25.9	25.9
62.5°	3417.0	793.6	46.4	34.1	29.3	28.0	25.9	24.5	21.8	19.8	18.4
65°	3464.7	693.4	40.2	28.6	24.5	23.2	21.1	18.4	14.3	11.6	11.6
67.5°	3233.6	527.0	34.8	24.5	20.5	19.1	15.0	12.3	8.9	6.8	6.8
70°	2668.4	334.1	28.6	19.1	17.0	13.0	9.5	8.9	6.1	5.5	4.8
72.5°	1925.3	182.7	23.9	15.7	12.3	8.2	6.8	5.5	4.1	2.7	2.7
75°	974.9	85.9	17.7	12.3	8.2	5.5	4.1	2.7	2.7	2.0	2.0
77.5°	276.1	39.5	11.6	8.2	5.5	3.4	2.7	2.0	2.0	1.4	1.4
80°	54.5	19.8	7.5	5.5	4.1	2.7	2.0	1.4	1.4	0.7	0.7
82.5°	19.8	10.2	5.5	4.1	3.4	2.7	1.4	0.7	0.7	0.0	0.0
85°	10.2	5.5	4.1	3.4	2.7	2.0	1.4	0.7	0.0	0.0	0.0
87.5°	5.5	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)