

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: P672328

Luminaire Tested: **CCP-SA-2C-840-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672328
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-840-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T3R distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

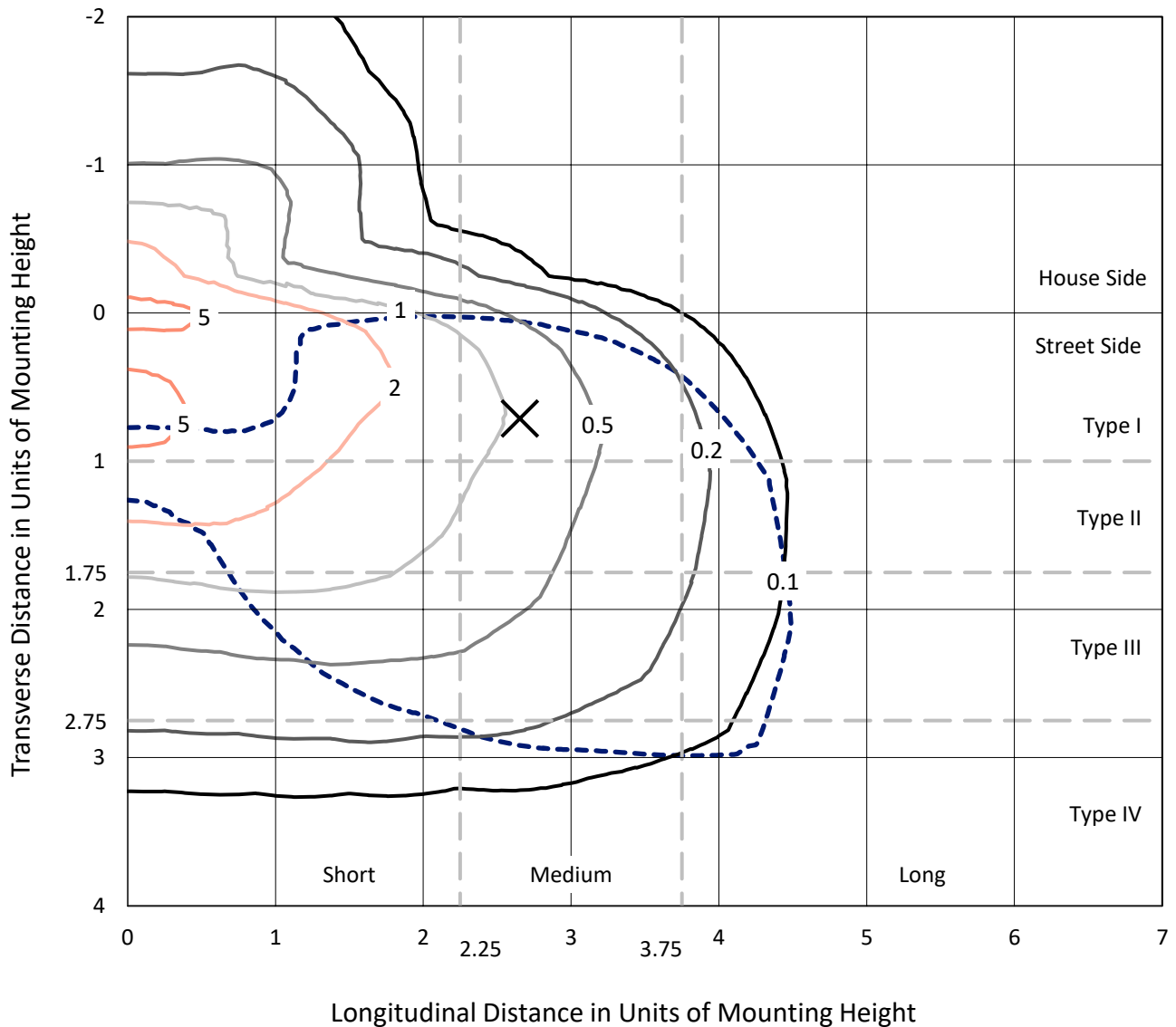
Lumens per Lamp: N/A
Luminaire Lumens: 7835 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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

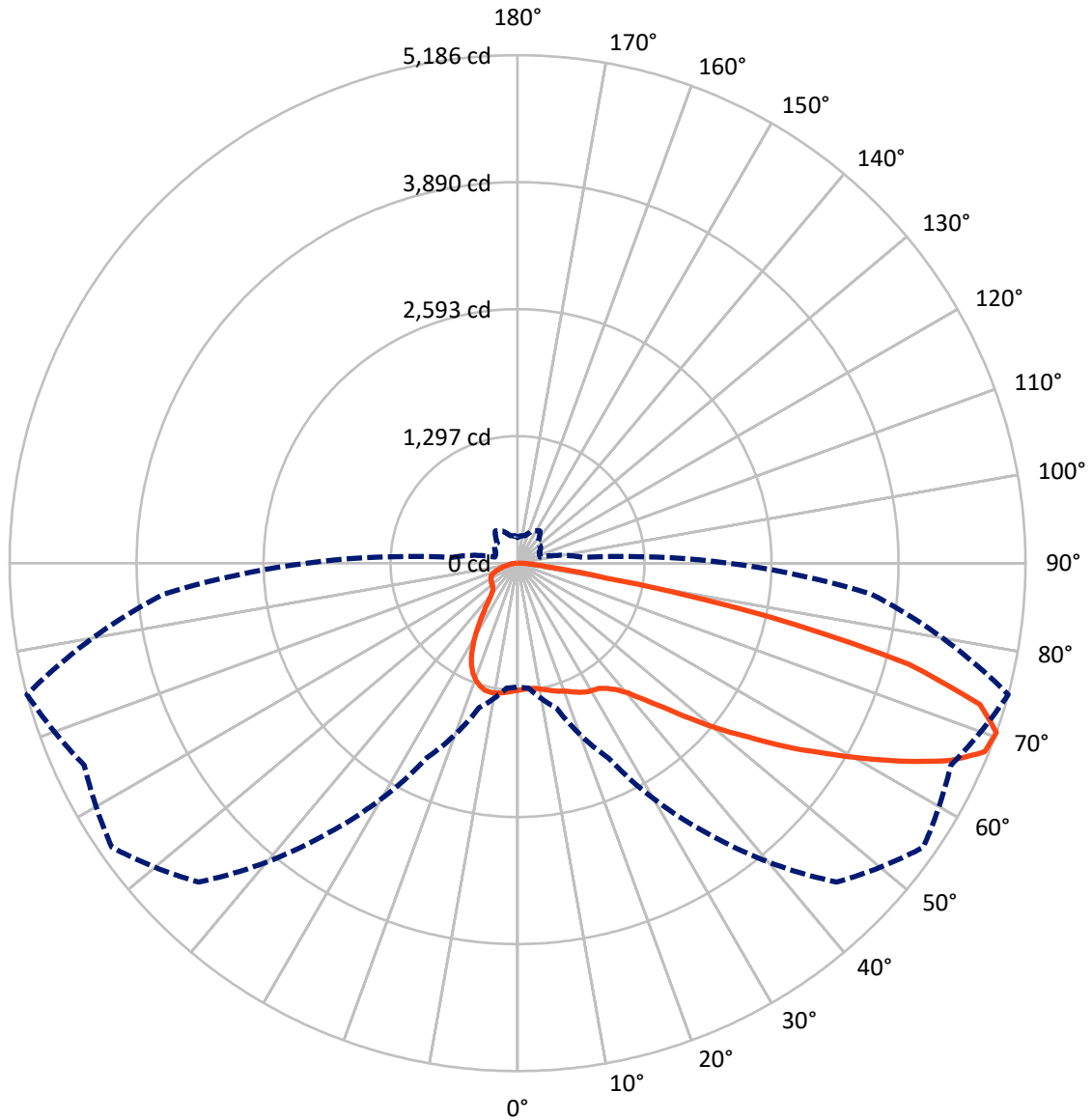
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.9 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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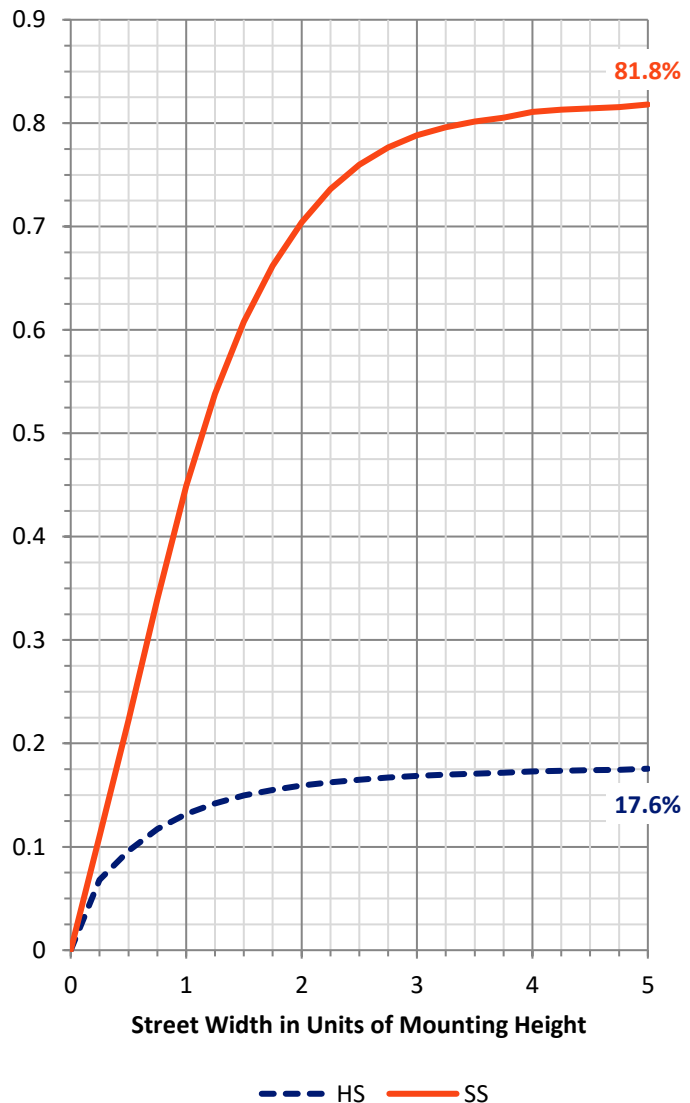
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1393.9	0.0	1393.9
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	6441.1	0.0	6441.1
	% Fixture	82.2	0.0	82.2
Total	Lumens	7835.0	0.0	7835.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.6	1.5
10°-20°	311.1	4.0
20°-30°	524.2	6.7
30°-40°	796.2	10.2
40°-50°	1140.7	14.6
50°-60°	1512.3	19.3
60°-70°	1892.5	24.2
70°-80°	1382.0	17.6
80°-90°	159.4	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°	7835.0	100.0
0°-180°	7835.0	100.0



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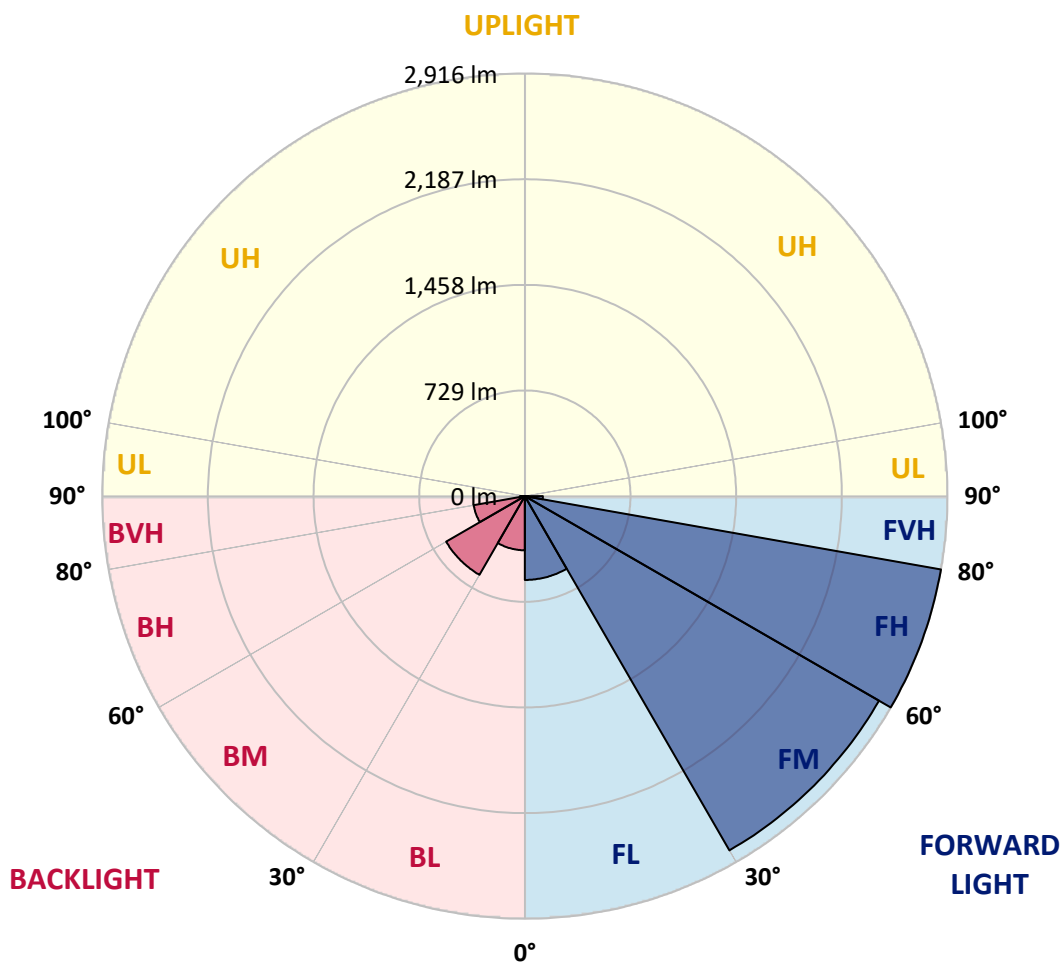
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	578.3	7.4			
FM (30°-60°)	2822.4	36.0			
FH (60°-80°)	2916.0	37.2			G2/5000
FVH (80°-90°)	124.4	1.6			G2/225
BL (0°-30°)	373.6	4.8	B1/500		
BM (30°-60°)	626.7	8.0	B1/1000		
BH (60°-80°)	358.6	4.6	B1/500		G1/500
BVH (80°-90°)	35.0	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°	1297.8	1297.8	1297.8	1297.8	1297.8	1297.8	1297.8	1297.8	1297.8	1297.8	1297.8
2.5°	1226.8	1233.6	1239.8	1246.0	1251.0	1264.6	1267.4	1282.0	1286.0	1289.4	1293.9
5°	1158.0	1163.1	1169.3	1179.4	1190.2	1214.4	1231.3	1263.4	1281.5	1287.1	1302.9
7.5°	1120.8	1122.5	1131.0	1139.4	1151.8	1175.5	1198.6	1248.8	1284.9	1291.1	1324.9
10°	1093.7	1096.0	1103.9	1115.7	1128.1	1150.1	1178.9	1238.6	1297.3	1306.9	1354.8
12.5°	1084.2	1083.0	1092.1	1099.9	1117.4	1145.0	1174.9	1239.2	1314.2	1327.7	1398.2
15°	1122.5	1115.2	1120.8	1118.0	1123.6	1150.7	1186.2	1251.6	1335.0	1352.0	1443.3
17.5°	1207.1	1200.9	1196.9	1172.7	1156.9	1172.1	1205.9	1269.1	1357.0	1375.1	1483.9
20°	1333.4	1315.9	1301.2	1260.6	1216.6	1211.6	1235.3	1286.6	1377.9	1395.4	1526.7
22.5°	1477.1	1463.0	1439.3	1368.3	1300.1	1266.3	1272.5	1318.7	1408.3	1427.5	1575.8
25°	1658.7	1658.1	1609.6	1513.8	1410.6	1342.4	1329.4	1370.0	1442.7	1461.3	1616.4
27.5°	1865.6	1851.5	1794.0	1670.5	1540.8	1436.5	1406.1	1422.4	1470.4	1489.5	1649.1
30°	2042.6	2044.3	1985.7	1850.9	1679.5	1528.4	1470.9	1460.2	1488.4	1507.6	1679.5
32.5°	2232.0	2222.4	2168.9	2030.2	1829.5	1627.1	1512.6	1487.3	1507.0	1525.0	1721.8
35°	2410.2	2399.5	2353.2	2203.8	1994.7	1735.9	1569.0	1529.6	1551.0	1570.7	1773.7
37.5°	2579.9	2581.6	2529.1	2386.5	2154.8	1864.4	1652.5	1593.3	1616.4	1638.4	1852.6
40°	2728.2	2719.7	2679.1	2550.6	2321.1	1995.2	1746.6	1680.1	1725.2	1745.5	1952.4
42.5°	2775.5	2775.0	2790.7	2711.8	2495.9	2150.8	1863.9	1815.4	1879.1	1909.5	2074.7
45°	2734.4	2746.8	2838.1	2835.8	2670.7	2329.6	2024.0	1980.0	2071.9	2106.3	2224.1
47.5°	2693.8	2712.4	2836.4	2906.9	2827.4	2526.3	2220.8	2188.1	2320.0	2369.6	2379.2
50°	2634.6	2652.0	2799.8	2917.0	2923.2	2725.3	2475.6	2434.4	2604.1	2654.9	2547.7
52.5°	2568.6	2582.1	2734.9	2909.7	2968.9	2880.9	2725.3	2713.5	2908.6	2949.7	2719.1
55°	2204.4	2261.9	2639.6	2893.9	3000.5	2999.9	2968.3	3007.2	3240.6	3302.1	2910.3
57.5°	1995.2	2025.7	2371.3	2884.9	3059.7	3109.8	3219.2	3302.7	3595.3	3650.5	3121.1
60°	1927.0	1954.1	2236.5	2874.2	3177.5	3281.8	3464.5	3599.8	3976.4	4044.0	3356.8
62.5°	1865.0	1897.7	2181.9	2789.0	3320.1	3554.1	3757.1	3921.1	4378.4	4458.4	3591.3
65°	1738.7	1761.8	2081.5	2717.4	3455.4	3942.6	4179.3	4275.2	4767.9	4858.1	3746.9
67.5°	1520.5	1542.5	1855.4	2552.8	3543.4	4346.8	4641.1	4641.6	5069.0	5142.9	3779.6
70°	1264.0	1280.9	1529.6	2194.3	3360.2	4606.1	5057.7	4881.3	5154.1	5186.3	3624.0
72.5°	903.7	918.4	1120.2	1622.0	2755.2	4395.8	5152.4	4871.1	4947.8	4937.6	3181.4
75°	557.0	585.2	686.1	990.0	1712.2	3458.8	4637.1	4413.9	4154.5	4126.3	2395.5
77.5°	363.1	377.7	464.0	584.1	755.5	1985.7	3522.0	3309.4	2623.3	2590.6	1287.7
80°	218.2	242.4	303.9	367.0	342.2	759.4	2011.0	1644.0	926.9	916.7	395.8
82.5°	117.3	139.3	214.2	227.2	192.3	268.4	728.4	534.5	296.6	293.2	148.3
85°	93.0	103.7	153.9	143.8	108.8	135.9	284.1	222.7	152.2	148.8	55.8
87.5°	56.4	71.0	116.7	97.0	54.1	49.0	130.2	105.4	71.6	66.5	22.0
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°	1297.8	1297.8	1297.8	1297.8	1297.8	1297.8	1297.8	1297.8	1297.8	1297.8	1297.8
2.5°	1302.3	1305.2	1308.0	1302.3	1304.6	1301.8	1301.8	1301.8	1294.5	1292.2	1299.0
5°	1314.7	1318.7	1321.0	1303.5	1292.8	1277.0	1264.0	1244.3	1233.0	1225.7	1225.7
7.5°	1340.1	1344.6	1334.5	1295.6	1257.8	1215.5	1172.1	1136.0	1110.1	1098.8	1102.2
10°	1377.3	1379.0	1345.2	1273.6	1193.0	1114.6	1053.2	1005.2	973.1	956.7	954.5
12.5°	1420.7	1413.4	1347.4	1225.1	1105.6	1000.2	925.2	863.2	822.0	806.2	798.3
15°	1463.6	1446.1	1339.0	1167.0	1006.4	879.5	783.7	725.0	699.7	692.3	689.5
17.5°	1501.9	1469.2	1310.8	1083.6	891.3	738.6	668.1	647.2	650.0	656.8	659.6
20°	1536.9	1486.7	1270.2	984.4	747.6	628.6	611.1	630.3	646.1	656.2	657.9
22.5°	1575.2	1503.6	1213.8	863.7	629.7	577.9	598.7	620.7	636.5	646.7	648.4
25°	1604.5	1503.1	1134.3	720.5	555.3	564.3	589.2	608.9	620.7	628.1	627.5
27.5°	1623.1	1489.5	1030.0	602.7	526.0	554.8	578.4	591.4	598.2	603.8	603.3
30°	1628.8	1463.6	898.7	515.9	512.5	545.7	563.8	571.7	576.8	582.4	582.4
32.5°	1640.1	1423.6	753.8	467.4	502.3	536.7	547.4	553.6	549.7	535.6	532.8
35°	1652.5	1379.0	616.8	444.8	492.7	530.5	540.7	524.3	481.5	475.8	473.6
37.5°	1676.7	1337.9	500.6	429.0	490.5	533.9	542.4	477.0	440.9	423.4	420.6
40°	1717.9	1296.7	422.8	417.8	493.3	548.6	519.8	454.4	394.7	361.4	355.7
42.5°	1772.0	1246.5	378.9	412.1	501.2	572.2	511.9	422.3	356.9	334.3	330.9
45°	1834.6	1180.0	358.0	411.0	510.8	584.1	514.2	396.3	340.0	322.5	321.4
47.5°	1899.4	1114.6	349.0	409.9	522.6	579.0	483.2	388.4	333.2	328.1	331.5
50°	1969.3	1040.2	341.7	407.1	532.2	579.0	466.3	386.8	335.5	346.7	358.0
52.5°	2034.7	977.6	333.2	398.6	536.2	568.9	461.2	393.0	338.8	336.0	339.4
55°	2114.2	945.5	328.7	386.8	528.8	537.9	455.0	409.9	341.7	318.5	318.5
57.5°	2205.0	938.7	321.9	371.0	505.2	495.0	454.4	420.0	334.3	312.9	309.0
60°	2314.3	953.4	313.5	351.2	476.4	461.7	450.5	420.0	322.5	303.3	305.0
62.5°	2402.9	951.7	308.4	333.8	438.1	427.3	443.1	414.4	318.0	302.2	301.6
65°	2423.7	915.6	293.7	311.2	390.7	385.6	435.2	400.3	311.8	296.0	291.5
67.5°	2353.2	833.8	271.7	281.3	340.5	341.1	421.1	381.7	303.3	292.6	285.3
70°	2153.1	674.3	239.0	245.2	286.4	293.7	400.3	359.7	289.2	277.9	260.5
72.5°	1801.9	484.9	201.3	203.0	227.8	246.9	364.2	329.8	268.4	241.9	223.3
75°	1333.9	321.9	164.1	161.8	170.8	200.7	311.2	296.6	241.3	200.7	191.1
77.5°	705.3	190.6	126.3	126.9	121.2	153.9	246.9	257.7	214.2	169.1	159.6
80°	241.3	114.4	90.8	94.7	85.7	109.9	183.2	214.2	183.2	140.9	124.6
82.5°	110.5	69.9	64.8	67.7	61.5	74.4	125.7	162.4	146.0	102.6	82.9
85°	55.8	41.7	41.7	45.7	40.6	38.3	69.3	107.7	107.1	70.5	60.9
87.5°	23.1	20.3	19.2	22.0	19.2	14.7	19.7	38.9	56.4	42.3	27.1
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)