

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: P671231

Luminaire Tested: **CCP-SA-2B-730-U-SL2**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671231
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-730-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ SL2 distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

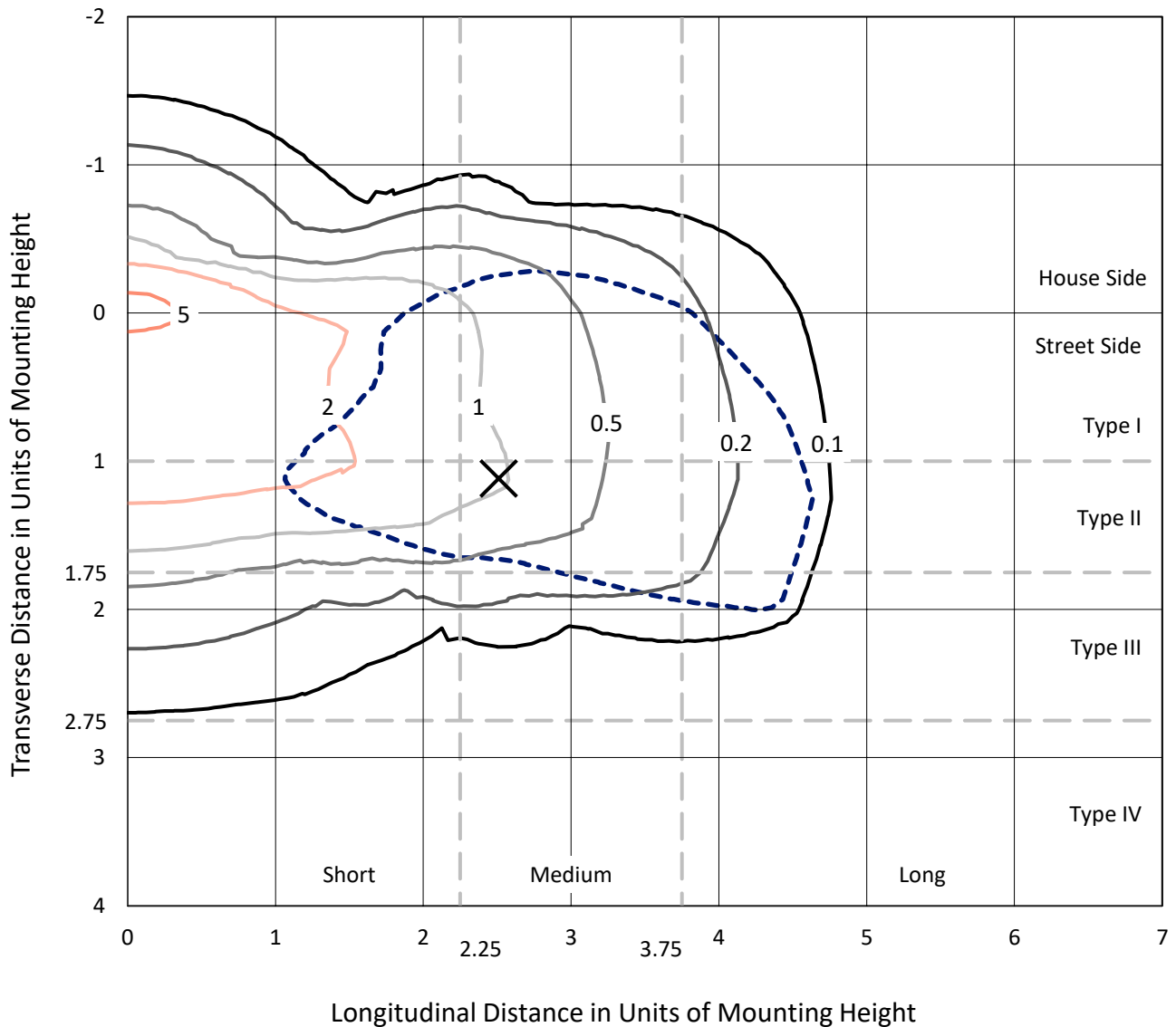
Lumens per Lamp: N/A
Luminaire Lumens: 6224 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 46
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

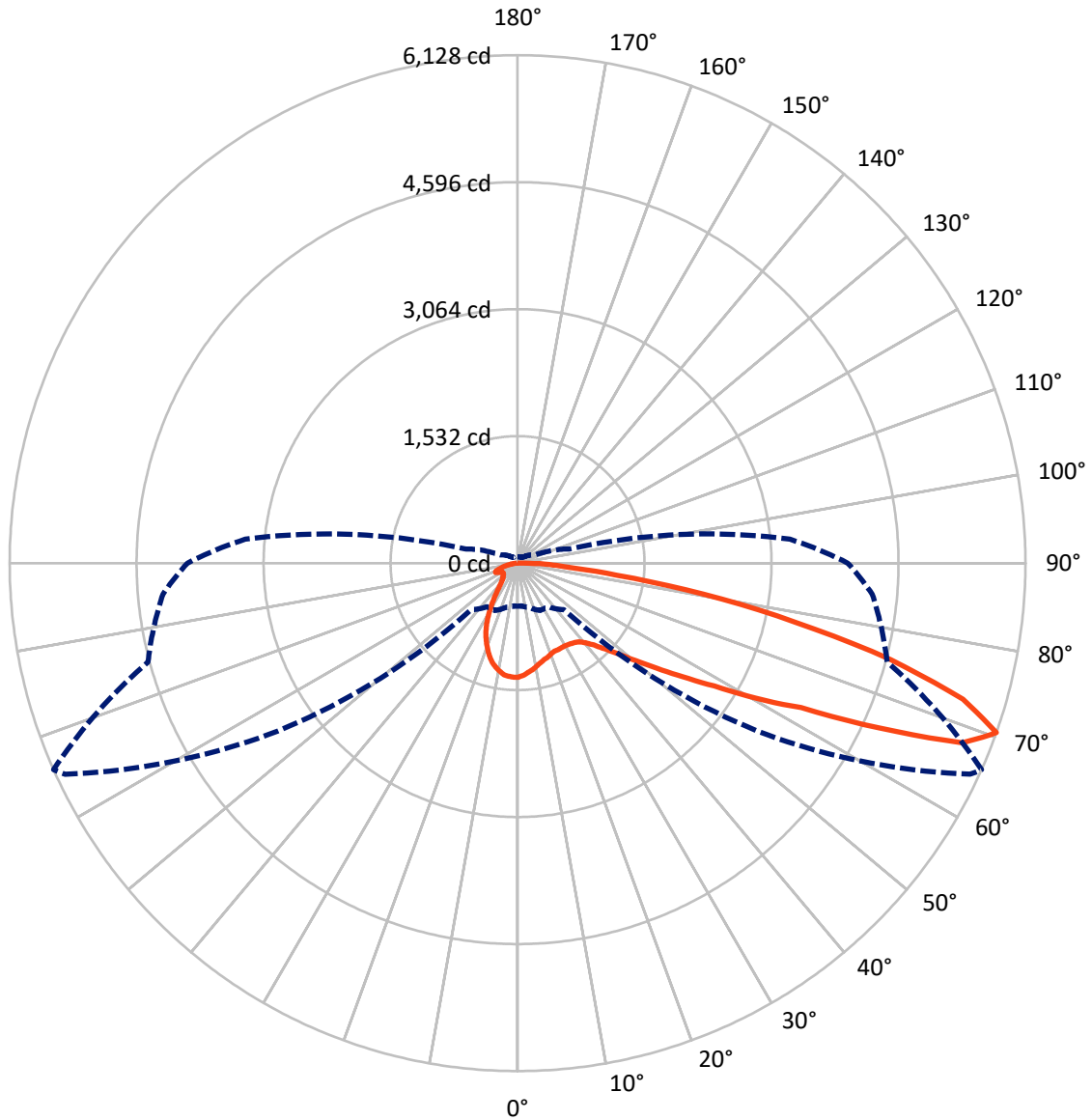
× Max cd
 - - - 1/2 Max cd



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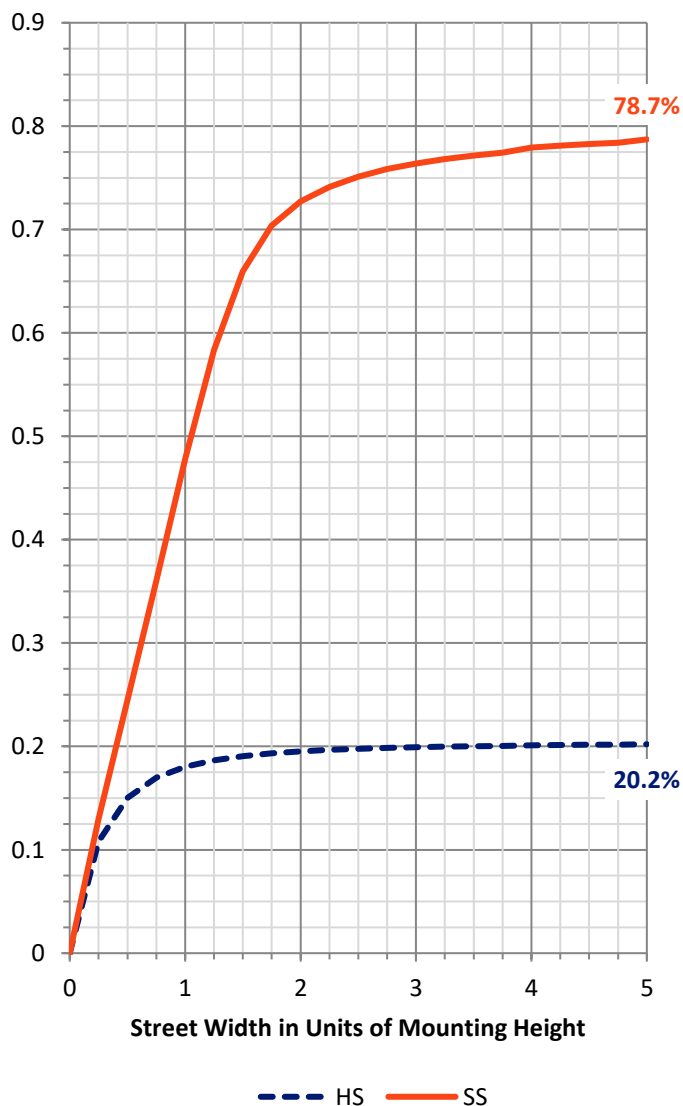
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1274.0	0.0	1274.0
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	4950.0	0.0	4950.0
	% Fixture	79.5	0.0	79.5
Total	Lumens	6224.0	0.0	6224.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.6	2.0
10°-20°	299.3	4.8
20°-30°	411.1	6.6
30°-40°	551.1	8.9
40°-50°	799.6	12.8
50°-60°	1215.5	19.5
60°-70°	1501.2	24.1
70°-80°	1116.3	17.9
80°-90°	208.2	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°	6224.0	100.0
0°-180°	6224.0	100.0



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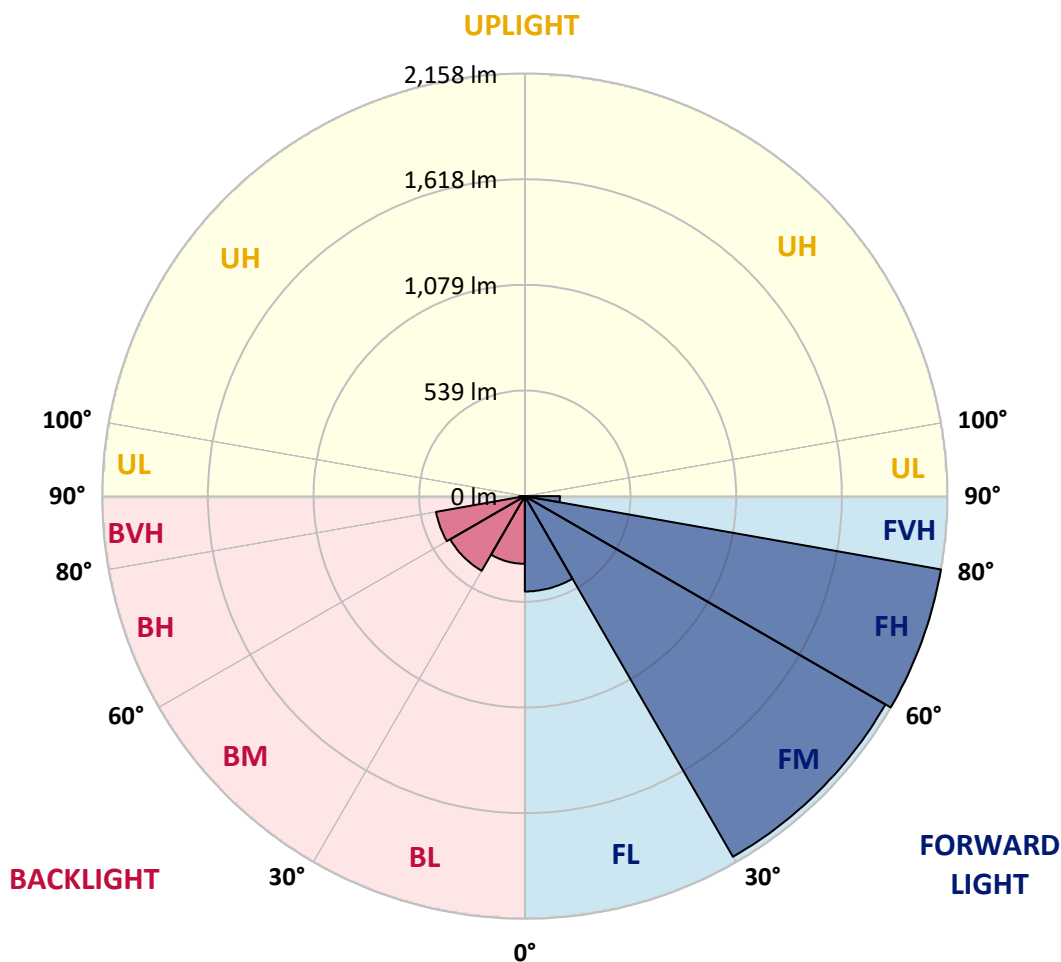
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	486.7	7.8			
FM (30°-60°)	2126.2	34.2			
FH (60°-80°)	2157.6	34.7			G2/5000
FVH (80°-90°)	179.5	2.9			G2/225
BL (0°-30°)	345.3	5.5	B1/500		
BM (30°-60°)	440.1	7.1	B1/1000		
BH (60°-80°)	459.9	7.4	B1/500		G1/500
BVH (80°-90°)	28.7	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°	1375.1	1375.1	1375.1	1375.1	1375.1	1375.1	1375.1	1375.1	1375.1	1375.1	1375.1
2.5°	1307.9	1314.9	1317.2	1321.8	1333.4	1342.7	1356.5	1363.5	1356.5	1365.8	1365.8
5°	1217.6	1208.4	1231.5	1240.8	1254.7	1273.2	1305.6	1331.1	1324.1	1351.9	1375.1
7.5°	1141.3	1141.3	1148.2	1169.0	1185.2	1213.0	1247.7	1287.1	1298.7	1335.7	1370.4
10°	1071.8	1081.1	1081.1	1113.5	1122.7	1155.1	1213.0	1261.6	1263.9	1326.4	1375.1
12.5°	1034.8	1030.1	1053.3	1062.5	1090.3	1122.7	1169.0	1229.2	1231.5	1298.7	1365.8
15°	1004.7	1009.3	1020.9	1044.0	1069.5	1095.0	1138.9	1194.5	1206.1	1284.8	1361.2
17.5°	1007.0	1009.3	1009.3	1025.5	1046.3	1076.4	1118.1	1182.9	1189.9	1266.3	1354.2
20°	1020.9	1011.6	1018.6	1025.5	1039.4	1067.2	1101.9	1157.5	1164.4	1263.9	1370.4
22.5°	1051.0	1044.0	1041.7	1039.4	1037.1	1053.3	1097.3	1143.6	1150.5	1252.4	1377.4
25°	1099.6	1097.3	1081.1	1064.9	1053.3	1053.3	1088.0	1155.1	1152.8	1252.4	1382.0
27.5°	1157.5	1157.5	1155.1	1125.1	1090.3	1071.8	1095.0	1150.5	1148.2	1252.4	1393.6
30°	1236.2	1236.2	1229.2	1201.4	1138.9	1085.7	1099.6	1145.9	1152.8	1243.1	1384.3
32.5°	1321.8	1319.5	1326.4	1301.0	1236.2	1150.5	1127.4	1155.1	1162.1	1252.4	1386.6
35°	1384.3	1398.2	1421.4	1398.2	1333.4	1217.6	1166.7	1173.7	1178.3	1254.7	1395.9
37.5°	1456.1	1472.3	1504.7	1523.2	1453.8	1319.5	1229.2	1203.8	1203.8	1284.8	1398.2
40°	1560.3	1544.1	1599.6	1632.0	1604.2	1444.5	1326.4	1259.3	1261.6	1324.1	1428.3
42.5°	1636.6	1652.9	1710.7	1768.6	1733.9	1597.3	1432.9	1349.6	1349.6	1382.0	1474.6
45°	1722.3	1740.8	1821.8	1891.3	1916.8	1780.2	1578.8	1479.2	1474.6	1495.4	1557.9
47.5°	1817.2	1842.7	1935.3	2016.3	2083.4	1970.0	1766.3	1636.6	1634.3	1650.5	1696.8
50°	1926.0	1935.3	2011.7	2159.8	2294.1	2222.3	1995.5	1858.9	1847.3	1854.3	1916.8
52.5°	1958.4	1951.5	2039.4	2199.2	2444.6	2530.2	2308.0	2111.2	2106.6	2090.4	2171.4
55°	1840.4	1863.5	1949.2	2152.9	2567.2	2893.7	2650.6	2456.1	2414.5	2370.5	2467.7
57.5°	1604.2	1606.6	1703.8	1944.5	2472.3	3194.6	3231.6	2794.1	2796.4	2678.4	2789.5
60°	1247.7	1240.8	1317.2	1534.8	2201.5	3287.2	3865.9	3333.5	3310.3	2986.2	3088.1
62.5°	900.5	886.6	902.8	1030.1	1645.9	3146.0	4488.6	3937.7	3840.5	3301.1	3379.8
65°	740.8	747.7	754.7	761.6	923.7	2595.0	4680.8	4923.8	4794.2	3669.1	3701.6
67.5°	613.5	618.1	648.2	689.8	685.2	1532.5	4458.5	5835.9	5787.3	4125.2	3979.3
70°	520.9	518.5	553.3	629.7	641.2	796.3	3530.3	6023.4	6127.6	4616.0	4294.2
72.5°	416.7	421.3	451.4	553.3	629.7	671.3	2032.5	5620.6	5618.3	4993.3	4125.2
75°	298.6	298.6	340.3	458.4	608.8	664.4	1125.1	4562.7	4648.4	4692.3	3578.9
77.5°	196.8	206.0	238.4	342.6	571.8	650.5	713.0	3317.3	3423.8	3509.4	2738.6
80°	134.3	138.9	159.7	238.4	483.8	655.1	583.4	2231.6	2273.3	1937.6	1111.2
82.5°	81.0	83.3	106.5	166.7	347.2	622.7	548.6	1231.5	1206.1	585.7	319.5
85°	44.0	46.3	67.1	111.1	229.2	544.0	539.4	604.2	562.5	215.3	134.3
87.5°	16.2	16.2	30.1	55.6	132.0	372.7	469.9	358.8	335.7	108.8	62.5
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°	1375.1	1375.1	1375.1	1375.1	1375.1	1375.1	1375.1	1375.1	1375.1	1375.1	1375.1
2.5°	1377.4	1377.4	1377.4	1377.4	1375.1	1365.8	1372.7	1370.4	1356.5	1358.9	1349.6
5°	1372.7	1384.3	1377.4	1368.1	1356.5	1328.8	1319.5	1312.6	1294.0	1287.1	1294.0
7.5°	1384.3	1375.1	1370.4	1354.2	1307.9	1282.5	1250.1	1210.7	1182.9	1176.0	1182.9
10°	1382.0	1382.0	1361.2	1314.9	1270.9	1196.8	1155.1	1085.7	1046.3	1034.8	1037.1
12.5°	1372.7	1379.7	1347.3	1273.2	1189.9	1099.6	1023.2	949.1	879.7	851.9	847.3
15°	1382.0	1375.1	1317.2	1222.3	1106.5	981.5	870.4	761.6	696.8	655.1	645.9
17.5°	1368.1	1361.2	1277.8	1152.8	997.7	838.0	699.1	581.0	516.2	500.0	500.0
20°	1384.3	1340.3	1231.5	1069.5	884.3	680.6	523.2	435.2	419.0	419.0	423.6
22.5°	1382.0	1335.7	1192.2	988.5	747.7	513.9	388.9	363.4	365.8	384.3	382.0
25°	1368.1	1326.4	1136.6	898.2	604.2	386.6	321.8	314.8	331.0	351.9	349.6
27.5°	1365.8	1301.0	1085.7	791.7	460.7	305.6	280.1	280.1	296.3	314.8	312.5
30°	1351.9	1280.2	1023.2	671.3	347.2	266.2	257.0	257.0	263.9	273.2	273.2
32.5°	1349.6	1252.4	953.7	546.3	277.8	240.8	236.1	238.4	238.4	243.1	240.8
35°	1331.1	1215.3	882.0	423.6	240.8	226.9	222.2	219.9	219.9	217.6	217.6
37.5°	1324.1	1192.2	807.9	328.7	224.5	215.3	210.7	203.7	201.4	201.4	199.1
40°	1331.1	1169.0	736.1	266.2	210.7	206.0	199.1	189.8	187.5	187.5	187.5
42.5°	1356.5	1166.7	662.1	231.5	203.7	196.8	187.5	178.2	175.9	178.2	175.9
45°	1414.4	1185.2	590.3	215.3	194.5	187.5	175.9	169.0	166.7	169.0	169.0
47.5°	1509.3	1236.2	525.5	206.0	187.5	178.2	166.7	159.7	159.7	159.7	159.7
50°	1666.7	1333.4	463.0	199.1	182.9	171.3	159.7	150.5	148.2	148.2	150.5
52.5°	1902.9	1500.1	412.1	194.5	175.9	162.0	150.5	143.5	138.9	136.6	138.9
55°	2187.6	1743.1	395.9	189.8	166.7	155.1	143.5	134.3	129.6	129.6	127.3
57.5°	2493.2	2011.7	423.6	185.2	159.7	145.8	134.3	125.0	120.4	118.1	118.1
60°	2824.2	2328.8	525.5	182.9	152.8	136.6	125.0	118.1	111.1	108.8	108.8
62.5°	3125.1	2615.9	708.4	180.6	148.2	127.3	115.7	106.5	101.9	99.5	99.5
65°	3467.8	2935.3	886.6	189.8	145.8	120.4	106.5	97.2	92.6	90.3	90.3
67.5°	3766.4	3213.1	990.8	213.0	152.8	111.1	94.9	88.0	85.7	83.3	83.3
70°	3984.0	3298.8	664.4	233.8	164.4	104.2	85.7	81.0	76.4	76.4	76.4
72.5°	3692.3	2944.6	393.5	219.9	155.1	97.2	76.4	71.8	69.4	69.4	67.1
75°	3157.6	2507.1	303.3	178.2	125.0	83.3	67.1	62.5	60.2	60.2	57.9
77.5°	2331.1	1796.4	224.5	141.2	97.2	67.1	57.9	55.6	53.2	50.9	50.9
80°	912.1	787.1	152.8	104.2	71.8	53.2	48.6	46.3	44.0	41.7	41.7
82.5°	282.4	238.4	88.0	69.4	50.9	41.7	39.4	37.0	34.7	32.4	32.4
85°	122.7	118.1	57.9	44.0	34.7	27.8	27.8	25.5	23.1	20.8	20.8
87.5°	60.2	57.9	32.4	20.8	18.5	13.9	13.9	11.6	9.3	9.3	9.3
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)