

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: P672335

Luminaire Tested: **CCP-SA-1E-850-U-T3R**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P672335  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-850-U-T3R  
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3R distribution lens  
Light Source: (16) 5000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

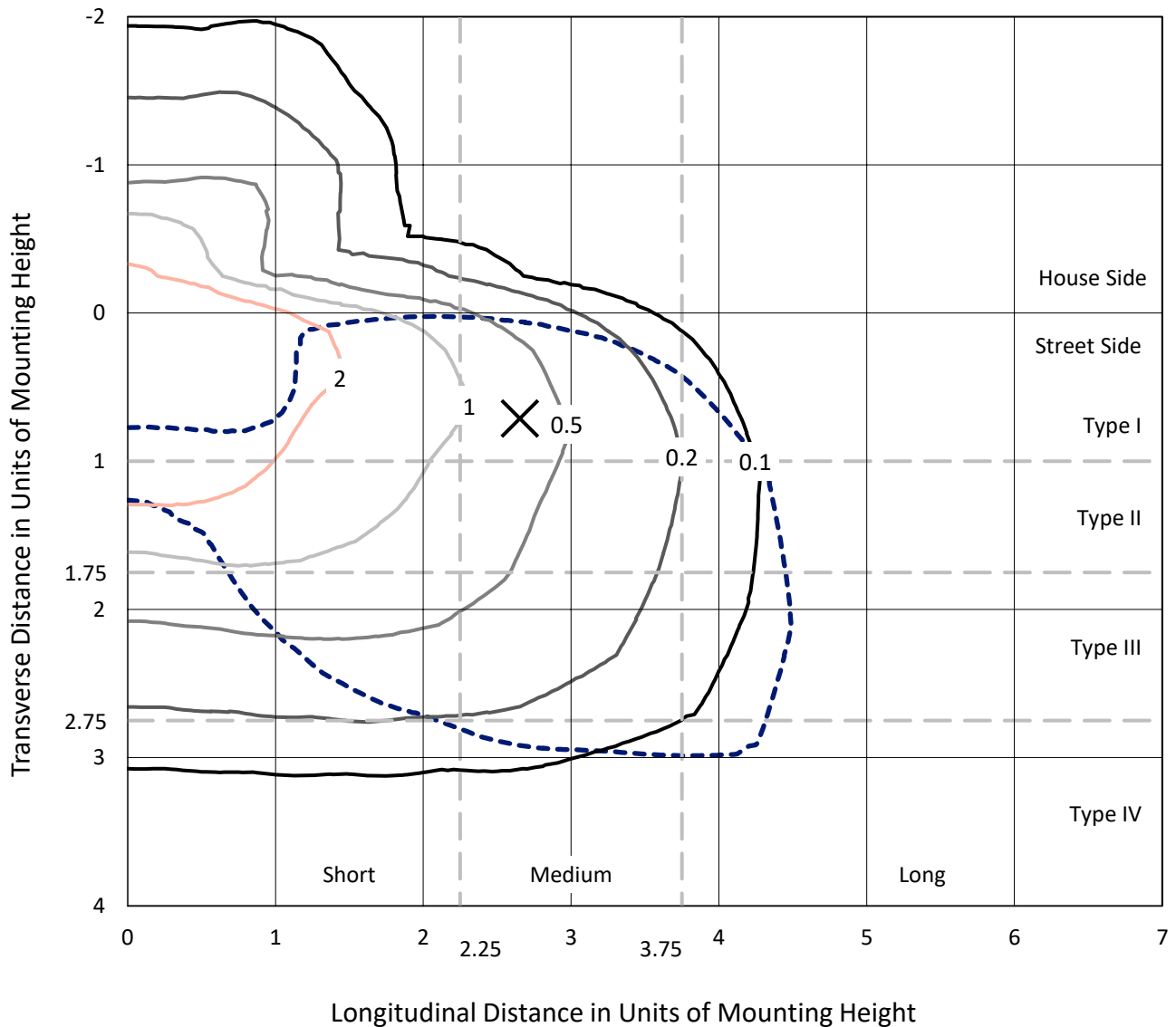
Lumens per Lamp: N/A  
Luminaire Lumens: 6063.7 lumens  
Efficiency: N/A  
Efficacy: 108.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1  
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

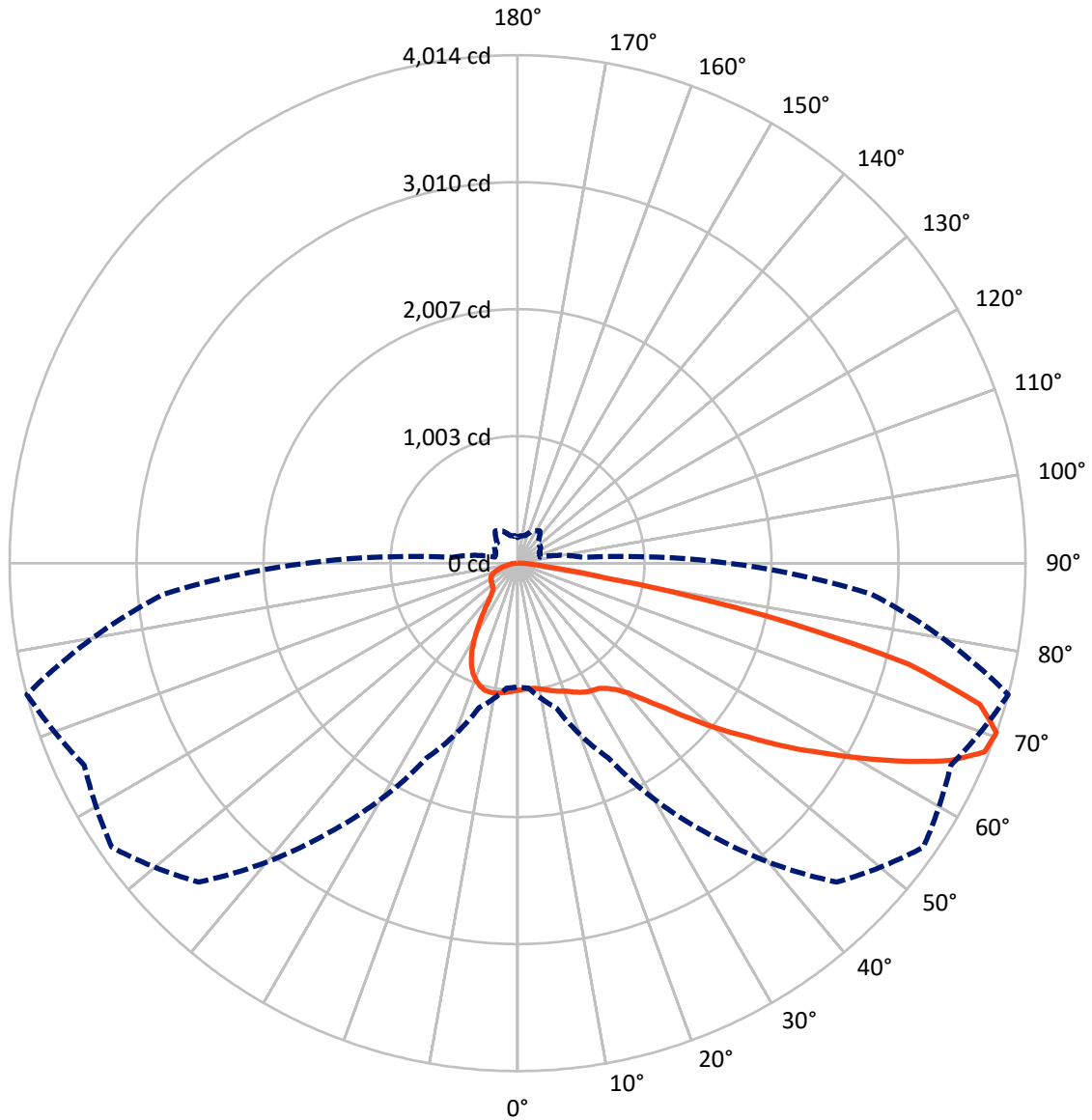
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.6 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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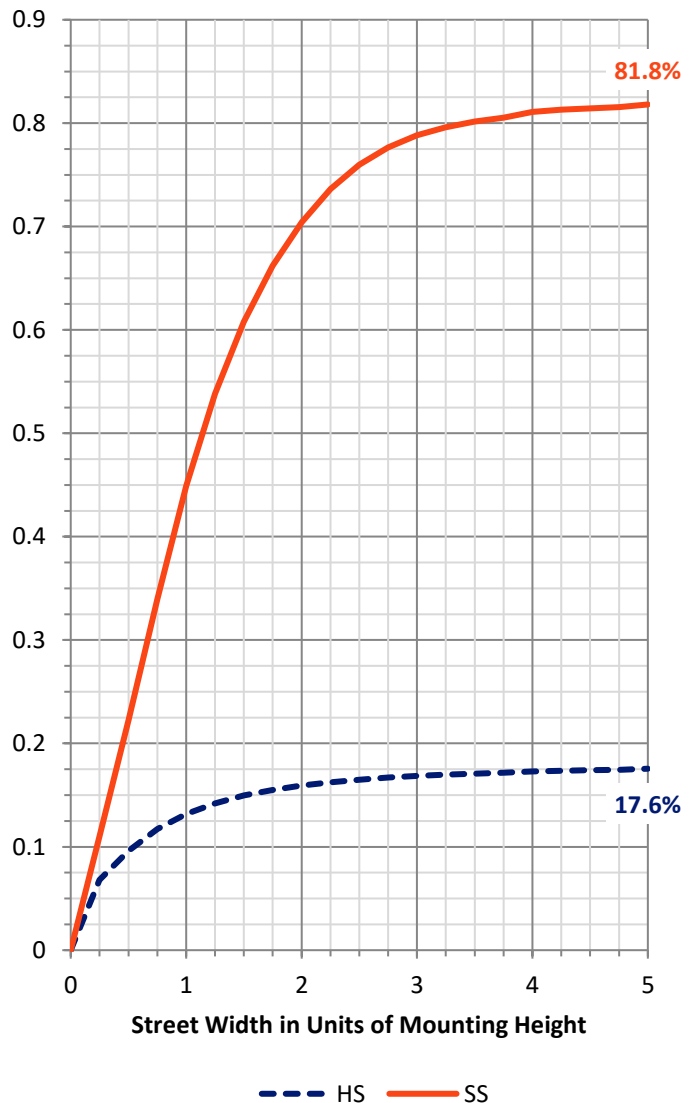
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1078.8	0.0	1078.8
	% Fixture	17.8	0.0	17.8
<b>Street Side</b>	Lumens	4984.9	0.0	4984.9
	% Fixture	82.2	0.0	82.2
<b>Total</b>	Lumens	6063.7	0.0	6063.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.2	1.5
10°-20°	240.8	4.0
20°-30°	405.7	6.7
30°-40°	616.2	10.2
40°-50°	882.8	14.6
50°-60°	1170.4	19.3
60°-70°	1464.7	24.2
70°-80°	1069.6	17.6
80°-90°	123.3	2.0
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°	6063.7	100.0
0°-180°	6063.7	100.0



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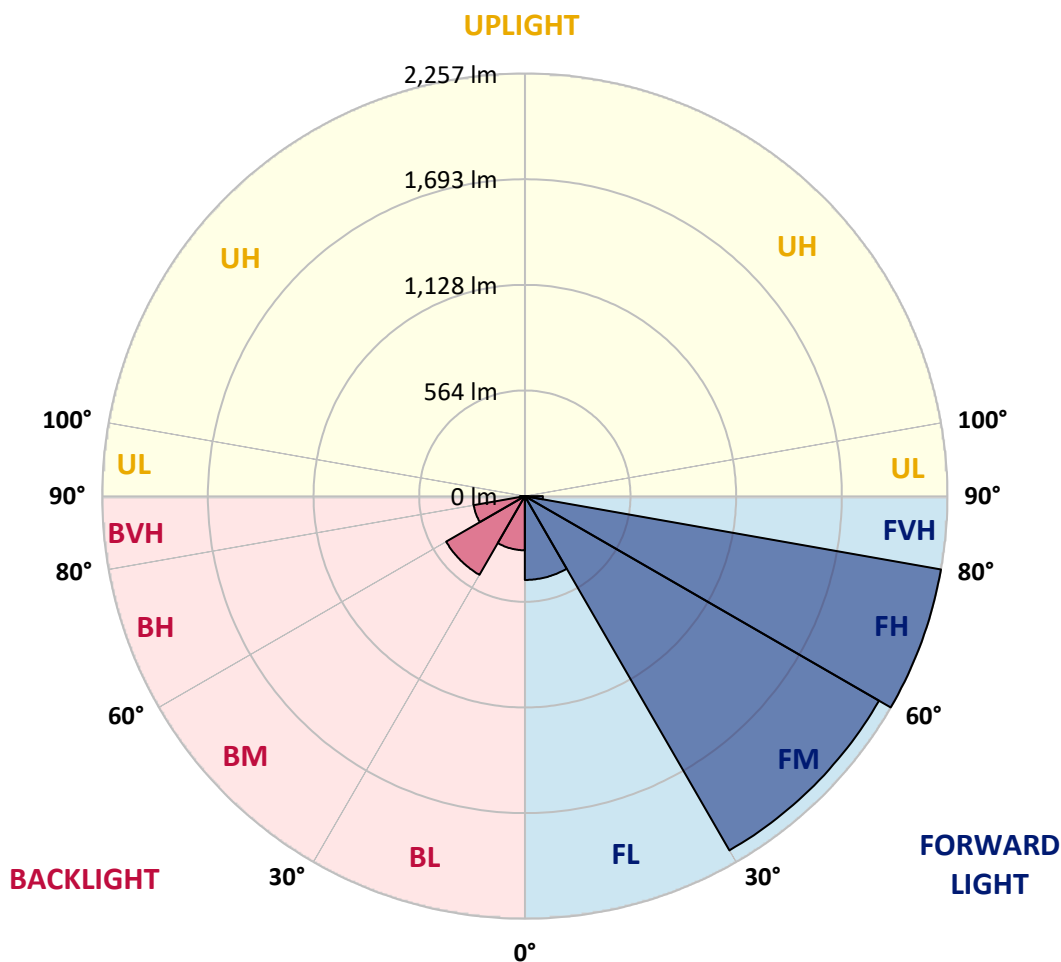
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	447.5	7.4			
FM (30°-60°)	2184.4	36.0			
FH (60°-80°)	2256.7	37.2			G2/5000
FVH (80°-90°)	96.2	1.6			G1/100
BL (0°-30°)	289.2	4.8	B1/500		
BM (30°-60°)	485.0	8.0	B1/1000		
BH (60°-80°)	277.5	4.6	B1/500		G1/500
BVH (80°-90°)	27.1	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4
2.5°	949.4	954.7	959.5	964.3	968.2	978.7	980.9	992.2	995.3	997.9	1001.4
5°	896.2	900.1	904.9	912.8	921.1	939.8	952.9	977.8	991.8	996.1	1008.3
7.5°	867.4	868.7	875.3	881.8	891.4	909.7	927.6	966.5	994.4	999.2	1025.4
10°	846.5	848.2	854.3	863.5	873.1	890.1	912.4	958.6	1004.0	1011.4	1048.5
12.5°	839.1	838.2	845.2	851.3	864.8	886.2	909.3	959.0	1017.1	1027.5	1082.1
15°	868.7	863.1	867.4	865.2	869.6	890.5	918.0	968.6	1033.2	1046.3	1117.0
17.5°	934.2	929.4	926.3	907.6	895.3	907.1	933.3	982.2	1050.2	1064.2	1148.4
20°	1031.9	1018.4	1007.0	975.6	941.6	937.7	956.0	995.7	1066.4	1079.9	1181.6
22.5°	1143.2	1132.3	1113.9	1059.0	1006.2	980.0	984.8	1020.6	1089.9	1104.8	1219.5
25°	1283.7	1283.2	1245.7	1171.5	1091.7	1038.9	1028.9	1060.3	1116.6	1131.0	1250.9
27.5°	1443.8	1432.9	1388.4	1292.8	1192.5	1111.8	1088.2	1100.8	1137.9	1152.8	1276.3
30°	1580.8	1582.1	1536.7	1432.5	1299.8	1182.9	1138.4	1130.1	1151.9	1166.7	1299.8
32.5°	1727.4	1720.0	1678.5	1571.2	1415.9	1259.2	1170.7	1151.0	1166.3	1180.3	1332.5
35°	1865.3	1857.0	1821.2	1705.6	1543.7	1343.4	1214.3	1183.7	1200.3	1215.6	1372.7
37.5°	1996.6	1997.9	1957.4	1847.0	1667.6	1442.9	1278.9	1233.1	1250.9	1268.0	1433.8
40°	2111.4	2104.8	2073.4	1973.9	1796.3	1544.2	1351.7	1300.2	1335.2	1350.9	1511.0
42.5°	2148.0	2147.6	2159.8	2098.7	1931.6	1664.6	1442.5	1405.0	1454.3	1477.8	1605.7
45°	2116.2	2125.8	2196.5	2194.7	2066.9	1802.9	1566.4	1532.4	1603.5	1630.1	1721.3
47.5°	2084.8	2099.2	2195.2	2249.7	2188.2	1955.2	1718.7	1693.4	1795.5	1833.9	1841.3
50°	2038.9	2052.5	2166.8	2257.5	2262.3	2109.2	1915.9	1884.1	2015.4	2054.7	1971.8
52.5°	1987.9	1998.4	2116.6	2251.9	2297.7	2229.6	2109.2	2100.0	2251.0	2282.9	2104.4
55°	1706.0	1750.5	2042.9	2239.7	2322.1	2321.7	2297.3	2327.4	2508.0	2555.6	2252.3
57.5°	1544.2	1567.7	1835.2	2232.7	2367.9	2406.8	2491.4	2556.0	2782.4	2825.2	2415.5
60°	1491.4	1512.3	1730.9	2224.4	2459.1	2539.8	2681.2	2785.9	3077.4	3129.8	2597.9
62.5°	1443.4	1468.7	1688.6	2158.5	2569.5	2750.6	2907.7	3034.6	3388.5	3450.5	2779.4
65°	1345.6	1363.5	1610.9	2103.1	2674.2	3051.2	3234.5	3308.7	3690.0	3759.8	2899.8
67.5°	1176.8	1193.8	1435.9	1975.7	2742.3	3364.1	3591.8	3592.3	3923.0	3980.2	2925.1
70°	978.2	991.3	1183.7	1698.2	2600.5	3564.8	3914.3	3777.7	3988.9	4013.8	2804.7
72.5°	699.4	710.8	867.0	1255.3	2132.3	3402.0	3987.6	3769.8	3829.2	3821.3	2462.2
75°	431.1	452.9	531.0	766.2	1325.1	2676.9	3588.8	3416.0	3215.3	3193.5	1853.9
77.5°	281.0	292.3	359.1	452.0	584.7	1536.7	2725.7	2561.2	2030.2	2004.9	996.6
80°	168.9	187.6	235.2	284.0	264.8	587.7	1556.4	1272.3	717.3	709.5	306.3
82.5°	90.8	107.8	165.8	175.8	148.8	207.7	563.7	413.6	229.5	226.9	114.8
85°	72.0	80.3	119.1	111.3	84.2	105.2	219.9	172.3	117.8	115.2	43.2
87.5°	43.6	55.0	90.3	75.0	41.9	38.0	100.8	81.6	55.4	51.5	17.0
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°	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4	1004.4
2.5°	1007.9	1010.1	1012.3	1007.9	1009.7	1007.5	1007.5	1007.5	1001.8	1000.1	1005.3
5°	1017.5	1020.6	1022.3	1008.8	1000.5	988.3	978.2	963.0	954.2	948.6	948.6
7.5°	1037.1	1040.6	1032.8	1002.7	973.4	940.7	907.1	879.2	859.1	850.4	853.0
10°	1065.9	1067.3	1041.1	985.7	923.3	862.6	815.1	778.0	753.1	740.4	738.7
12.5°	1099.5	1093.9	1042.8	948.1	855.6	774.0	716.0	668.0	636.2	623.9	617.8
15°	1132.7	1119.2	1036.3	903.2	778.8	680.7	606.5	561.1	541.5	535.8	533.6
17.5°	1162.4	1137.1	1014.5	838.6	689.8	571.6	517.0	500.9	503.1	508.3	510.5
20°	1189.4	1150.6	983.0	761.8	578.6	486.5	473.0	487.8	500.0	507.9	509.2
22.5°	1219.1	1163.7	939.4	668.4	487.4	447.2	463.4	480.4	492.6	500.5	501.8
25°	1241.8	1163.2	877.9	557.6	429.8	436.8	456.0	471.2	480.4	486.1	485.6
27.5°	1256.2	1152.8	797.2	466.4	407.1	429.3	447.7	457.7	462.9	467.3	466.9
30°	1260.5	1132.7	695.5	399.2	396.6	422.4	436.3	442.4	446.4	450.7	450.7
32.5°	1269.3	1101.7	583.4	361.7	388.8	415.4	423.7	428.5	425.4	414.5	412.3
35°	1278.9	1067.3	477.3	344.3	381.3	410.6	418.4	405.8	372.6	368.3	366.5
37.5°	1297.6	1035.4	387.5	332.0	379.6	413.2	419.7	369.1	341.2	327.7	325.5
40°	1329.5	1003.5	327.2	323.3	381.8	424.5	402.3	351.7	305.4	279.7	275.3
42.5°	1371.4	964.7	293.2	319.0	387.9	442.9	396.2	326.8	276.2	258.7	256.1
45°	1419.8	913.2	277.1	318.1	395.3	452.0	397.9	306.7	263.1	249.6	248.7
47.5°	1470.0	862.6	270.1	317.2	404.5	448.1	373.9	300.6	257.9	253.9	256.6
50°	1524.1	805.0	264.4	315.0	411.9	448.1	360.8	299.3	259.6	268.3	277.1
52.5°	1574.7	756.6	257.9	308.5	414.9	440.3	356.9	304.1	262.2	260.0	262.7
55°	1636.2	731.7	254.4	299.3	409.3	416.3	352.1	317.2	264.4	246.5	246.5
57.5°	1706.5	726.5	249.1	287.1	390.9	383.1	351.7	325.1	258.7	242.2	239.1
60°	1791.1	737.8	242.6	271.8	368.7	357.4	348.6	325.1	249.6	234.7	236.1
62.5°	1859.6	736.5	238.7	258.3	339.0	330.7	343.0	320.7	246.1	233.9	233.4
65°	1875.8	708.6	227.3	240.9	302.4	298.4	336.8	309.8	241.3	229.1	225.6
67.5°	1821.2	645.3	210.3	217.7	263.5	264.0	325.9	295.4	234.7	226.5	220.8
70°	1666.3	521.8	185.0	189.8	221.7	227.3	309.8	278.4	223.8	215.1	201.6
72.5°	1394.5	375.2	155.8	157.1	176.3	191.1	281.9	255.3	207.7	187.2	172.8
75°	1032.3	249.1	127.0	125.2	132.2	155.3	240.9	229.5	186.7	155.3	147.9
77.5°	545.8	147.5	97.7	98.2	93.8	119.1	191.1	199.4	165.8	130.9	123.5
80°	186.7	88.6	70.2	73.3	66.3	85.1	141.8	165.8	141.8	109.1	96.4
82.5°	85.5	54.1	50.2	52.4	47.6	57.6	97.3	125.7	113.0	79.4	64.1
85°	43.2	32.3	32.3	35.3	31.4	29.7	53.7	83.3	82.9	54.5	47.1
87.5°	17.9	15.7	14.8	17.0	14.8	11.3	15.3	30.1	43.6	32.7	20.9
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)