

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: P673281

Luminaire Tested: **CCP-SA-2C-750-U-T3-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673281  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-750-U-T3-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T3 distribution lens and House Side Shield  
Light Source: (32) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

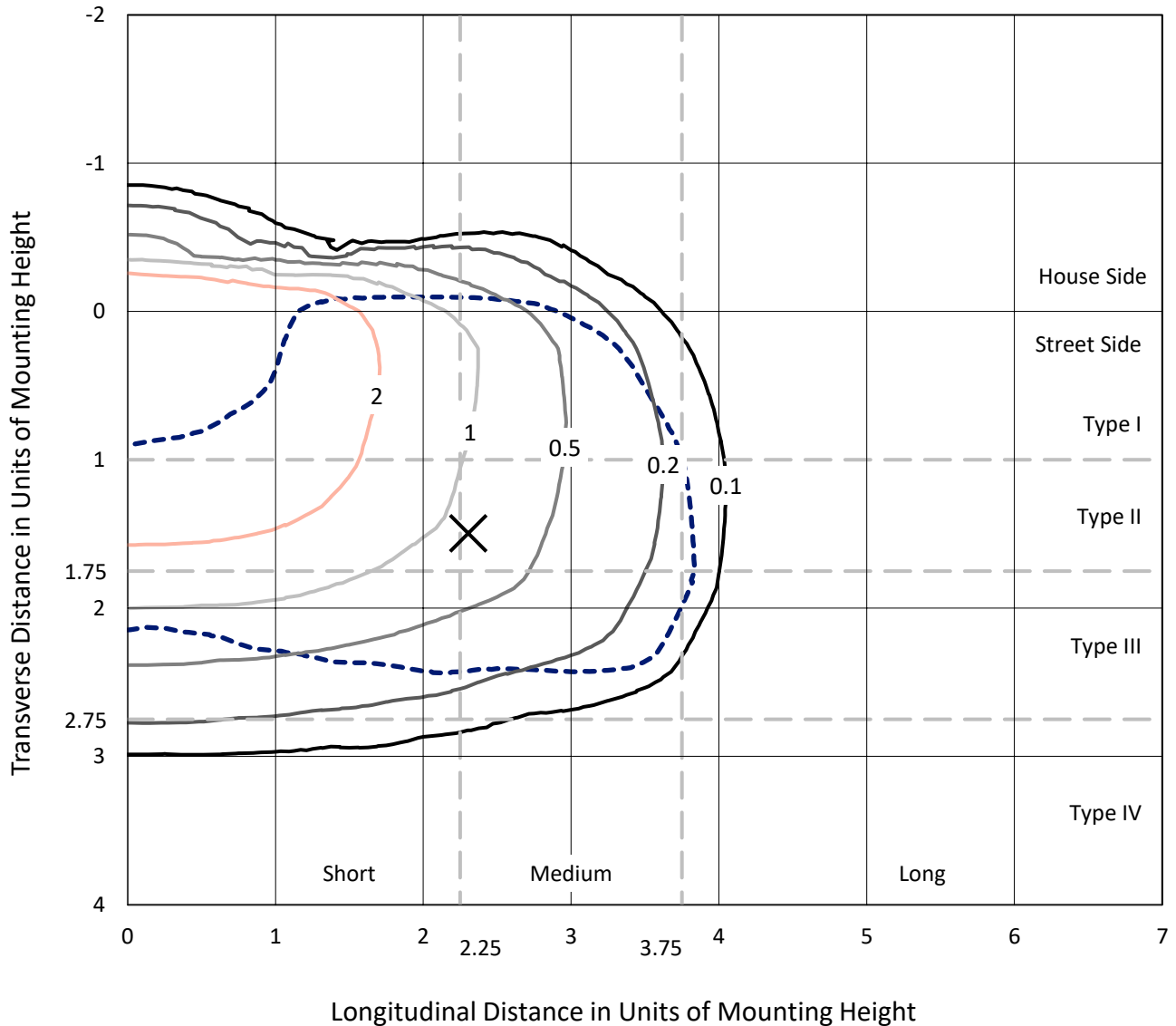
Lumens per Lamp: N/A  
Luminaire Lumens: 6662.7 lumens  
Efficiency: N/A  
Efficacy: 107.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

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

REPORT NUMBER: P673281  
 CATALOG NUMBER: CCP-SA-2C-750-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

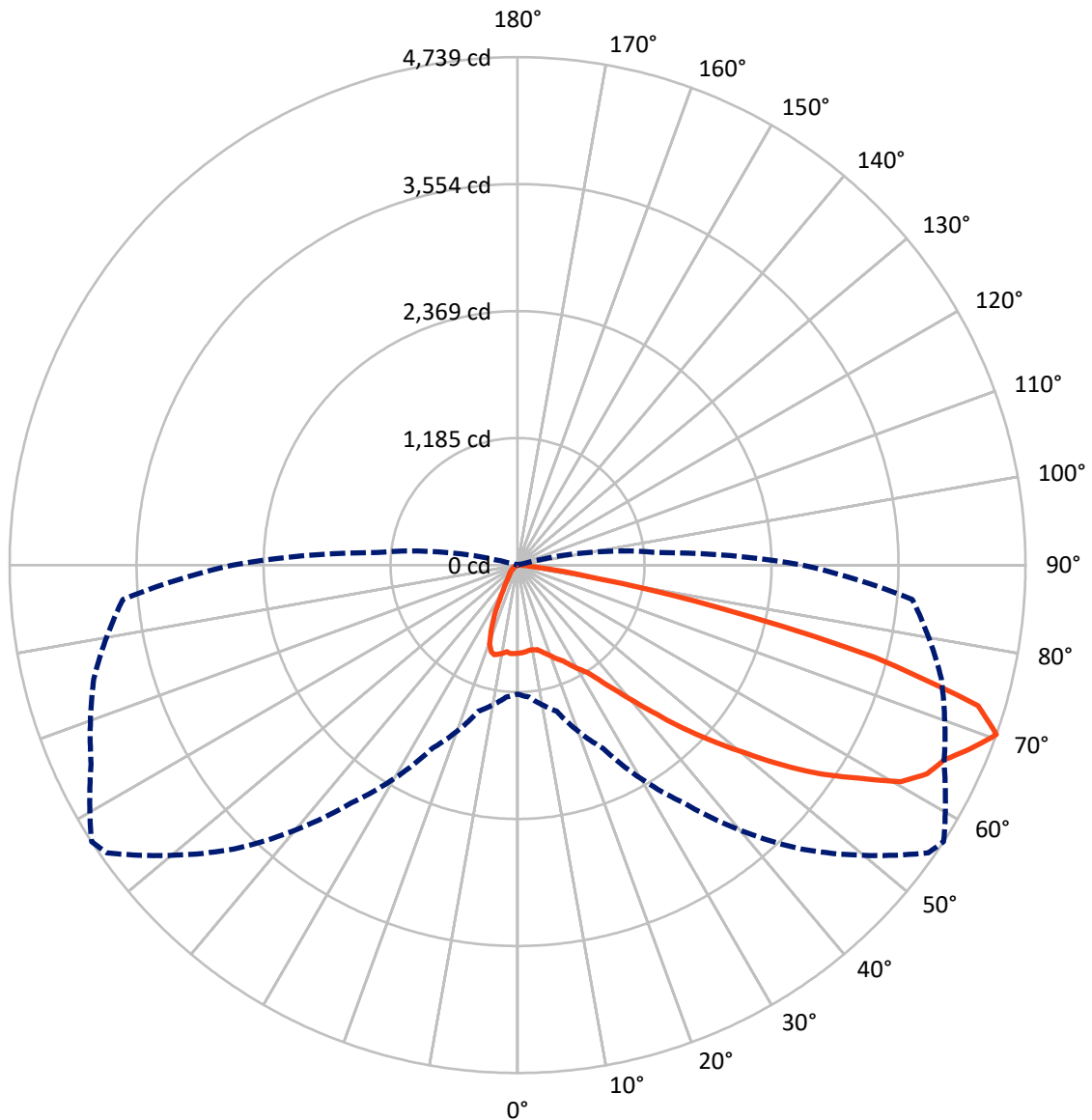
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.7 fc  
 Type III - Medium - N/A

REPORT NUMBER: P673281  
CATALOG NUMBER: CCP-SA-2C-750-U-T3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P673281

CATALOG NUMBER: CCP-SA-2C-750-U-T3-HSS

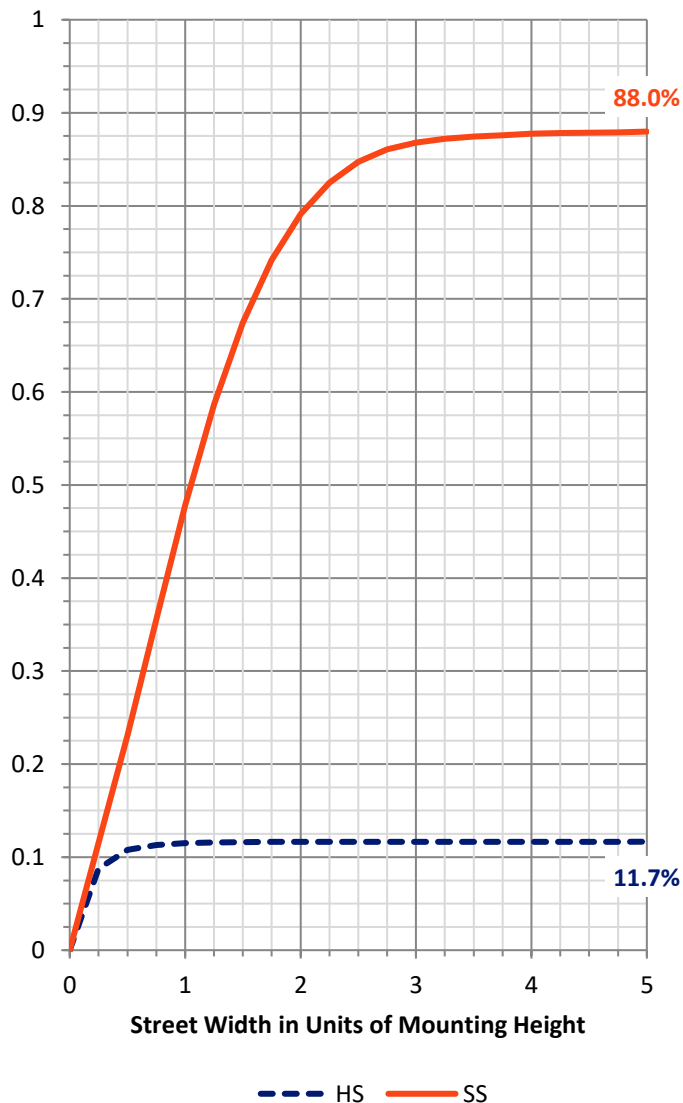
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	785.3	0.0	785.3
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	5877.4	0.0	5877.4
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	6662.7	0.0	6662.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.9	1.2
10°-20°	214.8	3.2
20°-30°	361.8	5.4
30°-40°	619.2	9.3
40°-50°	1039.7	15.6
50°-60°	1596.0	24.0
60°-70°	1842.6	27.7
70°-80°	870.4	13.1
80°-90°	41.3	0.6
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°	6662.7	100.0
0°-180°	6662.7	100.0



REPORT NUMBER: P673281

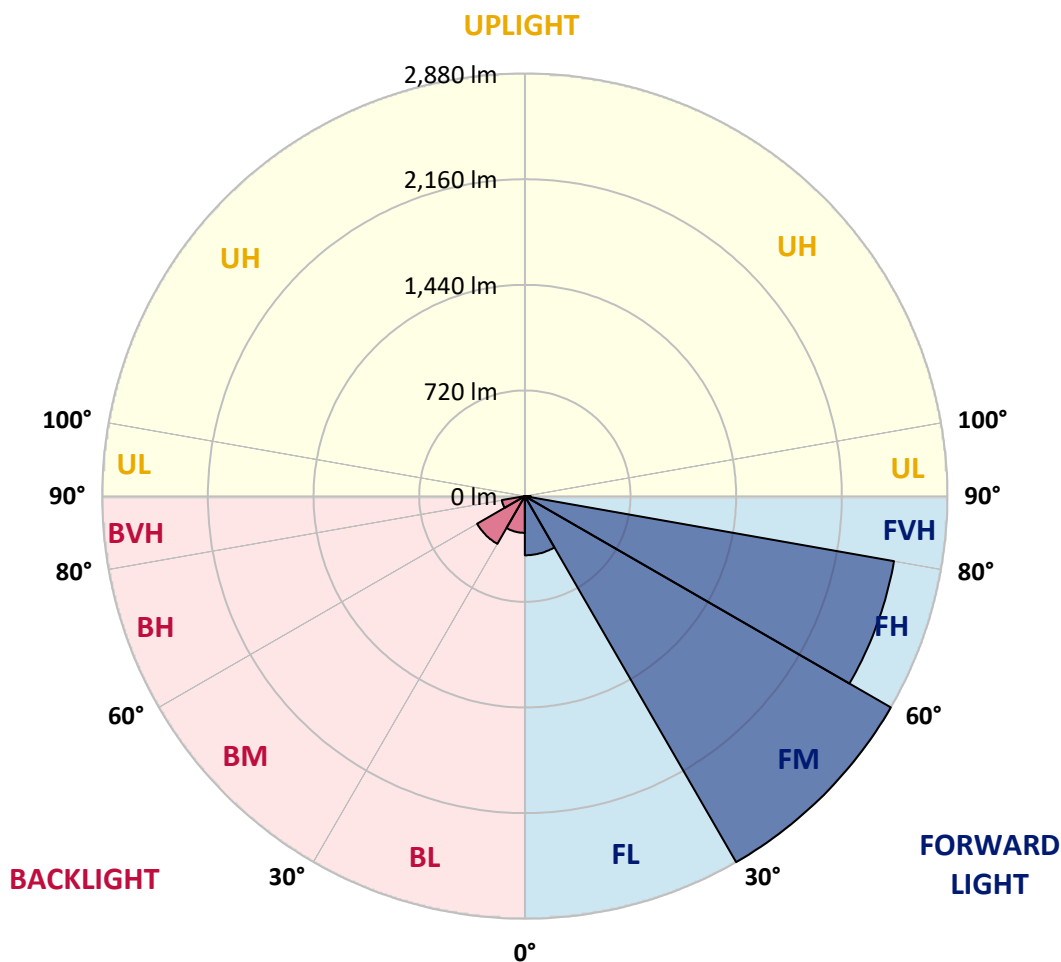
CATALOG NUMBER: CCP-SA-2C-750-U-T3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	403.1	6.0			
FM (30°-60°)	2879.6	43.2			
FH (60°-80°)	2554.2	38.3			G2/5000
FVH (80°-90°)	40.6	0.6			G1/100
BL (0°-30°)	250.4	3.8	B1/500		
BM (30°-60°)	375.4	5.6	B1/1000		
BH (60°-80°)	158.8	2.4	B1/500		G1/500
BVH (80°-90°)	0.7	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 III Medium





REPORT NUMBER: P673281

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1
2.5°	810.2	805.1	810.2	817.0	810.2	815.3	813.6	818.7	811.9	811.9	817.0
5°	757.4	765.9	769.3	777.8	786.4	801.7	811.9	811.9	822.1	827.2	834.0
7.5°	738.7	725.1	738.7	745.5	754.0	779.5	794.9	801.7	815.3	834.0	844.2
10°	711.5	721.7	721.7	743.8	755.7	771.0	798.3	803.4	834.0	852.7	862.9
12.5°	709.8	709.8	718.3	733.6	757.4	786.4	820.4	810.2	842.5	876.6	893.6
15°	714.9	726.8	726.8	747.2	765.9	806.8	835.7	837.4	883.4	917.4	932.7
17.5°	737.0	731.9	738.7	750.6	779.5	818.7	866.4	871.5	924.2	970.2	992.3
20°	783.0	791.5	781.3	774.4	786.4	837.4	898.7	908.9	968.5	1012.7	1034.9
22.5°	954.9	948.1	907.2	859.5	839.1	862.9	929.3	953.2	1022.9	1075.7	1094.4
25°	1148.9	1137.0	1089.3	1017.8	924.2	914.0	990.6	990.6	1091.0	1148.9	1143.8
27.5°	1332.7	1329.3	1273.1	1198.3	1065.5	992.3	1040.0	1058.7	1167.6	1215.3	1193.2
30°	1519.9	1523.4	1472.3	1382.1	1242.5	1118.3	1109.7	1125.1	1225.5	1300.4	1254.4
32.5°	1737.8	1707.2	1671.4	1547.2	1419.5	1280.0	1200.0	1193.2	1290.2	1358.3	1297.0
35°	1931.8	1913.1	1874.0	1761.6	1615.3	1448.5	1336.1	1319.1	1371.9	1462.1	1395.7
37.5°	2102.1	2083.3	2032.3	1957.4	1843.3	1657.8	1499.5	1474.0	1496.1	1591.4	1511.4
40°	2248.4	2253.5	2239.9	2166.7	2061.2	1892.7	1710.6	1669.7	1651.0	1736.1	1645.9
42.5°	2354.0	2403.3	2406.7	2316.5	2231.4	2139.5	1935.3	1902.9	1858.7	1930.1	1867.2
45°	2575.2	2548.0	2565.0	2532.7	2439.1	2425.4	2194.0	2175.2	2114.0	2137.8	2071.4
47.5°	2748.8	2743.7	2776.1	2723.3	2697.8	2699.5	2488.4	2456.1	2369.3	2413.5	2338.6
50°	2849.3	2822.0	2939.5	2980.3	2975.2	2995.6	2786.3	2759.1	2675.7	2740.3	2580.3
52.5°	2873.1	2922.5	3033.1	3181.2	3244.1	3286.7	3111.4	3101.2	3011.0	3051.8	2830.5
55°	2932.7	2980.3	3045.0	3288.4	3521.6	3531.8	3431.4	3441.6	3361.6	3351.4	3068.8
57.5°	2931.0	2920.8	3099.5	3382.0	3705.4	3851.8	3797.3	3748.0	3661.2	3560.7	3222.0
60°	2823.7	2818.6	3004.2	3393.9	3805.8	4141.1	4163.3	4105.4	3887.5	3739.4	3402.4
62.5°	2611.0	2631.4	2818.6	3291.8	3901.1	4245.0	4326.7	4287.5	4016.9	3858.6	3615.2
65°	2367.6	2325.0	2542.9	3036.5	3686.7	4214.3	4391.3	4377.7	4170.1	3987.9	3810.9
67.5°	1899.5	1918.2	2085.0	2612.7	3320.7	4102.0	4542.8	4563.2	4292.6	4102.0	3870.5
70°	1203.4	1237.4	1411.0	1887.6	2711.4	3748.0	4679.0	4738.6	4389.6	4091.8	3696.9
72.5°	350.6	364.2	600.8	941.2	1727.6	3005.9	4461.1	4491.8	4200.7	3713.9	2859.5
75°	115.7	122.5	177.0	306.4	677.4	1554.0	3295.2	3439.9	3342.9	2692.7	1635.7
77.5°	76.6	80.0	97.0	146.4	257.0	486.8	1766.7	1921.6	1884.2	1261.2	527.6
80°	56.2	57.9	71.5	98.7	156.6	175.3	651.9	754.0	728.5	289.4	105.5
82.5°	35.7	35.7	52.8	69.8	98.7	86.8	188.9	209.4	204.2	110.6	40.8
85°	23.8	25.5	39.1	54.5	54.5	40.8	54.5	63.0	68.1	59.6	18.7
87.5°	6.8	8.5	22.1	37.4	22.1	20.4	18.7	20.4	23.8	32.3	10.2
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: P673281  
 CATALOG NUMBER: CCP-SA-2C-750-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1	822.1
2.5°	822.1	828.9	827.2	830.6	825.5	820.4	825.5	825.5	825.5	820.4	817.0
5°	828.9	825.5	828.9	822.1	828.9	822.1	818.7	808.5	806.8	806.8	813.6
7.5°	839.1	842.5	827.2	827.2	811.9	815.3	806.8	808.5	805.1	800.0	796.6
10°	854.4	868.1	852.7	847.6	830.6	817.0	796.6	786.4	786.4	779.5	786.4
12.5°	897.0	891.9	883.4	866.4	845.9	818.7	769.3	720.0	679.1	648.5	663.8
15°	931.0	929.3	917.4	885.1	857.8	774.4	650.2	522.5	454.5	423.8	418.7
17.5°	983.8	978.7	958.3	915.7	825.5	641.7	445.9	338.7	272.3	257.0	251.9
20°	1033.2	1031.5	987.2	932.7	743.8	468.1	291.1	223.0	204.2	206.0	202.5
22.5°	1085.9	1077.4	1024.6	912.3	592.3	311.5	207.7	199.1	192.3	190.6	194.0
25°	1145.5	1114.9	1062.1	866.4	435.7	214.5	195.7	188.9	182.1	180.4	180.4
27.5°	1169.3	1148.9	1079.1	755.7	275.7	187.2	183.8	175.3	166.8	161.7	160.0
30°	1223.8	1189.7	1096.1	594.0	195.7	171.9	166.8	156.6	144.7	136.2	136.2
32.5°	1278.3	1237.4	1097.8	415.3	163.4	154.9	146.4	132.8	117.4	108.9	110.6
35°	1346.3	1290.2	1079.1	268.9	146.4	136.2	119.1	103.8	90.2	83.4	83.4
37.5°	1462.1	1409.3	1002.5	177.0	132.8	115.7	98.7	81.7	69.8	64.7	64.7
40°	1608.5	1540.4	897.0	139.6	117.4	98.7	78.3	63.0	56.2	51.1	51.1
42.5°	1783.8	1698.7	740.4	124.3	103.8	81.7	61.3	49.4	42.6	42.6	40.8
45°	1959.1	1819.5	580.4	114.0	91.9	68.1	47.7	39.1	35.7	34.0	34.0
47.5°	2209.3	1965.9	415.3	103.8	80.0	52.8	39.1	32.3	28.9	27.2	28.9
50°	2449.3	2103.8	294.5	93.6	66.4	42.6	32.3	28.9	25.5	23.8	23.8
52.5°	2660.3	2199.1	206.0	81.7	56.2	35.7	28.9	25.5	23.8	22.1	22.1
55°	2776.1	2166.7	141.3	69.8	46.0	30.6	25.5	22.1	20.4	18.7	18.7
57.5°	2895.2	2076.5	107.2	57.9	37.4	28.9	23.8	20.4	18.7	17.0	17.0
60°	2995.6	2010.1	83.4	46.0	30.6	23.8	20.4	17.0	15.3	13.6	11.9
62.5°	3000.7	1877.4	61.3	34.0	23.8	20.4	17.0	13.6	8.5	6.8	5.1
65°	3021.2	1737.8	44.3	25.5	17.0	15.3	11.9	6.8	3.4	0.0	0.0
67.5°	2949.7	1572.7	35.7	18.7	11.9	8.5	5.1	1.7	0.0	0.0	0.0
70°	2658.6	1327.6	27.2	13.6	8.5	5.1	1.7	0.0	0.0	0.0	0.0
72.5°	1902.9	862.9	18.7	10.2	3.4	1.7	0.0	0.0	0.0	0.0	0.0
75°	1014.4	367.6	13.6	6.8	1.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	318.3	93.6	8.5	3.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	69.8	25.5	5.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	23.8	10.2	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.5	3.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.4	1.7	1.7	0.0	0.0	0.0	0.0	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)