

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: P672339

Luminaire Tested: **CCP-SA-2C-850-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672339
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-850-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T3R distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

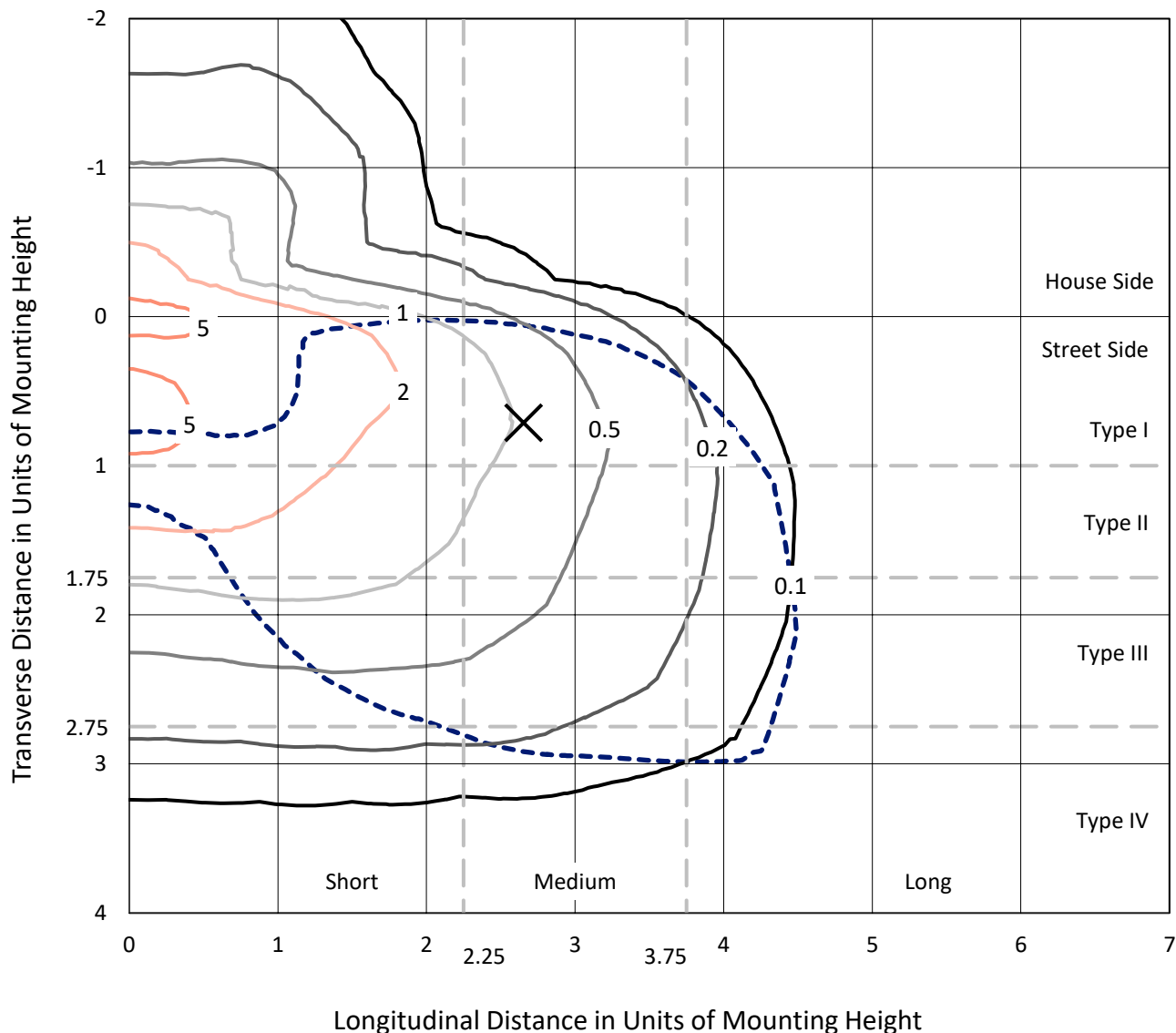
Lumens per Lamp: N/A
Luminaire Lumens: 8018.8 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (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

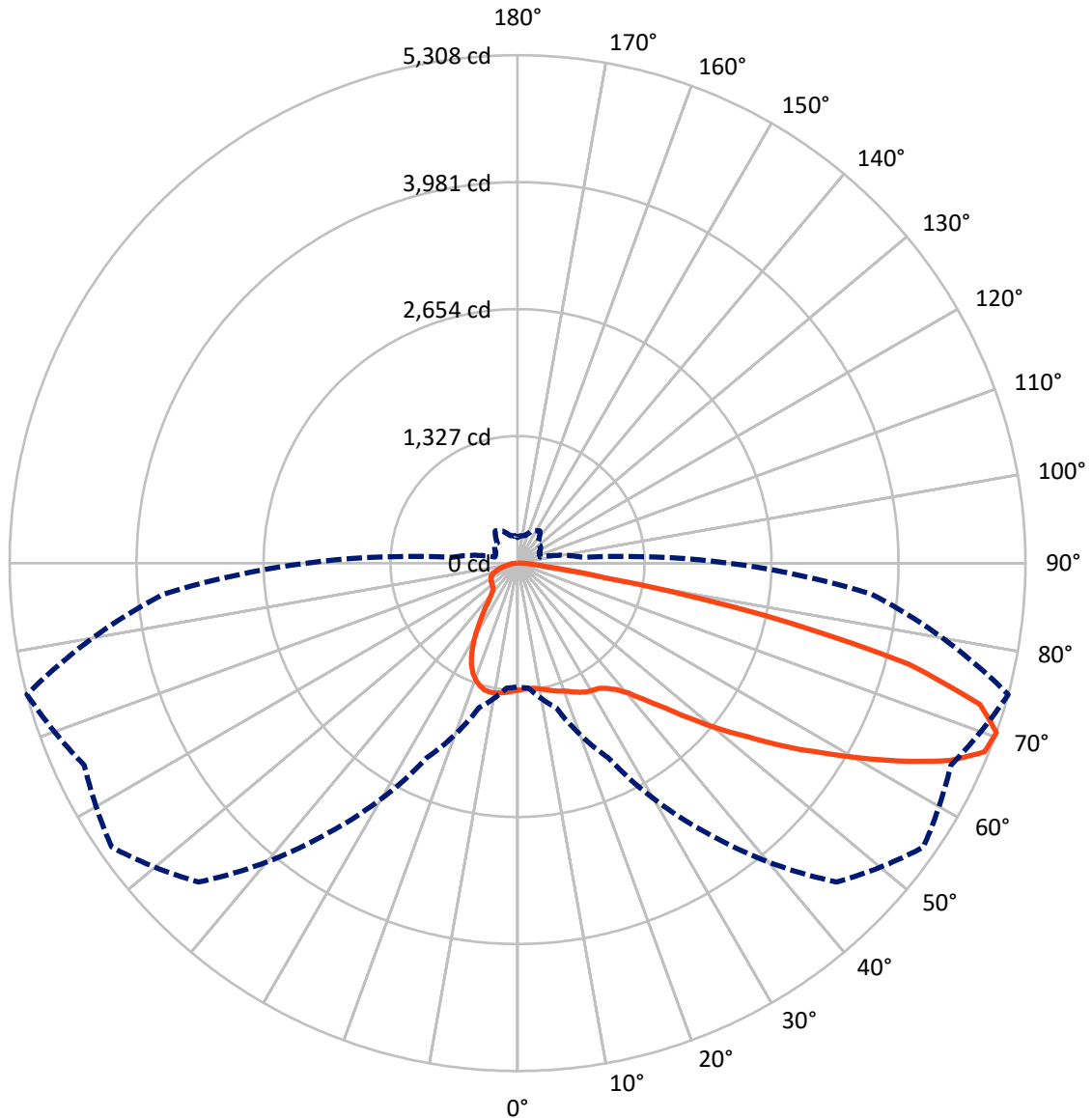
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.1 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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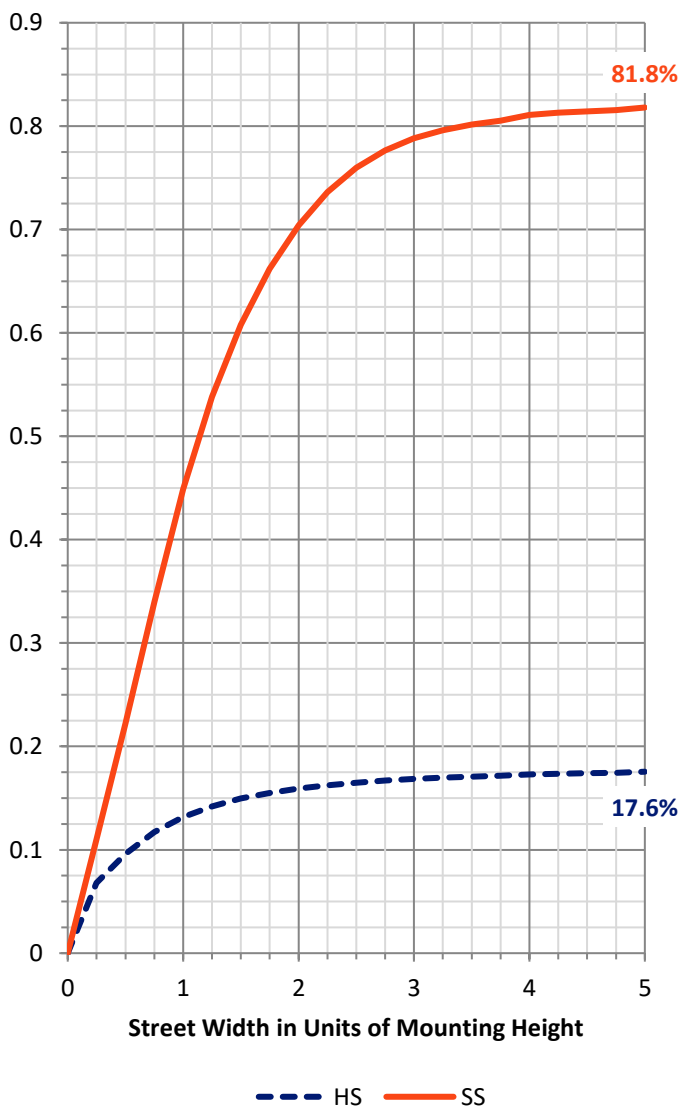
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1426.6	0.0	1426.6
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	6592.2	0.0	6592.2
	% Fixture	82.2	0.0	82.2
Total	Lumens	8018.8	0.0	8018.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.3	1.5
10°-20°	318.4	4.0
20°-30°	536.5	6.7
30°-40°	814.9	10.2
40°-50°	1167.4	14.6
50°-60°	1547.8	19.3
60°-70°	1936.9	24.2
70°-80°	1414.4	17.6
80°-90°	163.1	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°	8018.8	100.0
0°-180°	8018.8	100.0



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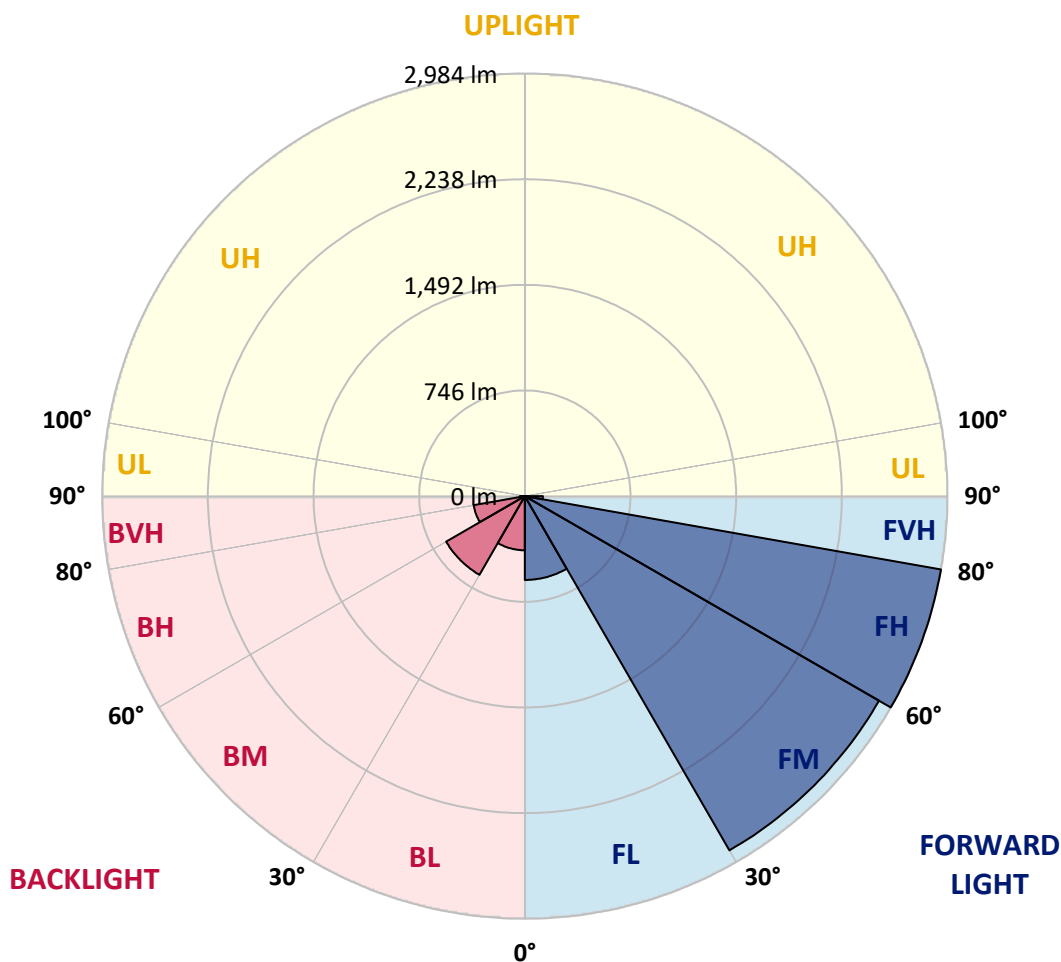
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	591.8	7.4			
FM (30°-60°)	2888.7	36.0			
FH (60°-80°)	2984.4	37.2			G2/5000
FVH (80°-90°)	127.3	1.6			G2/225
BL (0°-30°)	382.4	4.8	B1/500		
BM (30°-60°)	641.4	8.0	B1/1000		
BH (60°-80°)	367.0	4.6	B1/500		G1/500
BVH (80°-90°)	35.8	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°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3
2.5°	1255.6	1262.5	1268.8	1275.2	1280.4	1294.2	1297.1	1312.1	1316.2	1319.6	1324.2
5°	1185.2	1190.4	1196.7	1207.1	1218.1	1242.9	1260.2	1293.1	1311.5	1317.3	1333.5
7.5°	1147.1	1148.8	1157.5	1166.1	1178.8	1203.1	1226.7	1278.1	1315.0	1321.4	1356.0
10°	1119.4	1121.7	1129.8	1141.9	1154.6	1177.1	1206.5	1267.7	1327.7	1337.5	1386.6
12.5°	1109.6	1108.4	1117.7	1125.7	1143.6	1171.9	1202.5	1268.3	1345.0	1358.9	1431.0
15°	1148.8	1141.3	1147.1	1144.2	1150.0	1177.7	1214.0	1281.0	1366.4	1383.7	1477.1
17.5°	1235.4	1229.0	1225.0	1200.2	1184.0	1199.6	1234.2	1298.9	1388.9	1407.3	1518.7
20°	1364.6	1346.7	1331.7	1290.2	1245.2	1240.0	1264.2	1316.7	1410.2	1428.1	1562.5
22.5°	1511.8	1497.3	1473.1	1400.4	1330.6	1296.0	1302.3	1349.6	1441.4	1461.0	1612.7
25°	1697.6	1697.0	1647.4	1549.3	1443.7	1373.9	1360.6	1402.1	1476.6	1495.6	1654.3
27.5°	1909.3	1894.9	1836.0	1709.7	1577.0	1470.2	1439.1	1455.8	1504.8	1524.5	1687.8
30°	2090.5	2092.2	2032.2	1894.3	1718.9	1564.3	1505.4	1494.5	1523.3	1542.9	1718.9
32.5°	2284.4	2274.6	2219.8	2077.8	1872.4	1665.3	1548.1	1522.2	1542.4	1560.8	1762.2
35°	2466.7	2455.8	2408.4	2255.5	2041.5	1776.6	1605.8	1565.4	1587.4	1607.6	1815.3
37.5°	2640.4	2642.1	2588.5	2442.5	2205.3	1908.2	1691.2	1630.6	1654.3	1676.8	1896.1
40°	2792.2	2783.5	2742.0	2610.4	2375.6	2042.0	1787.6	1719.5	1765.7	1786.4	1998.2
42.5°	2840.6	2840.0	2856.2	2775.4	2554.4	2201.3	1907.6	1858.0	1923.2	1954.3	2123.4
45°	2798.5	2811.2	2904.7	2902.4	2733.3	2384.2	2071.5	2026.5	2120.5	2155.7	2276.3
47.5°	2757.0	2776.0	2902.9	2975.1	2893.7	2585.6	2272.8	2239.4	2374.4	2425.2	2435.0
50°	2696.4	2714.3	2865.4	2985.5	2991.8	2789.3	2533.7	2491.5	2665.2	2717.1	2607.5
52.5°	2628.9	2642.7	2799.1	2978.0	3038.5	2948.5	2789.3	2777.2	2976.8	3018.9	2782.9
55°	2256.1	2315.0	2701.6	2961.8	3070.9	3070.3	3038.0	3077.8	3316.7	3379.6	2978.5
57.5°	2042.0	2073.2	2426.9	2952.6	3131.4	3182.8	3294.7	3380.1	3679.6	3736.1	3194.3
60°	1972.2	1999.9	2289.0	2941.6	3252.0	3358.8	3545.7	3684.2	4069.7	4138.9	3435.5
62.5°	1908.8	1942.2	2233.0	2854.5	3398.0	3637.5	3845.2	4013.1	4481.1	4563.0	3675.6
65°	1779.5	1803.2	2130.3	2781.2	3536.5	4035.0	4277.4	4375.5	4879.8	4972.1	3834.8
67.5°	1556.2	1578.7	1898.9	2612.7	3626.5	4448.8	4750.0	4750.5	5187.9	5263.5	3868.3
70°	1293.7	1311.0	1565.4	2245.7	3439.0	4714.2	5176.4	4995.8	5275.0	5307.9	3709.0
72.5°	924.9	940.0	1146.5	1660.1	2819.9	4499.0	5273.3	4985.4	5063.8	5053.5	3256.1
75°	570.1	598.9	702.2	1013.2	1752.4	3540.0	4745.9	4517.4	4252.0	4223.1	2451.7
77.5°	371.6	386.6	474.9	597.8	773.2	2032.2	3604.6	3387.1	2684.8	2651.4	1317.9
80°	223.3	248.1	311.0	375.6	350.2	777.2	2058.2	1682.6	948.6	938.2	405.1
82.5°	120.0	142.5	219.3	232.5	196.8	274.7	745.5	547.0	303.5	300.0	151.8
85°	95.2	106.2	157.5	147.1	111.4	139.1	290.8	227.9	155.8	152.3	57.1
87.5°	57.7	72.7	119.4	99.2	55.4	50.2	133.3	107.9	73.3	68.1	22.5
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°	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3	1328.3
2.5°	1332.9	1335.8	1338.7	1332.9	1335.2	1332.3	1332.3	1332.3	1324.8	1322.5	1329.4
5°	1345.6	1349.6	1351.9	1334.0	1323.1	1306.9	1293.7	1273.5	1261.9	1254.4	1254.4
7.5°	1371.6	1376.2	1365.8	1326.0	1287.3	1244.0	1199.6	1162.7	1136.1	1124.6	1128.1
10°	1409.6	1411.4	1376.7	1303.5	1221.0	1140.8	1077.9	1028.8	995.9	979.2	976.9
12.5°	1454.1	1446.6	1379.1	1253.8	1131.5	1023.6	946.9	883.4	841.3	825.1	817.0
15°	1497.9	1480.0	1370.4	1194.4	1030.0	900.1	802.0	742.0	716.1	708.6	705.7
17.5°	1537.2	1503.7	1341.6	1109.0	912.3	755.9	683.8	662.4	665.3	672.2	675.1
20°	1572.9	1521.6	1300.0	1007.5	765.1	643.4	625.5	645.1	661.3	671.6	673.4
22.5°	1612.2	1538.9	1242.3	884.0	644.5	591.4	612.8	635.3	651.4	661.8	663.6
25°	1642.2	1538.3	1160.9	737.4	568.4	577.6	603.0	623.2	635.3	642.8	642.2
27.5°	1661.2	1524.5	1054.2	616.8	538.4	567.8	592.0	605.3	612.2	618.0	617.4
30°	1667.0	1497.9	919.8	528.0	524.5	558.5	577.0	585.1	590.3	596.1	596.1
32.5°	1678.5	1457.0	771.5	478.3	514.1	549.3	560.3	566.6	562.6	548.2	545.3
35°	1691.2	1411.4	631.3	455.3	504.3	543.0	553.4	536.6	492.8	487.0	484.7
37.5°	1716.0	1369.2	512.4	439.1	502.0	546.4	555.1	488.2	451.2	433.3	430.5
40°	1758.2	1327.1	432.8	427.6	504.9	561.4	532.0	465.1	403.9	369.9	364.1
42.5°	1813.5	1275.8	387.8	421.8	513.0	585.7	523.9	432.2	365.2	342.2	338.7
45°	1877.6	1207.7	366.4	420.6	522.8	597.8	526.2	405.6	347.9	330.1	328.9
47.5°	1944.0	1140.8	357.2	419.5	534.9	592.6	494.5	397.6	341.0	335.8	339.3
50°	2015.5	1064.6	349.7	416.6	544.7	592.6	477.2	395.8	343.3	354.9	366.4
52.5°	2082.4	1000.5	341.0	407.9	548.7	582.2	472.0	402.2	346.8	343.9	347.4
55°	2163.8	967.6	336.4	395.8	541.2	550.5	465.6	419.5	349.7	326.0	326.0
57.5°	2256.7	960.7	329.5	379.7	517.0	506.6	465.1	429.9	342.2	320.2	316.2
60°	2368.6	975.7	320.8	359.5	487.6	472.6	461.0	429.9	330.1	310.4	312.2
62.5°	2459.2	974.0	315.6	341.6	448.3	437.4	453.5	424.1	325.4	309.3	308.7
65°	2480.6	937.1	300.6	318.5	399.9	394.7	445.5	409.7	319.1	302.9	298.3
67.5°	2408.4	853.4	278.1	287.9	348.5	349.1	431.0	390.6	310.4	299.5	292.0
70°	2203.6	690.1	244.7	251.0	293.1	300.6	409.7	368.1	296.0	284.5	266.6
72.5°	1844.1	496.2	206.0	207.7	233.1	252.7	372.7	337.6	274.7	247.5	228.5
75°	1365.2	329.5	167.9	165.6	174.8	205.4	318.5	303.5	247.0	205.4	195.6
77.5°	721.8	195.0	129.3	129.8	124.1	157.5	252.7	263.7	219.3	173.1	163.3
80°	247.0	117.1	92.9	96.9	87.7	112.5	187.5	219.3	187.5	144.3	127.5
82.5°	113.1	71.5	66.4	69.2	62.9	76.2	128.7	166.2	149.4	105.0	84.8
85°	57.1	42.7	42.7	46.7	41.5	39.2	71.0	110.2	109.6	72.1	62.3
87.5°	23.7	20.8	19.6	22.5	19.6	15.0	20.2	39.8	57.7	43.3	27.7
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)