

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: P672236

Luminaire Tested: **CCP-SA-1E-730-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672236
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-730-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T3R distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

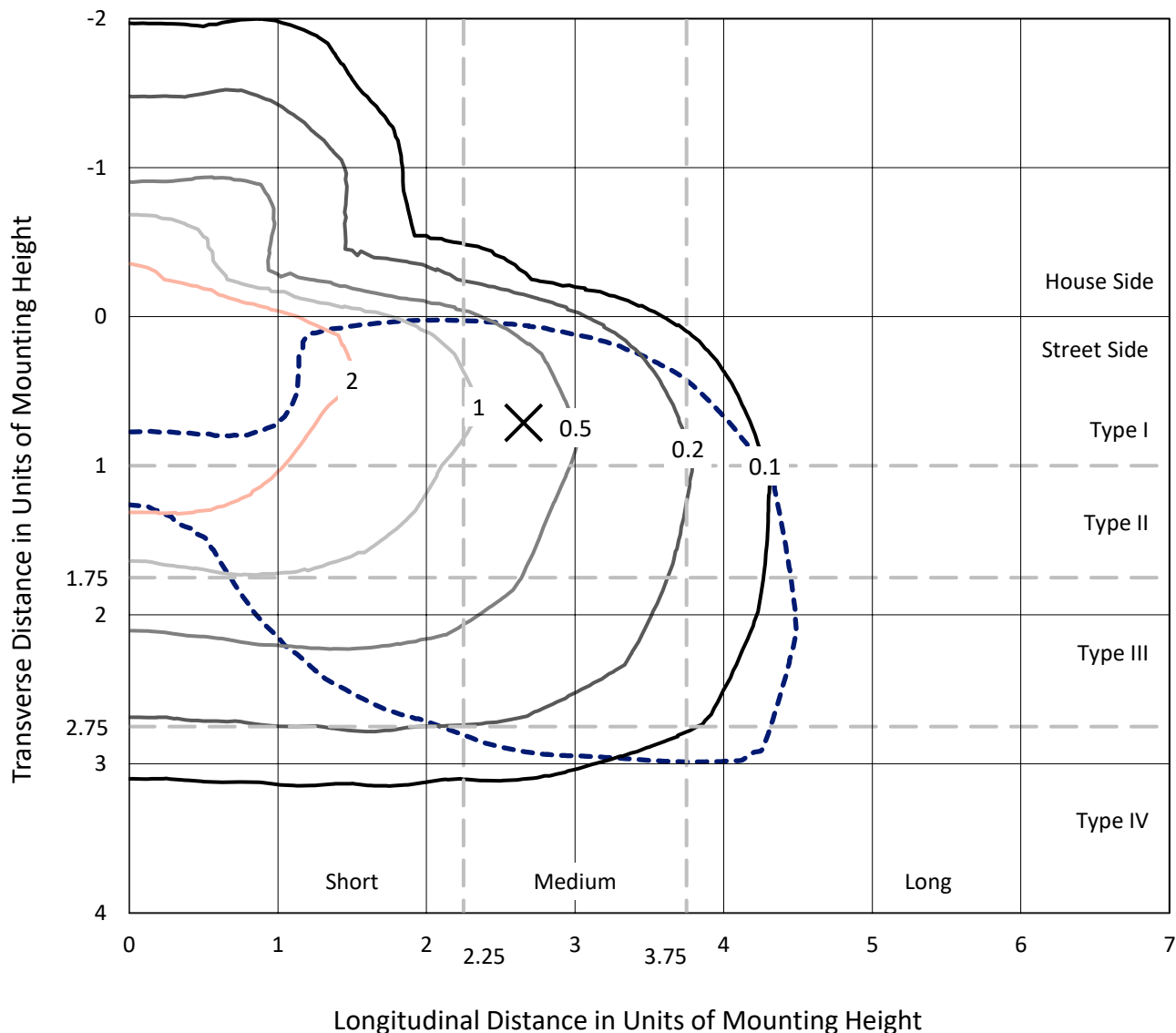
Lumens per Lamp: N/A
Luminaire Lumens: 6327.7 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (A_{in}): 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

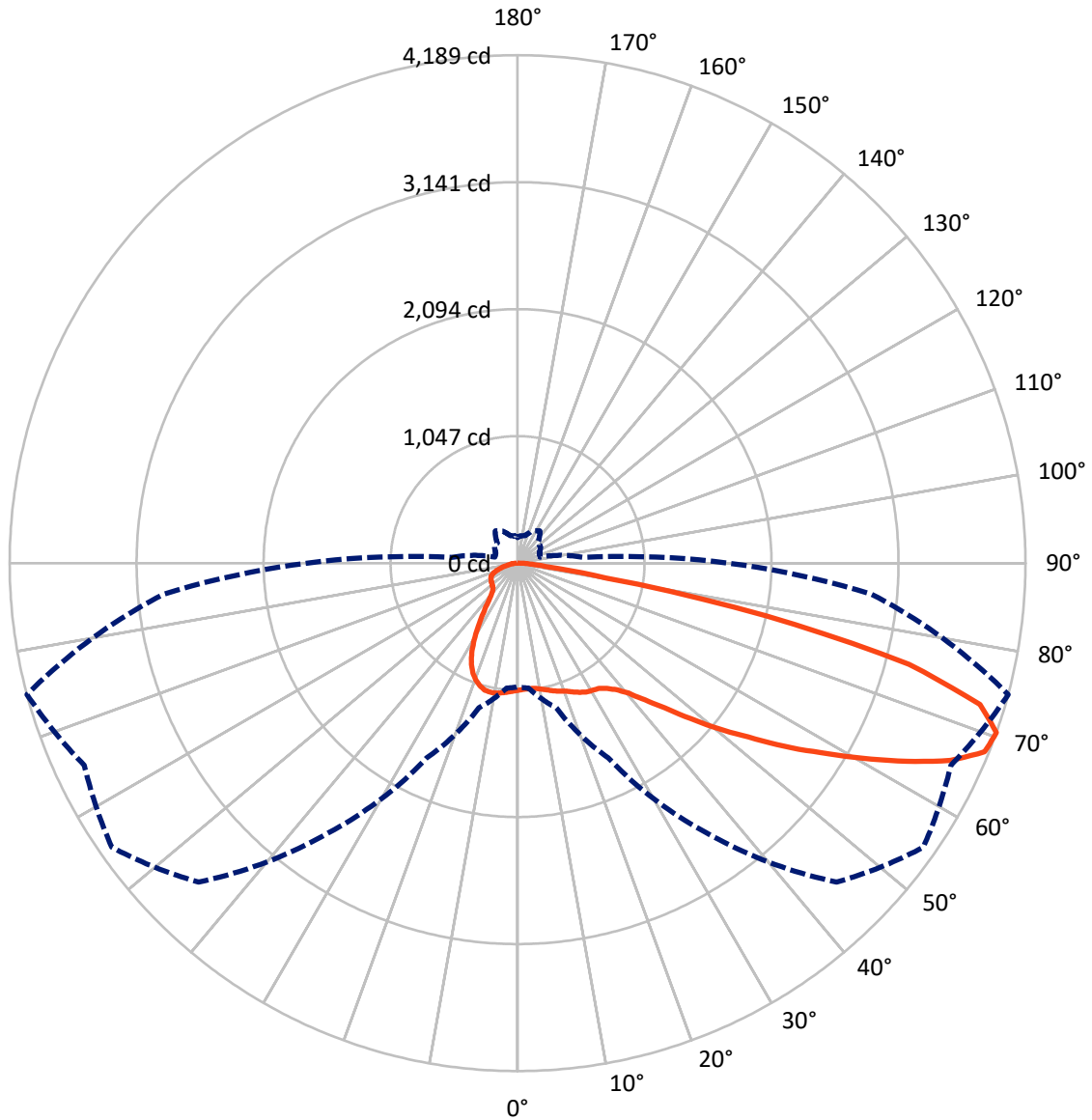
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.8 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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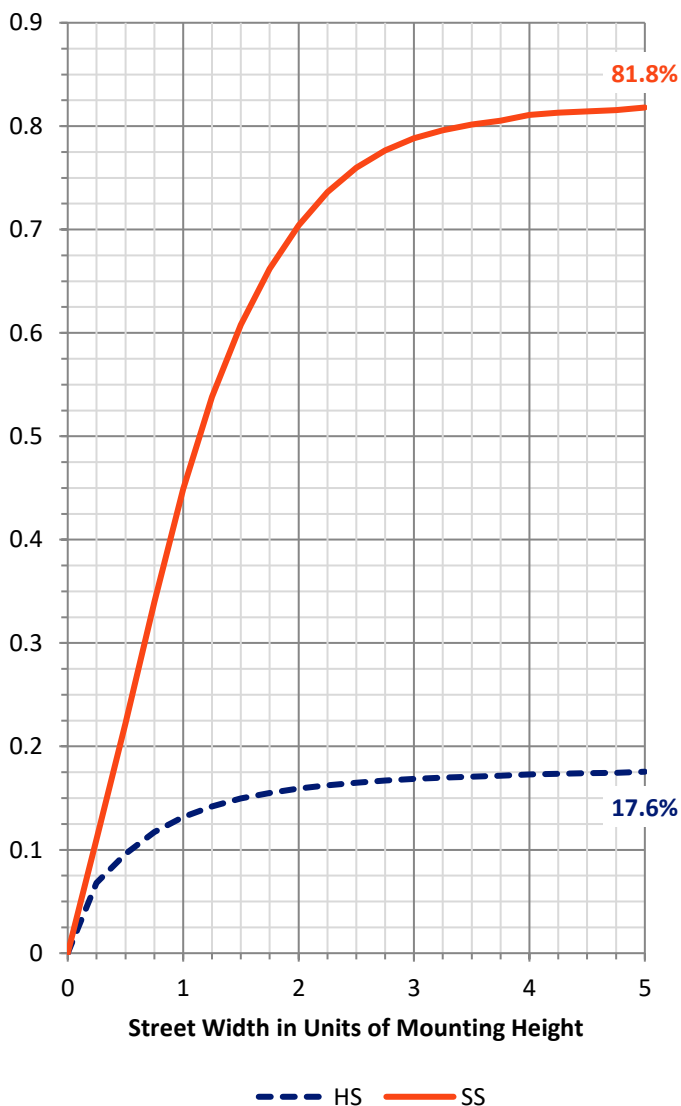
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1125.8	0.0	1125.8
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	5202.0	0.0	5202.0
	% Fixture	82.2	0.0	82.2
Total	Lumens	6327.7	0.0	6327.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.1	1.5
10°-20°	251.3	4.0
20°-30°	423.4	6.7
30°-40°	643.0	10.2
40°-50°	921.2	14.6
50°-60°	1221.4	19.3
60°-70°	1528.5	24.2
70°-80°	1116.1	17.6
80°-90°	128.7	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°	6327.7	100.0
0°-180°	6327.7	100.0



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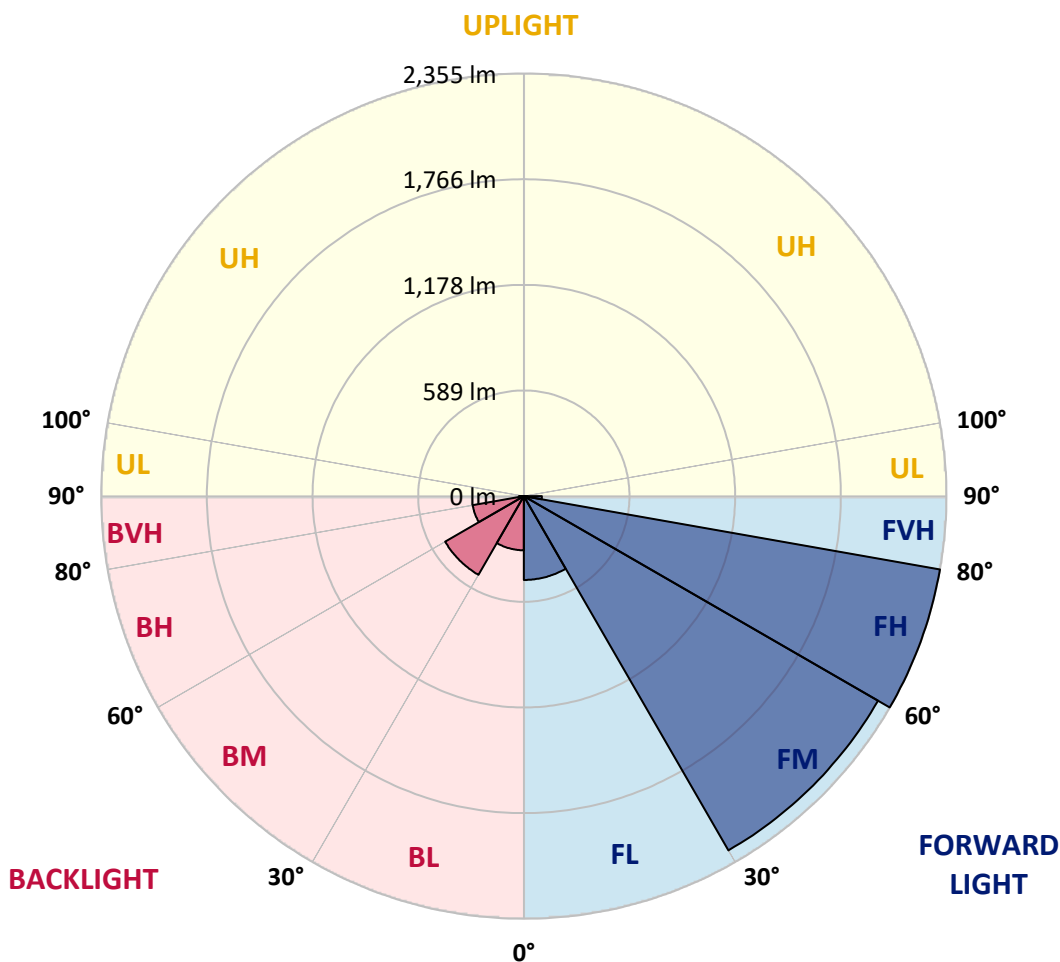
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	467.0	7.4			
FM (30°-60°)	2279.5	36.0			
FH (60°-80°)	2355.0	37.2			G2/5000
FVH (80°-90°)	100.4	1.6			G2/225
BL (0°-30°)	301.8	4.8	B1/500		
BM (30°-60°)	506.2	8.0	B1/1000		
BH (60°-80°)	289.6	4.6	B1/500		G1/500
BVH (80°-90°)	28.3	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°	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2
2.5°	990.8	996.3	1001.3	1006.3	1010.4	1021.3	1023.6	1035.4	1038.6	1041.3	1045.0
5°	935.2	939.3	944.3	952.5	961.2	980.8	994.4	1020.4	1035.0	1039.5	1052.3
7.5°	905.2	906.6	913.4	920.2	930.2	949.4	968.0	1008.5	1037.7	1042.7	1070.0
10°	883.3	885.2	891.5	901.1	911.1	928.9	952.1	1000.4	1047.7	1055.4	1094.1
12.5°	875.6	874.7	882.0	888.3	902.5	924.8	948.9	1000.8	1061.4	1072.3	1129.2
15°	906.6	900.6	905.2	902.9	907.5	929.3	958.0	1010.8	1078.2	1091.9	1165.6
17.5°	974.9	969.8	966.7	947.1	934.3	946.6	973.9	1024.9	1096.0	1110.5	1198.4
20°	1076.8	1062.7	1050.9	1018.1	982.6	978.5	997.6	1039.1	1112.8	1126.9	1233.0
22.5°	1193.0	1181.6	1162.4	1105.1	1050.0	1022.7	1027.7	1065.0	1137.4	1152.9	1272.6
25°	1339.6	1339.1	1300.0	1222.6	1139.2	1084.1	1073.7	1106.4	1165.2	1180.2	1305.4
27.5°	1506.7	1495.3	1448.8	1349.1	1244.4	1160.2	1135.6	1148.8	1187.5	1203.0	1331.8
30°	1649.6	1651.0	1603.7	1494.8	1356.4	1234.4	1187.9	1179.3	1202.1	1217.5	1356.4
32.5°	1802.6	1794.9	1751.6	1639.6	1477.5	1314.1	1221.6	1201.2	1217.1	1231.7	1390.6
35°	1946.5	1937.9	1900.5	1779.9	1610.9	1401.9	1267.2	1235.3	1252.6	1268.5	1432.5
37.5°	2083.6	2084.9	2042.6	1927.4	1740.3	1505.8	1334.6	1286.8	1305.4	1323.2	1496.2
40°	2203.3	2196.5	2163.7	2059.9	1874.6	1611.4	1410.6	1356.9	1393.3	1409.7	1576.8
42.5°	2241.6	2241.1	2253.9	2190.1	2015.7	1737.1	1505.3	1466.1	1517.6	1542.2	1675.6
45°	2208.3	2218.3	2292.1	2290.3	2156.9	1881.4	1634.6	1599.1	1673.3	1701.1	1796.3
47.5°	2175.5	2190.6	2290.7	2347.7	2283.5	2040.3	1793.5	1767.1	1873.7	1913.7	1921.5
50°	2127.7	2141.9	2261.1	2355.9	2360.9	2201.0	1999.3	1966.1	2103.2	2144.1	2057.6
52.5°	2074.5	2085.4	2208.8	2349.9	2397.7	2326.7	2201.0	2191.5	2349.0	2382.3	2196.0
55°	1780.3	1826.8	2131.8	2337.2	2423.2	2422.8	2397.3	2428.7	2617.2	2666.8	2350.4
57.5°	1611.4	1636.0	1915.1	2329.9	2471.1	2511.6	2599.9	2667.3	2903.6	2948.2	2520.7
60°	1556.3	1578.2	1806.3	2321.3	2566.2	2650.5	2798.0	2907.3	3211.4	3266.1	2711.0
62.5°	1506.2	1532.6	1762.1	2252.5	2681.4	2870.4	3034.3	3166.8	3536.1	3600.7	2900.4
65°	1404.2	1422.9	1681.1	2194.7	2790.7	3184.1	3375.3	3452.7	3850.7	3923.5	3026.1
67.5°	1228.0	1245.8	1498.5	2061.7	2861.7	3510.6	3748.2	3748.7	4093.8	4153.5	3052.5
70°	1020.8	1034.5	1235.3	1772.1	2713.7	3720.0	4084.7	3942.2	4162.6	4188.5	2926.8
72.5°	729.9	741.7	904.7	1310.0	2225.2	3550.2	4161.2	3934.0	3995.9	3987.7	2569.4
75°	449.9	472.6	554.1	799.6	1382.8	2793.4	3745.1	3564.7	3355.3	3332.5	1934.7
77.5°	293.2	305.1	374.7	471.7	610.1	1603.7	2844.4	2672.8	2118.6	2092.2	1040.0
80°	176.2	195.8	245.4	296.4	276.4	613.3	1624.1	1327.7	748.6	740.4	319.6
82.5°	94.7	112.5	173.0	183.5	155.3	216.7	588.3	431.6	239.5	236.8	119.8
85°	75.1	83.8	124.3	116.1	87.9	109.7	229.5	179.9	122.9	120.2	45.1
87.5°	45.5	57.4	94.3	78.3	43.7	39.6	105.2	85.1	57.8	53.7	17.8
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°	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2	1048.2
2.5°	1051.8	1054.1	1056.4	1051.8	1053.6	1051.3	1051.3	1051.3	1045.4	1043.6	1049.1
5°	1061.8	1065.0	1066.8	1052.7	1044.1	1031.3	1020.8	1004.9	995.8	989.9	989.9
7.5°	1082.3	1086.0	1077.8	1046.3	1015.8	981.7	946.6	917.5	896.5	887.4	890.2
10°	1112.4	1113.7	1086.4	1028.6	963.5	900.2	850.5	811.8	785.9	772.7	770.9
12.5°	1147.4	1141.5	1088.2	989.4	892.9	807.7	747.2	697.1	663.9	651.1	644.7
15°	1182.0	1167.9	1081.4	942.5	812.8	710.3	632.9	585.5	565.1	559.1	556.9
17.5°	1213.0	1186.6	1058.6	875.1	719.9	596.5	539.6	522.7	525.0	530.5	532.7
20°	1241.2	1200.7	1025.8	795.0	603.8	507.7	493.6	509.1	521.8	530.0	531.4
22.5°	1272.2	1214.4	980.3	697.6	508.6	466.7	483.6	501.3	514.1	522.3	523.6
25°	1295.9	1213.9	916.1	581.9	448.5	455.8	475.8	491.8	501.3	507.2	506.8
27.5°	1310.9	1203.0	831.9	486.7	424.8	448.0	467.2	477.6	483.1	487.7	487.2
30°	1315.4	1182.0	725.8	416.6	413.9	440.8	455.3	461.7	465.8	470.4	470.4
32.5°	1324.5	1149.7	608.8	377.5	405.7	433.5	442.1	447.1	443.9	432.6	430.3
35°	1334.6	1113.7	498.1	359.3	398.0	428.5	436.7	423.5	388.8	384.3	382.5
37.5°	1354.1	1080.5	404.3	346.5	396.1	431.2	438.0	385.2	356.1	341.9	339.7
40°	1387.4	1047.2	341.5	337.4	398.4	443.0	419.8	367.0	318.7	291.9	287.3
42.5°	1431.1	1006.7	306.0	332.8	404.8	462.2	413.4	341.0	288.2	270.0	267.3
45°	1481.6	953.0	289.1	331.9	412.5	471.7	415.3	320.1	274.6	260.4	259.5
47.5°	1534.0	900.2	281.8	331.0	422.1	467.6	390.2	313.7	269.1	265.0	267.7
50°	1590.5	840.1	275.9	328.7	429.8	467.6	376.6	312.4	270.9	280.0	289.1
52.5°	1643.3	789.5	269.1	321.9	433.0	459.4	372.5	317.4	273.7	271.4	274.1
55°	1707.5	763.6	265.5	312.4	427.1	434.4	367.4	331.0	275.9	257.3	257.3
57.5°	1780.8	758.1	260.0	299.6	408.0	399.8	367.0	339.2	270.0	252.7	249.5
60°	1869.1	770.0	253.2	283.7	384.8	372.9	363.8	339.2	260.4	245.0	246.3
62.5°	1940.6	768.6	249.1	269.6	353.8	345.1	357.9	334.7	256.8	244.1	243.6
65°	1957.4	739.4	237.2	251.3	315.5	311.4	351.5	323.3	251.8	239.0	235.4
67.5°	1900.5	673.4	219.5	227.2	275.0	275.5	340.1	308.3	245.0	236.3	230.4
70°	1738.9	544.6	193.1	198.1	231.3	237.2	323.3	290.5	233.6	224.5	210.4
72.5°	1455.2	391.6	162.6	163.9	184.0	199.4	294.1	266.4	216.7	195.3	180.3
75°	1077.3	260.0	132.5	130.7	138.0	162.1	251.3	239.5	194.9	162.1	154.4
77.5°	569.6	153.9	102.0	102.4	97.9	124.3	199.4	208.1	173.0	136.6	128.9
80°	194.9	92.4	73.3	76.5	69.2	88.8	148.0	173.0	148.0	113.8	100.6
82.5°	89.2	56.5	52.4	54.6	49.6	60.1	101.5	131.1	117.9	82.9	66.9
85°	45.1	33.7	33.7	36.9	32.8	31.0	56.0	87.0	86.5	56.9	49.2
87.5°	18.7	16.4	15.5	17.8	15.5	11.8	15.9	31.4	45.5	34.1	21.9
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)