

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: P674579

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

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P674579  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-750-U-T2R-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T2R distribution lens and House Side Shield  
Light Source: (32) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

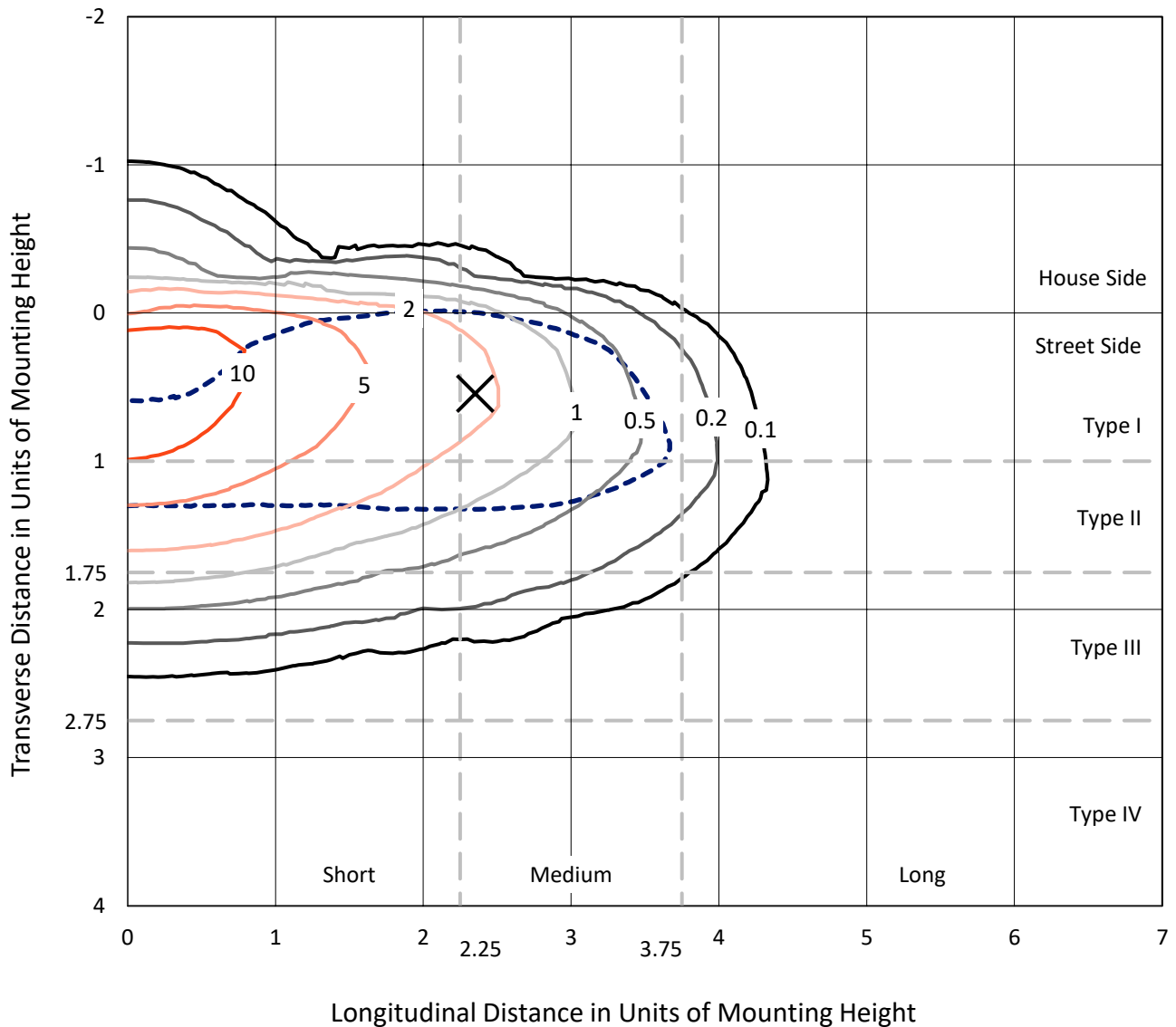
Lumens per Lamp: N/A  
Luminaire Lumens: 11324.6 lumens  
Efficiency: N/A  
Efficacy: 106.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

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: P674579  
 CATALOG NUMBER: CCP-SA-2E-750-U-T2R-HSS

### Iso-Footcandle Lines of Horizontal Illumination

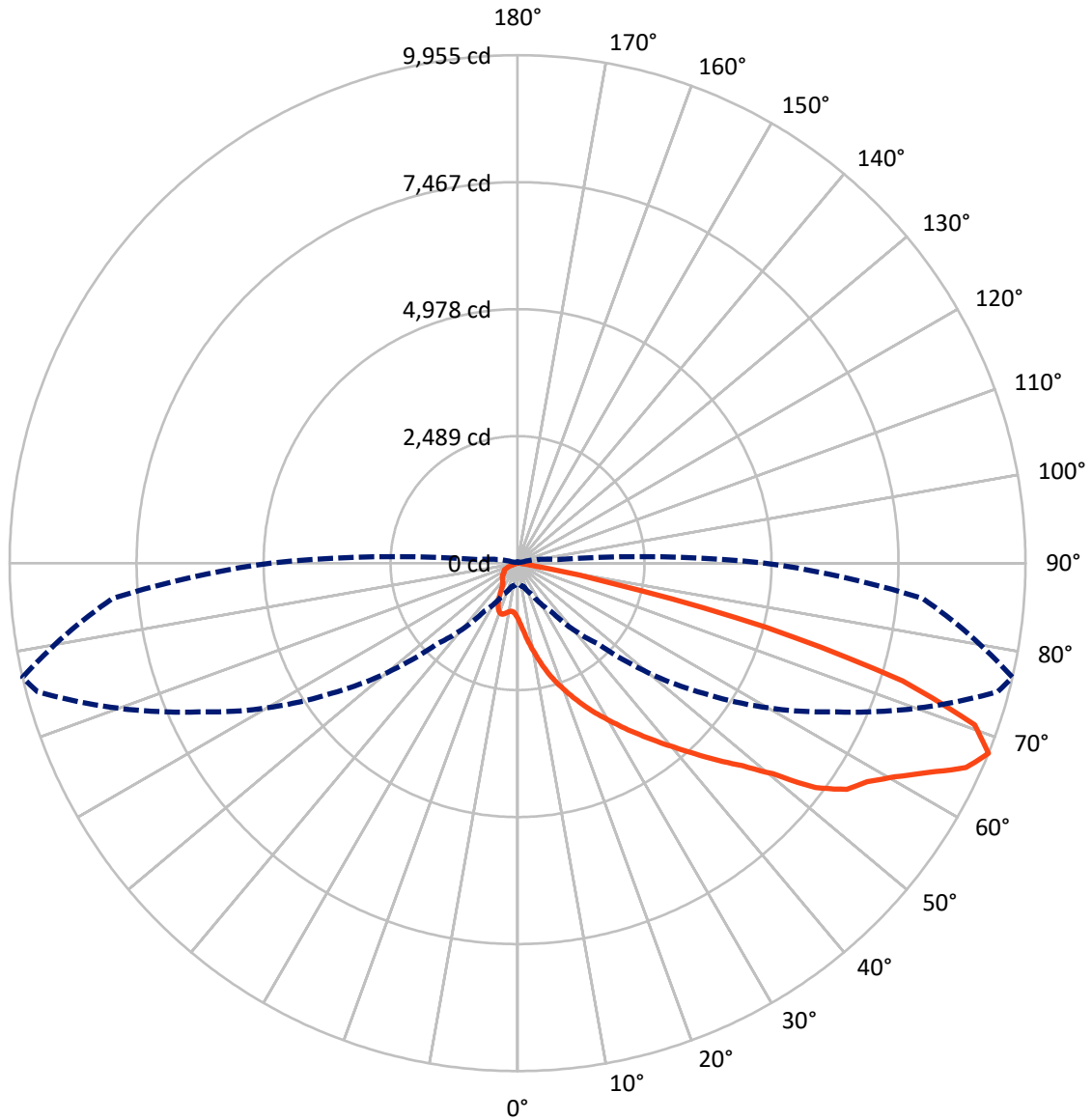
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 14 fc  
 Type II - Medium - N/A

REPORT NUMBER: P674579  
CATALOG NUMBER: CCP-SA-2E-750-U-T2R-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P674579

CATALOG NUMBER: CCP-SA-2E-750-U-T2R-HSS

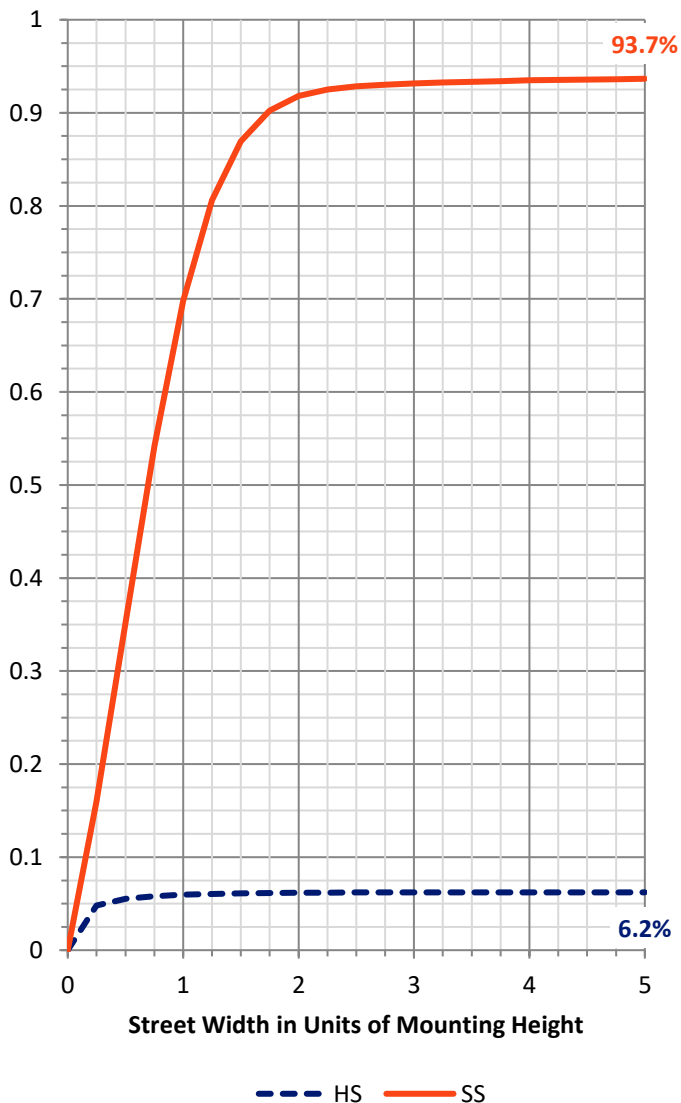
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	707.7	0.0	707.7
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	10617.0	0.0	10617.0
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	11324.6	0.0	11324.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.5	1.1
10°-20°	471.4	4.2
20°-30°	921.0	8.1
30°-40°	1610.2	14.2
40°-50°	2348.3	20.7
50°-60°	2746.0	24.2
60°-70°	2226.0	19.7
70°-80°	836.2	7.4
80°-90°	38.0	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°	11324.6	100.0
0°-180°	11324.6	100.0



REPORT NUMBER: P674579

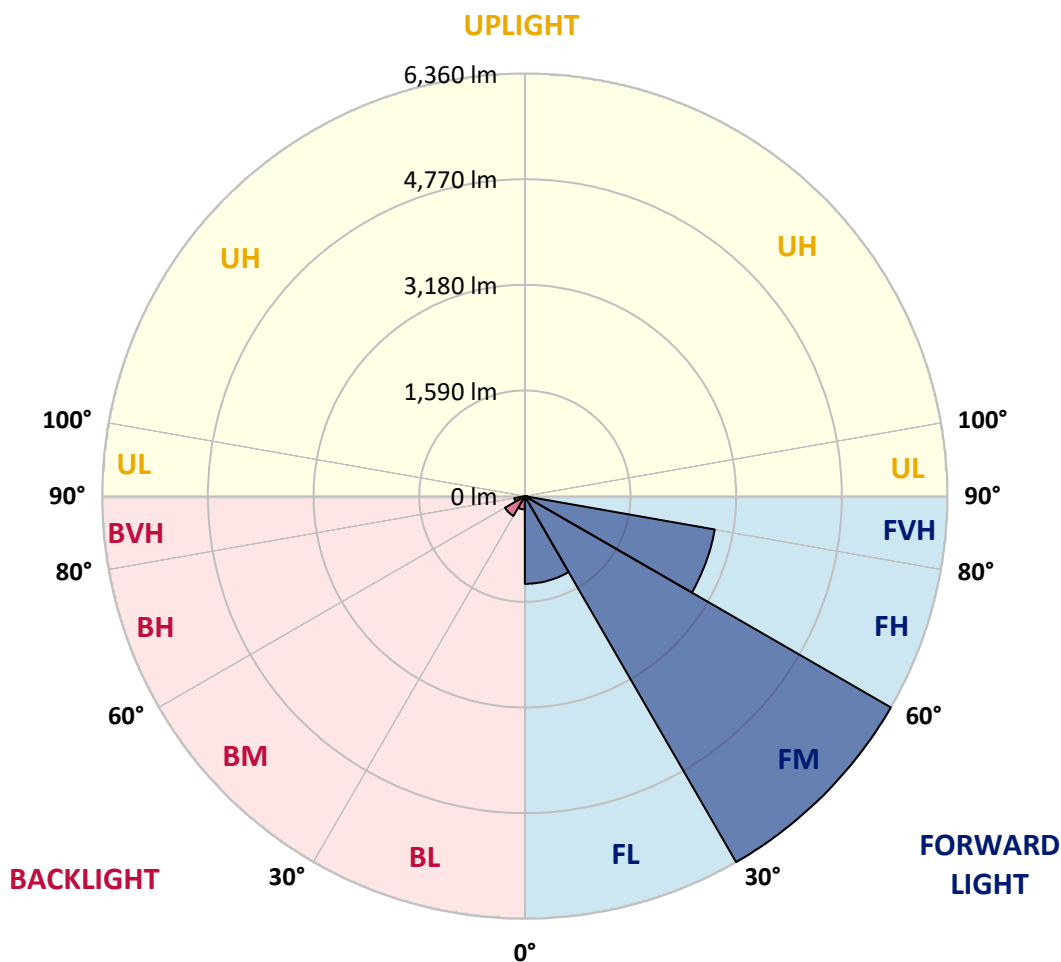
CATALOG NUMBER: CCP-SA-2E-750-U-T2R-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1319.2	11.6			
FM (30°-60°)	6360.2	56.2			
FH (60°-80°)	2901.7	25.6			G2/5000
FVH (80°-90°)	35.8	0.3			G1/100
BL (0°-30°)	200.7	1.8	B1/500		
BM (30°-60°)	344.3	3.0	B1/1000		
BH (60°-80°)	160.5	1.4	B1/500		G1/500
BVH (80°-90°)	2.2	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: P674579

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1084.7	1084.7	1084.7	1084.7	1084.7	1084.7	1084.7	1084.7	1084.7	1084.7	1084.7
2.5°	1628.6	1569.3	1580.5	1556.0	1524.3	1450.7	1373.0	1295.3	1225.8	1210.4	1140.9
5°	2085.5	2067.1	2047.7	2031.4	1964.9	1872.9	1732.8	1555.0	1394.5	1366.8	1222.7
7.5°	2440.3	2412.7	2430.1	2380.0	2310.5	2221.5	2043.6	1853.5	1606.1	1565.2	1341.3
10°	2702.0	2686.7	2694.8	2671.3	2637.6	2548.7	2372.8	2134.6	1848.4	1770.7	1474.2
12.5°	2898.3	2901.4	2937.1	2939.2	2911.6	2839.0	2652.9	2404.5	2068.2	1998.6	1621.4
15°	3041.4	3044.5	3088.4	3135.5	3167.2	3129.3	2960.7	2682.6	2326.8	2231.7	1775.8
17.5°	3064.9	3067.0	3144.7	3239.7	3337.9	3370.6	3240.8	2958.6	2563.0	2454.6	1952.6
20°	3080.3	3097.6	3167.2	3276.6	3431.9	3533.2	3462.6	3223.4	2792.0	2666.2	2126.4
22.5°	3266.3	3266.3	3307.2	3384.9	3508.6	3667.1	3652.8	3466.7	3014.8	2890.1	2299.2
25°	3660.9	3660.9	3621.1	3600.6	3667.1	3791.8	3827.6	3726.4	3269.4	3122.2	2481.2
27.5°	4183.4	4183.4	4121.0	3970.7	3913.5	3965.6	4003.4	3952.3	3504.5	3359.4	2673.4
30°	4725.2	4743.6	4635.2	4444.0	4243.7	4203.8	4167.0	4155.8	3755.0	3591.4	2868.6
32.5°	5269.1	5267.0	5132.1	4893.9	4632.2	4491.1	4371.5	4358.2	4020.8	3860.3	3053.7
35°	5703.6	5704.6	5562.5	5318.1	5015.5	4835.6	4643.4	4581.0	4312.2	4133.3	3274.5
37.5°	6079.8	6058.3	5905.0	5672.9	5390.7	5204.7	4965.4	4802.9	4613.8	4431.8	3495.3
40°	6295.5	6266.9	6117.6	5896.8	5683.1	5541.0	5330.4	5070.7	4945.0	4748.7	3746.8
42.5°	6327.2	6302.6	6203.5	6070.6	5895.7	5771.0	5714.8	5373.3	5292.6	5114.7	4047.4
45°	6238.2	6198.4	6165.6	6096.1	6047.1	5986.7	6063.4	5695.4	5691.3	5514.4	4344.9
47.5°	6017.4	5963.2	5971.4	6048.1	6103.3	6157.5	6396.7	6117.6	6093.1	5927.4	4735.4
50°	5640.2	5613.6	5703.6	5854.9	6073.6	6290.4	6728.9	6549.0	6646.1	6490.7	5274.2
52.5°	4873.4	4906.1	5175.0	5539.0	5917.2	6352.7	7040.8	7193.1	7441.5	7313.7	5816.0
55°	3953.3	3941.1	4299.9	4946.0	5550.2	6312.9	7176.7	7572.4	7962.9	7829.0	6117.6
57.5°	3184.5	3206.0	3448.3	4087.3	4927.6	6005.1	7208.4	7770.7	8172.5	8083.5	6396.7
60°	2390.2	2410.6	2631.5	3187.6	4099.5	5363.1	6946.7	7840.2	8566.1	8498.6	6842.4
62.5°	1521.2	1547.8	1769.6	2310.5	3133.4	4365.3	6358.9	7767.6	8977.0	9033.3	7450.7
65°	748.3	771.9	935.4	1349.5	2094.7	3264.3	5539.0	7490.6	9500.5	9661.0	7938.4
67.5°	414.0	425.3	481.5	687.0	1168.5	2238.9	4451.2	6898.7	9740.7	9955.4	7971.1
70°	322.0	325.1	346.6	400.8	569.4	1313.7	3166.1	5913.1	9242.8	9502.5	7307.6
72.5°	270.9	275.0	285.2	303.6	355.8	683.9	1989.4	4569.8	7776.8	7894.4	5653.5
75°	198.3	204.5	233.1	249.4	281.1	415.1	877.2	2746.0	5139.2	5023.7	3163.1
77.5°	166.6	171.8	178.9	202.4	232.1	283.2	307.7	1151.1	2091.7	1818.7	830.1
80°	113.5	119.6	139.0	151.3	196.3	187.1	127.8	308.7	420.2	342.5	159.5
82.5°	80.8	85.9	96.1	123.7	142.1	99.2	69.5	94.1	101.2	96.1	52.1
85°	25.6	32.7	69.5	102.2	76.7	33.7	44.0	35.8	31.7	30.7	20.4
87.5°	5.1	5.1	34.8	40.9	30.7	17.4	15.3	11.2	14.3	14.3	11.2
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: P674579  
 CATALOG NUMBER: CCP-SA-2E-750-U-T2R-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1084.7	1084.7	1084.7	1084.7	1084.7	1084.7	1084.7	1084.7	1084.7	1084.7	1084.7
2.5°	1108.2	1062.2	995.7	933.4	870.0	825.0	793.3	761.6	749.4	744.3	731.0
5°	1157.3	1069.4	937.5	831.2	753.5	704.4	674.7	649.2	632.8	627.7	620.6
7.5°	1227.8	1101.0	911.9	789.2	711.5	658.4	610.3	555.1	511.2	493.8	486.6
10°	1304.5	1149.1	916.0	781.1	677.8	561.3	453.9	365.0	326.1	311.8	301.6
12.5°	1416.9	1202.3	933.4	771.9	576.6	400.8	290.3	253.5	244.3	242.3	240.2
15°	1529.4	1276.9	962.0	710.5	430.4	273.0	241.3	228.0	222.9	217.8	217.8
17.5°	1642.9	1348.4	973.3	590.9	297.5	236.2	219.8	208.6	200.4	196.3	193.2
20°	1770.7	1424.1	940.5	444.7	238.2	215.7	197.3	184.0	176.9	172.8	169.7
22.5°	1908.7	1498.7	869.0	309.8	216.7	194.2	176.9	163.6	156.4	152.3	151.3
25°	2038.5	1563.1	754.5	233.1	195.3	173.8	157.4	146.2	141.1	137.0	136.0
27.5°	2172.4	1618.3	605.2	205.5	177.9	157.4	141.1	131.9	126.8	123.7	122.7
30°	2303.3	1656.2	450.8	188.1	162.5	142.1	127.8	120.6	115.5	112.5	111.4
32.5°	2438.2	1677.6	304.7	172.8	147.2	128.8	116.5	109.4	106.3	103.3	103.3
35°	2568.1	1674.6	219.8	158.5	134.9	116.5	105.3	100.2	99.2	96.1	96.1
37.5°	2710.2	1653.1	187.1	145.2	121.7	105.3	96.1	93.0	92.0	90.0	88.9
40°	2871.7	1605.1	170.7	134.9	110.4	96.1	87.9	85.9	84.9	82.8	82.8
42.5°	3048.6	1542.7	161.5	123.7	101.2	86.9	80.8	77.7	76.7	74.6	74.6
45°	3254.1	1483.4	155.4	112.5	93.0	79.7	73.6	70.5	69.5	67.5	67.5
47.5°	3534.2	1449.7	145.2	102.2	83.8	72.6	66.5	64.4	62.4	60.3	60.3
50°	3919.6	1409.8	131.9	92.0	76.7	65.4	61.3	58.3	57.3	55.2	55.2
52.5°	4236.5	1324.9	118.6	81.8	68.5	60.3	56.2	54.2	52.1	51.1	51.1
55°	4347.9	1225.8	105.3	73.6	62.4	56.2	52.1	50.1	49.1	48.0	48.0
57.5°	4525.8	1194.1	93.0	65.4	56.2	52.1	48.0	47.0	46.0	45.0	44.0
60°	4829.5	1212.5	81.8	58.3	51.1	47.0	44.0	42.9	40.9	38.8	38.8
62.5°	5123.9	1190.0	69.5	51.1	44.0	41.9	38.8	36.8	32.7	29.6	27.6
65°	5195.5	1039.7	60.3	42.9	36.8	34.8	31.7	27.6	21.5	17.4	17.4
67.5°	4848.9	790.3	52.1	36.8	30.7	28.6	22.5	18.4	13.3	10.2	10.2
70°	4001.4	500.9	42.9	28.6	25.6	19.4	14.3	13.3	9.2	8.2	7.2
72.5°	2887.0	274.0	35.8	23.5	18.4	12.3	10.2	8.2	6.1	4.1	4.1
75°	1461.9	128.8	26.6	18.4	12.3	8.2	6.1	4.1	4.1	3.1	3.1
77.5°	414.0	59.3	17.4	12.3	8.2	5.1	4.1	3.1	3.1	2.0	2.0
80°	81.8	29.6	11.2	8.2	6.1	4.1	3.1	2.0	2.0	1.0	1.0
82.5°	29.6	15.3	8.2	6.1	5.1	4.1	2.0	1.0	1.0	0.0	0.0
85°	15.3	8.2	6.1	5.1	4.1	3.1	2.0	1.0	0.0	0.0	0.0
87.5°	8.2	6.1	5.1	5.1	4.1	3.1	2.0	1.0	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)