

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: P671287

Luminaire Tested: **CCP-SA-2C-827-U-SL2**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671287
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-827-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ SL2 distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

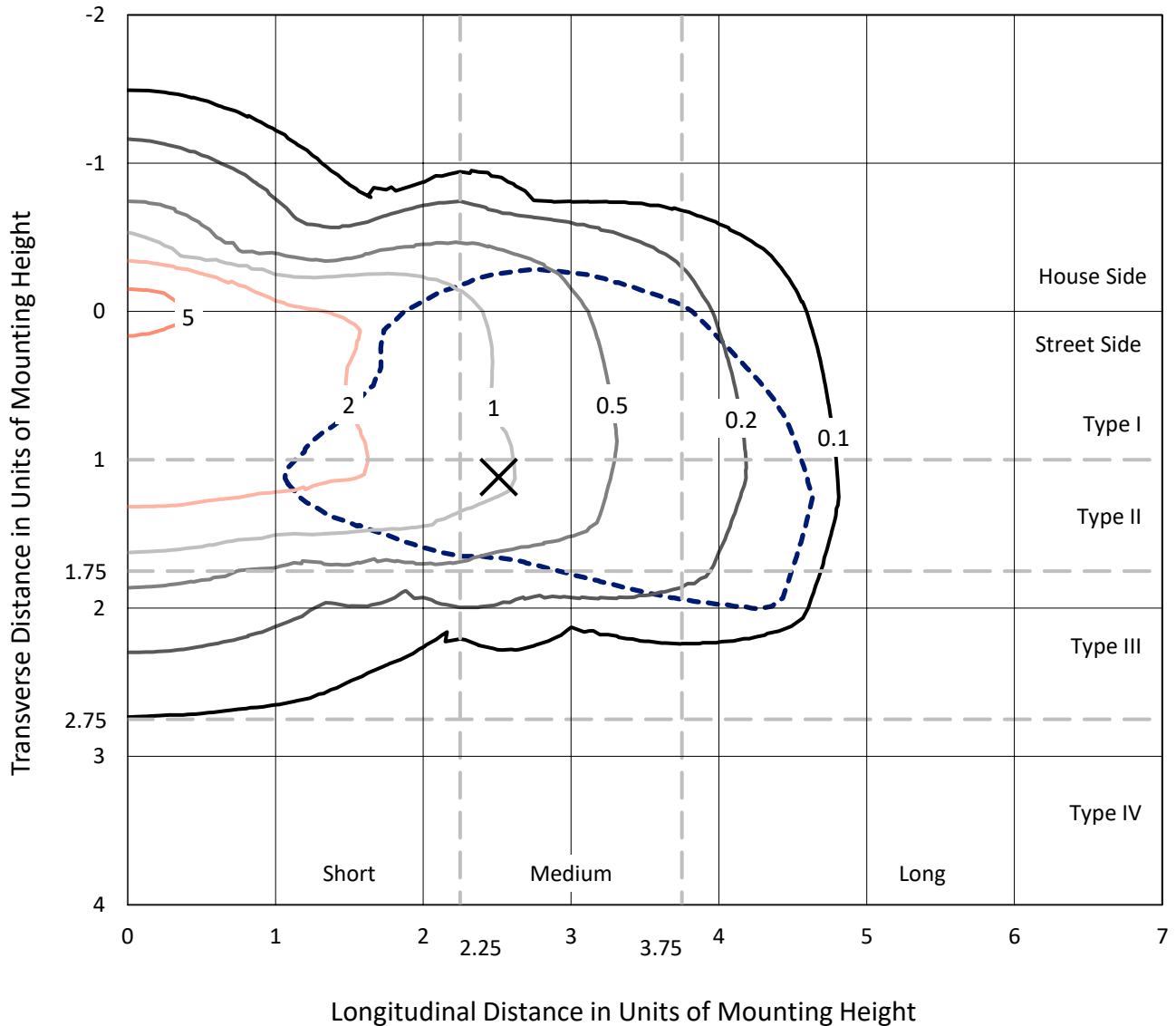
Lumens per Lamp: N/A
Luminaire Lumens: 6577.9 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

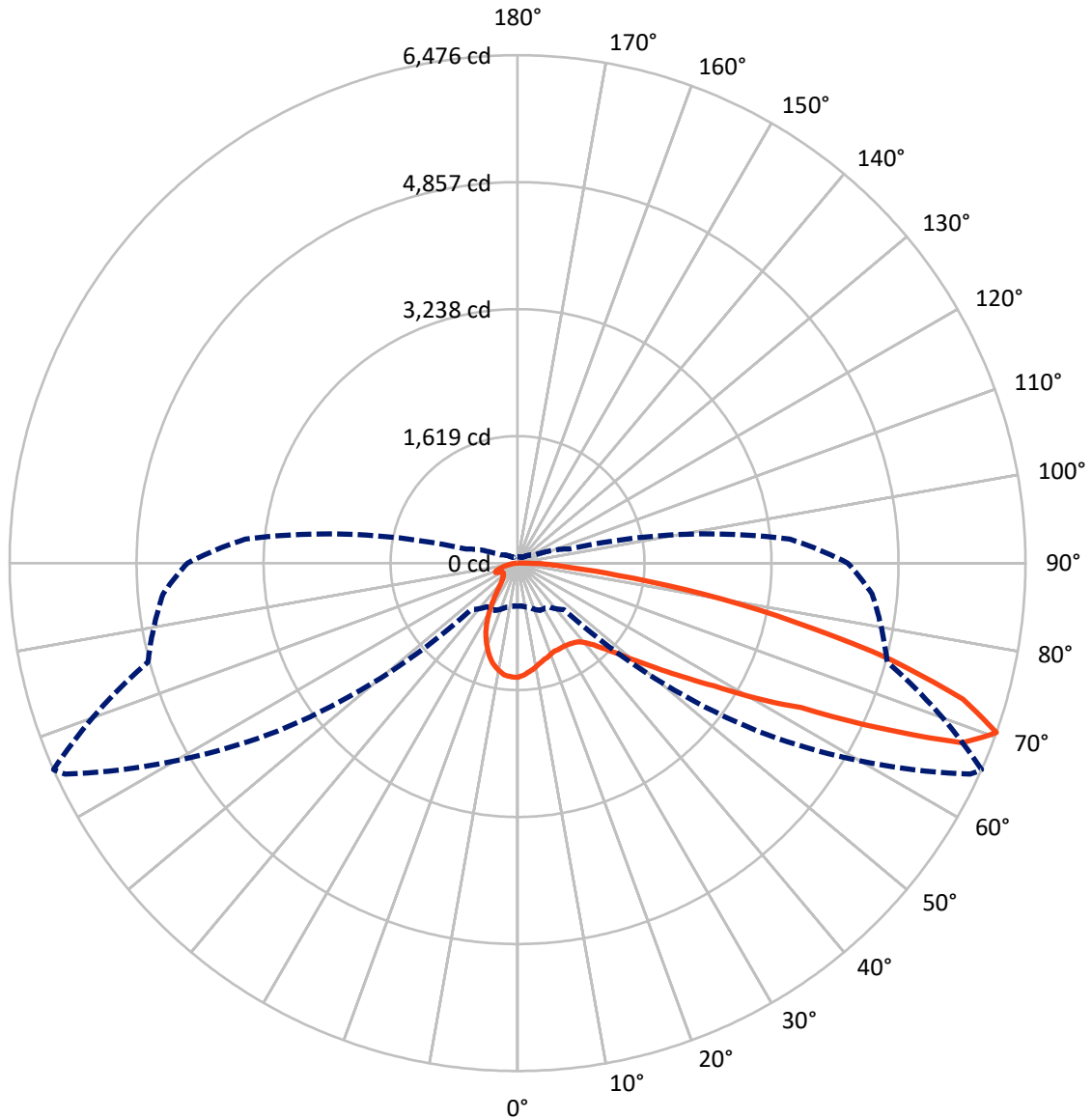
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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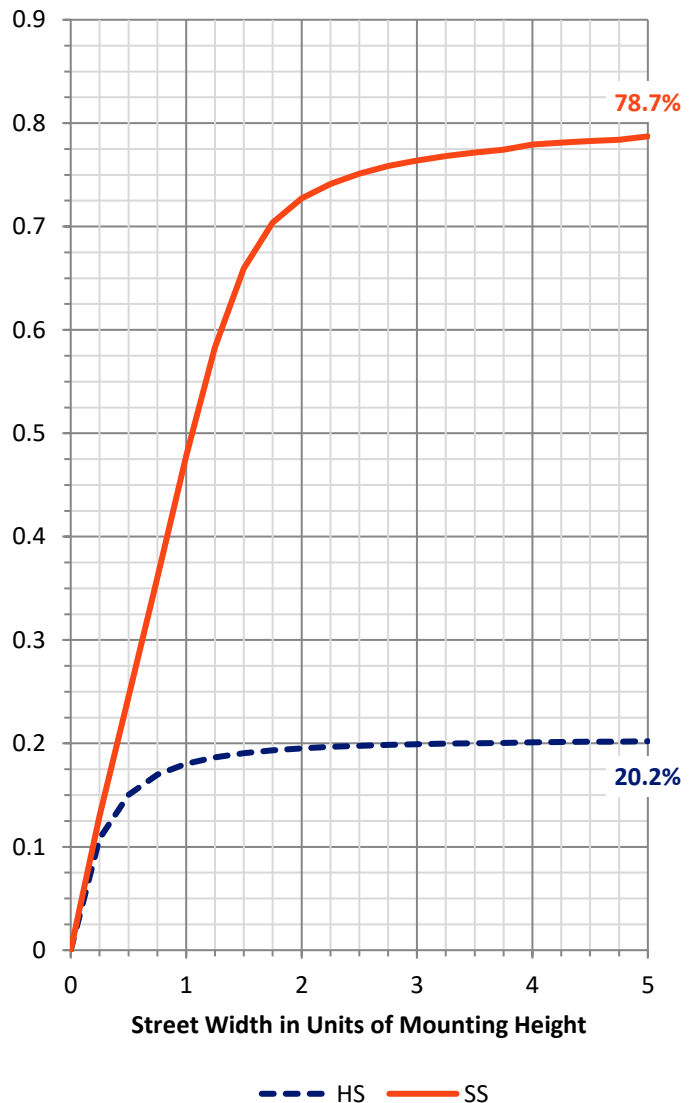
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1346.4	0.0	1346.4
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	5231.5	0.0	5231.5
	% Fixture	79.5	0.0	79.5
Total	Lumens	6577.9	0.0	6577.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.5	2.0
10°-20°	316.3	4.8
20°-30°	434.4	6.6
30°-40°	582.5	8.9
40°-50°	845.1	12.8
50°-60°	1284.6	19.5
60°-70°	1586.6	24.1
70°-80°	1179.8	17.9
80°-90°	220.1	3.3
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°	6577.9	100.0
0°-180°	6577.9	100.0



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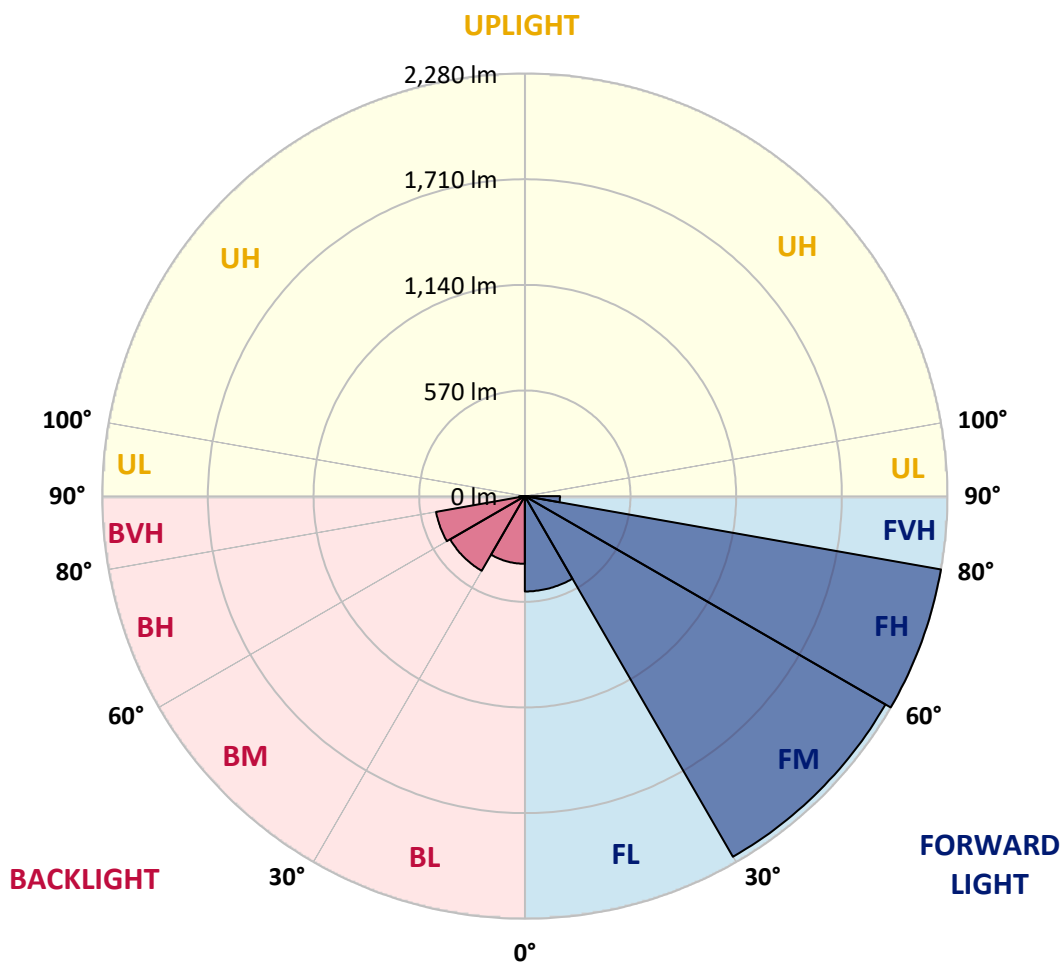
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	514.3	7.8			
FM (30°-60°)	2247.1	34.2			
FH (60°-80°)	2280.3	34.7			G2/5000
FVH (80°-90°)	189.7	2.9			G2/225
BL (0°-30°)	364.9	5.5	B1/500		
BM (30°-60°)	465.1	7.1	B1/1000		
BH (60°-80°)	486.0	7.4	B1/500		G1/500
BVH (80°-90°)	30.4	0.5			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1453.3	1453.3	1453.3	1453.3	1453.3	1453.3	1453.3	1453.3	1453.3	1453.3	1453.3
2.5°	1382.3	1389.6	1392.1	1397.0	1409.2	1419.0	1433.7	1441.0	1433.7	1443.5	1443.5
5°	1286.9	1277.1	1301.6	1311.4	1326.0	1345.6	1379.9	1406.8	1399.4	1428.8	1453.3
7.5°	1206.2	1206.2	1213.5	1235.5	1252.6	1282.0	1318.7	1360.3	1372.5	1411.7	1448.4
10°	1132.8	1142.5	1142.5	1176.8	1186.6	1220.8	1282.0	1333.4	1335.8	1401.9	1453.3
12.5°	1093.6	1088.7	1113.2	1123.0	1152.3	1186.6	1235.5	1299.1	1301.6	1372.5	1443.5
15°	1061.8	1066.7	1078.9	1103.4	1130.3	1157.2	1203.7	1262.4	1274.7	1357.8	1438.6
17.5°	1064.3	1066.7	1066.7	1083.8	1105.8	1137.7	1181.7	1250.2	1257.5	1338.3	1431.2
20°	1078.9	1069.1	1076.5	1083.8	1098.5	1127.9	1164.6	1223.3	1230.6	1335.8	1448.4
22.5°	1110.7	1103.4	1101.0	1098.5	1096.1	1113.2	1159.7	1208.6	1215.9	1323.6	1455.7
25°	1162.1	1159.7	1142.5	1125.4	1113.2	1113.2	1149.9	1220.8	1218.4	1323.6	1460.6
27.5°	1223.3	1223.3	1220.8	1189.0	1152.3	1132.8	1157.2	1215.9	1213.5	1323.6	1472.8
30°	1306.5	1306.5	1299.1	1269.8	1203.7	1147.4	1162.1	1211.1	1218.4	1313.8	1463.0
32.5°	1397.0	1394.5	1401.9	1375.0	1306.5	1215.9	1191.5	1220.8	1228.2	1323.6	1465.5
35°	1463.0	1477.7	1502.2	1477.7	1409.2	1286.9	1233.1	1240.4	1245.3	1326.0	1475.3
37.5°	1538.9	1556.0	1590.3	1609.8	1536.4	1394.5	1299.1	1272.2	1272.2	1357.8	1477.7
40°	1649.0	1631.9	1690.6	1724.8	1695.5	1526.7	1401.9	1330.9	1333.4	1399.4	1509.5
42.5°	1729.7	1746.8	1808.0	1869.2	1832.5	1688.1	1514.4	1426.3	1426.3	1460.6	1558.5
45°	1820.2	1839.8	1925.4	1998.8	2025.8	1881.4	1668.6	1563.4	1558.5	1580.5	1646.5
47.5°	1920.6	1947.5	2045.3	2131.0	2201.9	2082.0	1866.7	1729.7	1727.3	1744.4	1793.3
50°	2035.5	2045.3	2126.1	2282.6	2424.5	2348.7	2108.9	1964.6	1952.4	1959.7	2025.8
52.5°	2069.8	2062.5	2155.4	2324.2	2583.6	2674.1	2439.2	2231.3	2226.4	2209.2	2294.9
55°	1945.0	1969.5	2060.0	2275.3	2713.2	3058.2	2801.3	2595.8	2551.8	2505.3	2608.0
57.5°	1695.5	1697.9	1800.7	2055.1	2612.9	3376.3	3415.4	2953.0	2955.5	2830.7	2948.1
60°	1318.7	1311.4	1392.1	1622.1	2326.7	3474.1	4085.8	3523.1	3498.6	3156.1	3263.7
62.5°	951.7	937.0	954.2	1088.7	1739.5	3324.9	4743.9	4161.6	4058.9	3488.8	3572.0
65°	782.9	790.2	797.6	804.9	976.2	2742.6	4947.0	5203.8	5066.8	3877.8	3912.1
67.5°	648.3	653.2	685.0	729.1	724.2	1619.6	4712.1	6167.8	6116.4	4359.8	4205.6
70°	550.5	548.0	584.7	665.5	677.7	841.6	3731.0	6366.0	6476.1	4878.5	4538.4
72.5°	440.4	445.3	477.1	584.7	665.5	709.5	2148.1	5940.3	5937.8	5277.2	4359.8
75°	315.6	315.6	359.6	484.4	643.4	702.2	1189.0	4822.2	4912.7	4959.2	3782.4
77.5°	208.0	217.7	252.0	362.1	604.3	687.5	753.5	3505.9	3618.5	3709.0	2894.3
80°	141.9	146.8	168.8	252.0	511.3	692.4	616.5	2358.5	2402.5	2047.8	1174.4
82.5°	85.6	88.1	112.5	176.2	367.0	658.1	579.8	1301.6	1274.7	619.0	337.6
85°	46.5	48.9	71.0	117.4	242.2	574.9	570.0	638.6	594.5	227.5	141.9
87.5°	17.1	17.1	31.8	58.7	139.5	393.9	496.7	379.2	354.8	115.0	66.1
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°	1453.3	1453.3	1453.3	1453.3	1453.3	1453.3	1453.3	1453.3	1453.3	1453.3	1453.3
2.5°	1455.7	1455.7	1455.7	1455.7	1453.3	1443.5	1450.8	1448.4	1433.7	1436.1	1426.3
5°	1450.8	1463.0	1455.7	1445.9	1433.7	1404.3	1394.5	1387.2	1367.6	1360.3	1367.6
7.5°	1463.0	1453.3	1448.4	1431.2	1382.3	1355.4	1321.1	1279.6	1250.2	1242.9	1250.2
10°	1460.6	1460.6	1438.6	1389.6	1343.2	1264.9	1220.8	1147.4	1105.8	1093.6	1096.1
12.5°	1450.8	1458.2	1423.9	1345.6	1257.5	1162.1	1081.4	1003.1	929.7	900.3	895.4
15°	1460.6	1453.3	1392.1	1291.8	1169.5	1037.3	919.9	804.9	736.4	692.4	682.6
17.5°	1445.9	1438.6	1350.5	1218.4	1054.5	885.7	738.9	614.1	545.6	528.5	528.5
20°	1463.0	1416.6	1301.6	1130.3	934.6	719.3	552.9	460.0	442.8	442.8	447.7
22.5°	1460.6	1411.7	1260.0	1044.7	790.2	543.1	411.0	384.1	386.6	406.1	403.7
25°	1445.9	1401.9	1201.3	949.3	638.6	408.6	340.1	332.7	349.9	371.9	369.4
27.5°	1443.5	1375.0	1147.4	836.7	486.9	322.9	296.0	296.0	313.2	332.7	330.3
30°	1428.8	1353.0	1081.4	709.5	367.0	281.4	271.6	271.6	278.9	288.7	288.7
32.5°	1426.3	1323.6	1008.0	577.4	293.6	254.4	249.5	252.0	252.0	256.9	254.4
35°	1406.8	1284.4	932.1	447.7	254.4	239.8	234.9	232.4	232.4	230.0	230.0
37.5°	1399.4	1260.0	853.9	347.4	237.3	227.5	222.6	215.3	212.9	212.9	210.4
40°	1406.8	1235.5	778.0	281.4	222.6	217.7	210.4	200.6	198.2	198.2	198.2
42.5°	1433.7	1233.1	699.7	244.7	215.3	208.0	198.2	188.4	185.9	188.4	185.9
45°	1494.9	1252.6	623.9	227.5	205.5	198.2	185.9	178.6	176.2	178.6	178.6
47.5°	1595.2	1306.5	555.4	217.7	198.2	188.4	176.2	168.8	168.8	168.8	168.8
50°	1761.5	1409.2	489.3	210.4	193.3	181.0	168.8	159.0	156.6	156.6	159.0
52.5°	2011.1	1585.4	435.5	205.5	185.9	171.3	159.0	151.7	146.8	144.3	146.8
55°	2312.0	1842.3	418.4	200.6	176.2	163.9	151.7	141.9	137.0	137.0	134.6
57.5°	2635.0	2126.1	447.7	195.7	168.8	154.1	141.9	132.1	127.2	124.8	124.8
60°	2984.8	2461.2	555.4	193.3	161.5	144.3	132.1	124.8	117.4	115.0	115.0
62.5°	3302.9	2764.6	748.6	190.8	156.6	134.6	122.3	112.5	107.6	105.2	105.2
65°	3665.0	3102.2	937.0	200.6	154.1	127.2	112.5	102.8	97.9	95.4	95.4
67.5°	3980.6	3395.8	1047.1	225.1	161.5	117.4	100.3	93.0	90.5	88.1	88.1
70°	4210.5	3486.4	702.2	247.1	173.7	110.1	90.5	85.6	80.7	80.7	80.7
72.5°	3902.3	3112.0	415.9	232.4	163.9	102.8	80.7	75.8	73.4	73.4	71.0
75°	3337.1	2649.6	320.5	188.4	132.1	88.1	71.0	66.1	63.6	63.6	61.2
77.5°	2463.7	1898.5	237.3	149.2	102.8	71.0	61.2	58.7	56.3	53.8	53.8
80°	963.9	831.8	161.5	110.1	75.8	56.3	51.4	48.9	46.5	44.0	44.0
82.5°	298.5	252.0	93.0	73.4	53.8	44.0	41.6	39.1	36.7	34.3	34.3
85°	129.7	124.8	61.2	46.5	36.7	29.4	29.4	26.9	24.5	22.0	22.0
87.5°	63.6	61.2	34.3	22.0	19.6	14.7	14.7	12.2	9.8	9.8	9.8
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)