

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: P672306

Luminaire Tested: **CCP-SA-2C-830-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672306
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-830-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T3R distribution lens
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7302 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

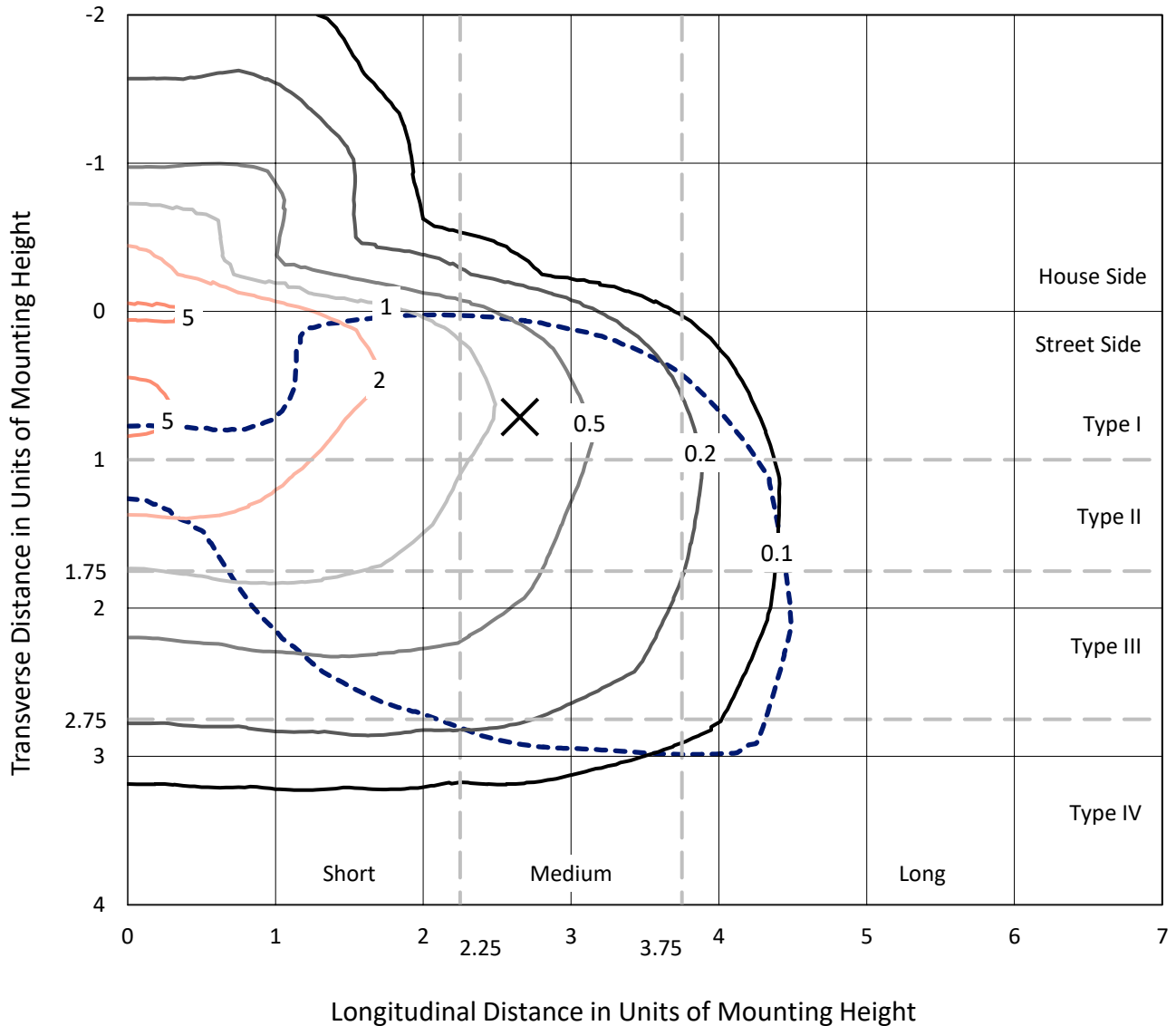
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

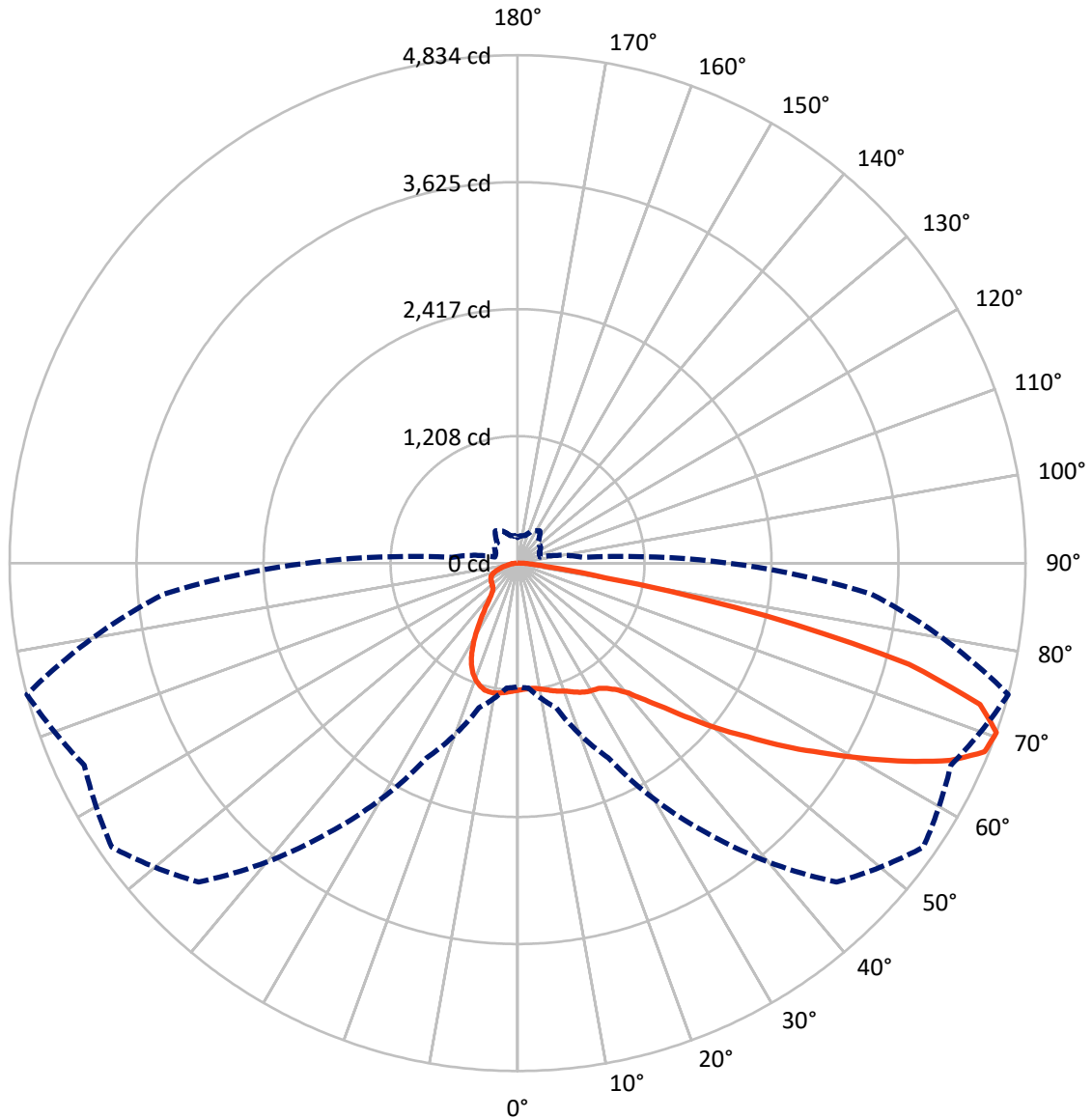
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 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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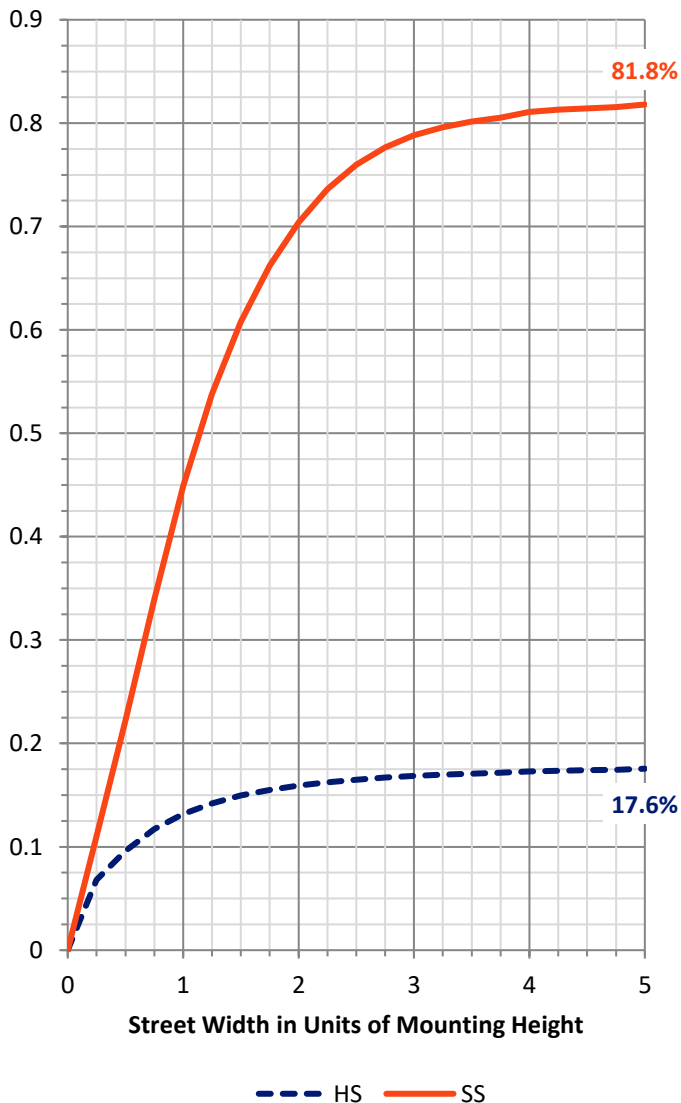
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1299.1	0.0	1299.1
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	6002.9	0.0	6002.9
	% Fixture	82.2	0.0	82.2
Total	Lumens	7302.0	0.0	7302.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.6	1.5
10°-20°	290.0	4.0
20°-30°	488.6	6.7
30°-40°	742.0	10.2
40°-50°	1063.1	14.6
50°-60°	1409.4	19.3
60°-70°	1763.8	24.2
70°-80°	1288.0	17.6
80°-90°	148.5	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°	7302.0	100.0
0°-180°	7302.0	100.0



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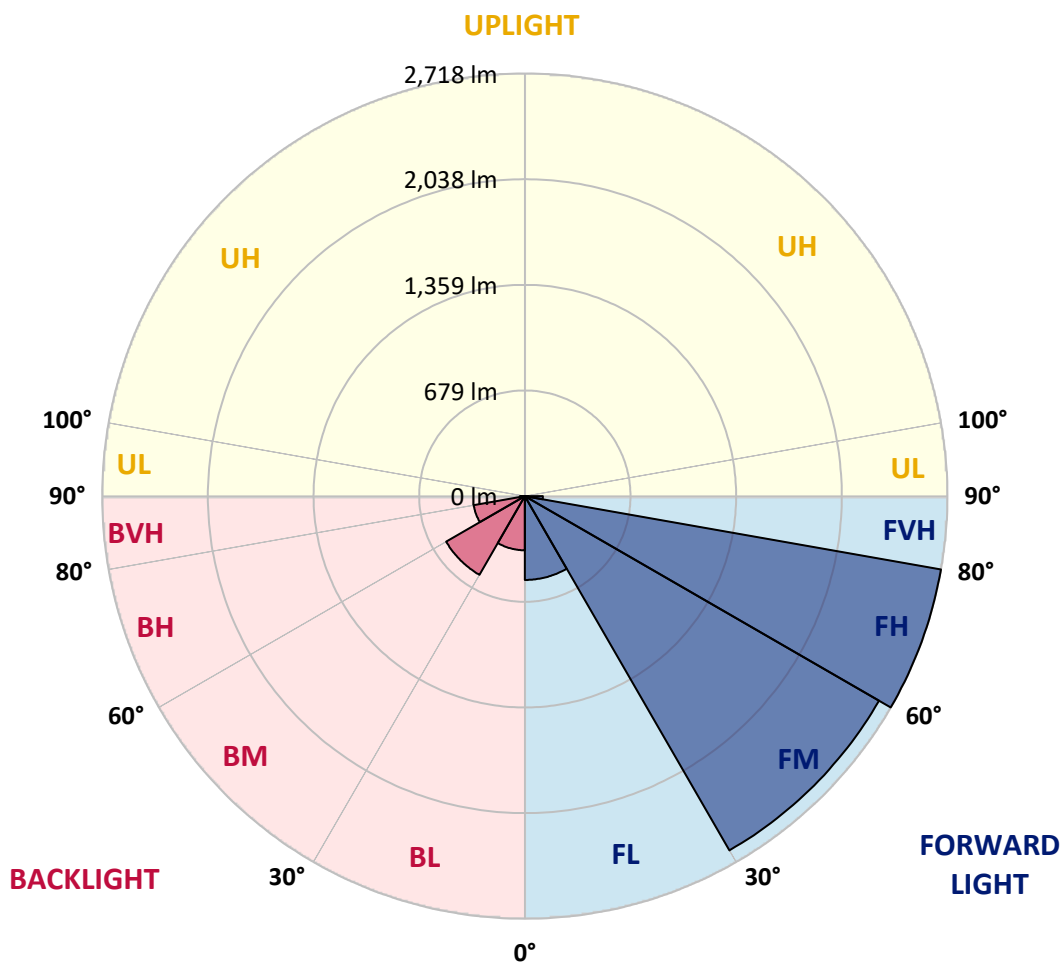
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	538.9	7.4			
FM (30°-60°)	2630.4	36.0			
FH (60°-80°)	2717.6	37.2			G2/5000
FVH (80°-90°)	115.9	1.6			G2/225
BL (0°-30°)	348.2	4.8	B1/500		
BM (30°-60°)	584.1	8.0	B1/1000		
BH (60°-80°)	334.2	4.6	B1/500		G1/500
BVH (80°-90°)	32.6	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°	1209.5	1209.5	1209.5	1209.5	1209.5	1209.5	1209.5	1209.5	1209.5	1209.5	1209.5
2.5°	1143.3	1149.6	1155.4	1161.2	1165.9	1178.5	1181.2	1194.8	1198.5	1201.7	1205.9
5°	1079.2	1084.0	1089.7	1099.2	1109.2	1131.8	1147.5	1177.5	1194.3	1199.6	1214.3
7.5°	1044.6	1046.1	1054.0	1061.9	1073.5	1095.5	1117.1	1163.8	1197.5	1203.2	1234.8
10°	1019.3	1021.4	1028.8	1039.8	1051.4	1071.9	1098.7	1154.4	1209.0	1218.0	1262.6
12.5°	1010.4	1009.4	1017.8	1025.1	1041.4	1067.2	1095.0	1154.9	1224.8	1237.4	1303.1
15°	1046.1	1039.3	1044.6	1041.9	1047.2	1072.4	1105.5	1166.5	1244.2	1260.0	1345.1
17.5°	1125.0	1119.2	1115.5	1092.9	1078.2	1092.4	1123.9	1182.7	1264.7	1281.5	1382.9
20°	1242.6	1226.4	1212.7	1174.9	1133.9	1129.2	1151.2	1199.0	1284.2	1300.4	1422.9
22.5°	1376.6	1363.5	1341.4	1275.2	1211.6	1180.1	1185.9	1229.0	1312.5	1330.4	1468.6
25°	1545.8	1545.3	1500.1	1410.8	1314.6	1251.1	1239.0	1276.8	1344.6	1361.9	1506.4
27.5°	1738.7	1725.5	1671.9	1556.9	1436.0	1338.8	1310.4	1325.7	1370.3	1388.2	1536.9
30°	1903.6	1905.2	1850.6	1725.0	1565.3	1424.4	1370.9	1360.9	1387.1	1405.0	1565.3
32.5°	2080.2	2071.3	2021.3	1892.1	1705.0	1516.4	1409.7	1386.1	1404.5	1421.3	1604.7
35°	2246.2	2236.2	2193.2	2053.9	1859.0	1617.8	1462.3	1425.5	1445.5	1463.9	1653.0
37.5°	2404.4	2406.0	2357.1	2224.2	2008.2	1737.6	1540.0	1484.9	1506.4	1526.9	1726.6
40°	2542.6	2534.7	2496.9	2377.1	2163.2	1859.5	1627.8	1565.8	1607.8	1626.7	1819.6
42.5°	2586.7	2586.2	2600.9	2527.3	2326.1	2004.5	1737.1	1691.9	1751.3	1779.6	1933.6
45°	2548.4	2559.9	2645.0	2642.9	2489.0	2171.1	1886.3	1845.3	1931.0	1963.0	2072.8
47.5°	2510.5	2527.9	2643.5	2709.1	2635.0	2354.5	2069.7	2039.2	2162.2	2208.4	2217.3
50°	2455.3	2471.6	2609.3	2718.6	2724.4	2539.9	2307.2	2268.8	2427.0	2474.3	2374.4
52.5°	2393.9	2406.5	2548.9	2711.8	2766.9	2685.0	2539.9	2528.9	2710.7	2749.1	2534.2
55°	2054.4	2108.0	2460.1	2697.0	2796.4	2795.8	2766.4	2802.7	3020.2	3077.5	2712.3
57.5°	1859.5	1887.9	2210.0	2688.6	2851.5	2898.3	3000.2	3078.0	3350.7	3402.2	2908.8
60°	1795.9	1821.2	2084.4	2678.7	2961.3	3058.5	3228.8	3354.9	3705.9	3768.9	3128.4
62.5°	1738.1	1768.6	2033.4	2599.3	3094.3	3312.3	3501.5	3654.4	4080.5	4155.1	3347.0
65°	1620.4	1642.0	1939.9	2532.6	3220.4	3674.4	3895.0	3984.4	4443.6	4527.7	3492.0
67.5°	1417.1	1437.6	1729.2	2379.2	3302.3	4051.1	4325.4	4325.9	4724.2	4793.0	3522.5
70°	1178.0	1193.8	1425.5	2045.0	3131.6	4292.8	4713.7	4549.2	4803.5	4833.5	3377.5
72.5°	842.3	855.9	1044.0	1511.7	2567.8	4096.8	4801.9	4539.7	4611.2	4601.7	2965.0
75°	519.1	545.4	639.5	922.7	1595.7	3223.5	4321.7	4113.6	3871.9	3845.6	2232.6
77.5°	338.4	352.0	432.4	544.3	704.1	1850.6	3282.4	3084.3	2444.8	2414.4	1200.1
80°	203.3	225.9	283.2	342.1	318.9	707.8	1874.2	1532.2	863.8	854.4	368.9
82.5°	109.3	129.8	199.7	211.7	179.2	250.1	678.9	498.1	276.4	273.2	138.2
85°	86.7	96.7	143.4	134.0	101.4	126.6	264.8	207.5	141.9	138.7	52.0
87.5°	52.5	66.2	108.8	90.4	50.4	45.7	121.4	98.3	66.7	62.0	20.5
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°	1209.5	1209.5	1209.5	1209.5	1209.5	1209.5	1209.5	1209.5	1209.5	1209.5	1209.5
2.5°	1213.8	1216.4	1219.0	1213.8	1215.9	1213.2	1213.2	1213.2	1206.4	1204.3	1210.6
5°	1225.3	1229.0	1231.1	1214.8	1204.8	1190.1	1178.0	1159.6	1149.1	1142.3	1142.3
7.5°	1249.0	1253.2	1243.7	1207.4	1172.2	1132.8	1092.4	1058.7	1034.6	1024.1	1027.2
10°	1283.6	1285.2	1253.7	1187.0	1111.8	1038.8	981.5	936.8	906.9	891.7	889.6
12.5°	1324.1	1317.3	1255.8	1141.8	1030.4	932.1	862.2	804.4	766.1	751.4	744.0
15°	1364.0	1347.7	1247.9	1087.6	937.9	819.7	730.4	675.7	652.1	645.2	642.6
17.5°	1399.8	1369.3	1221.6	1009.9	830.7	688.3	622.6	603.2	605.8	612.1	614.8
20°	1432.3	1385.6	1183.8	917.4	696.7	585.9	569.6	587.4	602.1	611.6	613.2
22.5°	1468.1	1401.3	1131.3	805.0	586.9	538.6	558.0	578.5	593.2	602.7	604.2
25°	1495.4	1400.8	1057.2	671.5	517.6	526.0	549.1	567.5	578.5	585.3	584.8
27.5°	1512.7	1388.2	960.0	561.7	490.2	517.0	539.1	551.2	557.5	562.7	562.2
30°	1518.0	1364.0	837.5	480.8	477.6	508.6	525.4	532.8	537.5	542.8	542.8
32.5°	1528.5	1326.7	702.5	435.6	468.2	500.2	510.2	516.0	512.3	499.2	496.5
35°	1540.0	1285.2	574.8	414.6	459.2	494.4	503.9	488.7	448.7	443.5	441.4
37.5°	1562.6	1246.9	466.6	399.9	457.1	497.6	505.5	444.5	410.9	394.6	392.0
40°	1601.0	1208.5	394.1	389.3	459.8	511.2	484.4	423.5	367.8	336.8	331.5
42.5°	1651.4	1161.7	353.1	384.1	467.1	533.3	477.1	393.5	332.6	311.6	308.4
45°	1709.8	1099.7	333.7	383.0	476.0	544.3	479.2	369.4	316.8	300.5	299.5
47.5°	1770.2	1038.8	325.2	382.0	487.1	539.6	450.3	362.0	310.5	305.8	309.0
50°	1835.3	969.4	318.4	379.4	496.0	539.6	434.5	360.4	312.6	323.1	333.7
52.5°	1896.3	911.1	310.5	371.5	499.7	530.2	429.8	366.2	315.8	313.2	316.3
55°	1970.4	881.2	306.3	360.4	492.9	501.3	424.0	382.0	318.4	296.9	296.9
57.5°	2055.0	874.8	300.0	345.7	470.8	461.3	423.5	391.4	311.6	291.6	287.9
60°	2156.9	888.5	292.1	327.3	444.0	430.3	419.8	391.4	300.5	282.7	284.3
62.5°	2239.4	886.9	287.4	311.1	408.3	398.3	413.0	386.2	296.3	281.6	281.1
65°	2258.8	853.3	273.8	290.0	364.1	359.4	405.6	373.1	290.6	275.9	271.6
67.5°	2193.2	777.1	253.3	262.2	317.4	317.9	392.5	355.7	282.7	272.7	265.9
70°	2006.6	628.4	222.8	228.6	266.9	273.8	373.1	335.2	269.5	259.0	242.8
72.5°	1679.3	451.9	187.6	189.2	212.3	230.1	339.4	307.4	250.1	225.4	208.1
75°	1243.2	300.0	152.9	150.8	159.2	187.1	290.0	276.4	224.9	187.1	178.1
77.5°	657.3	177.6	117.7	118.2	113.0	143.4	230.1	240.1	199.7	157.6	148.7
80°	224.9	106.7	84.6	88.3	79.9	102.5	170.8	199.7	170.8	131.4	116.1
82.5°	103.0	65.2	60.4	63.1	57.3	69.4	117.2	151.3	136.1	95.6	77.2
85°	52.0	38.9	38.9	42.6	37.8	35.7	64.6	100.4	99.8	65.7	56.7
87.5°	21.5	18.9	17.9	20.5	17.9	13.7	18.4	36.3	52.5	39.4	25.2
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)