

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: P673698

Luminaire Tested: **CCP-SA-1E-740-U-SL2-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673698  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-740-U-SL2-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ SL2 distribution lens and House Side Shield  
Light Source: (16) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

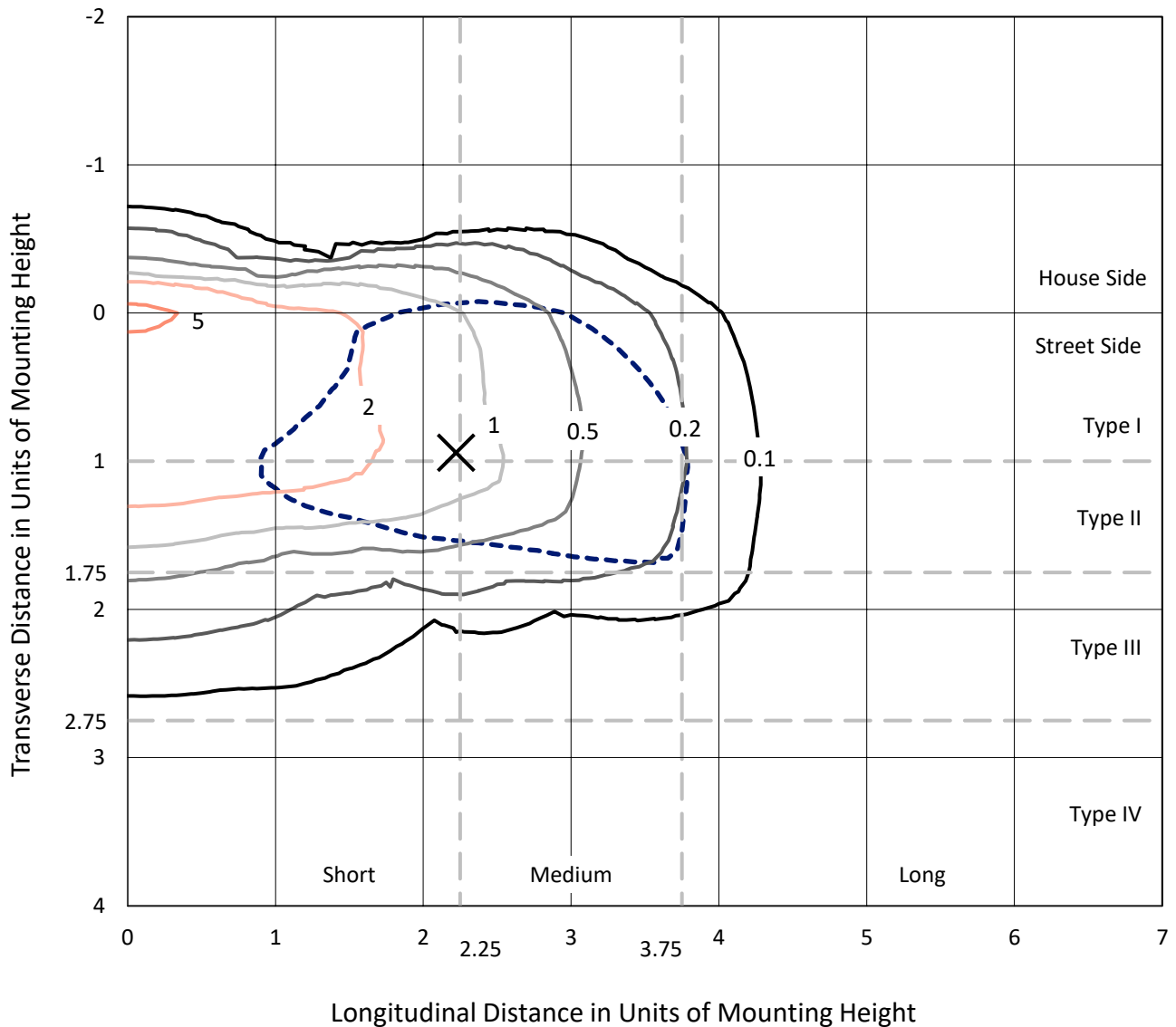
Lumens per Lamp: N/A  
Luminaire Lumens: 5498 lumens  
Efficiency: N/A  
Efficacy: 98.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1  
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

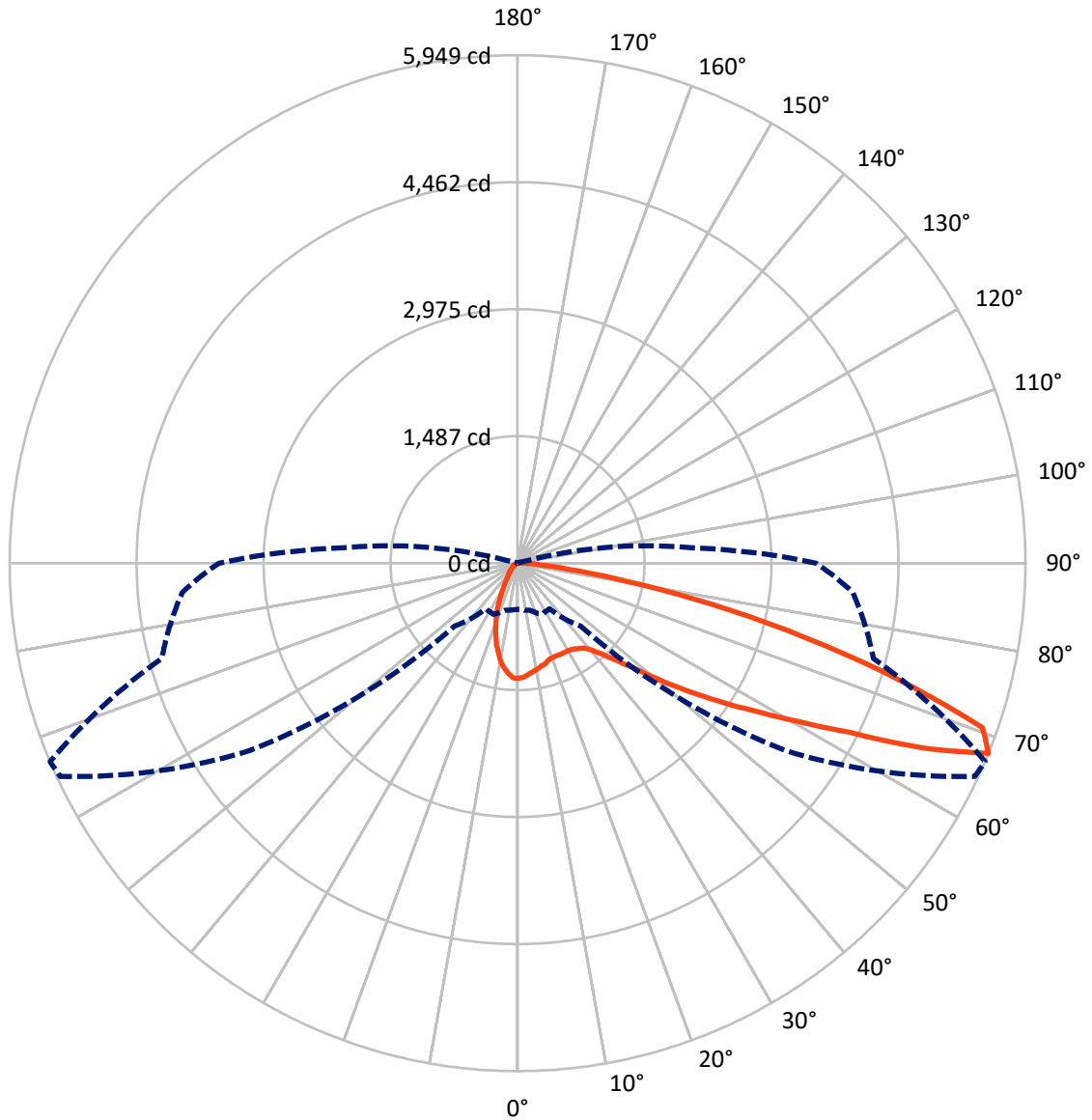
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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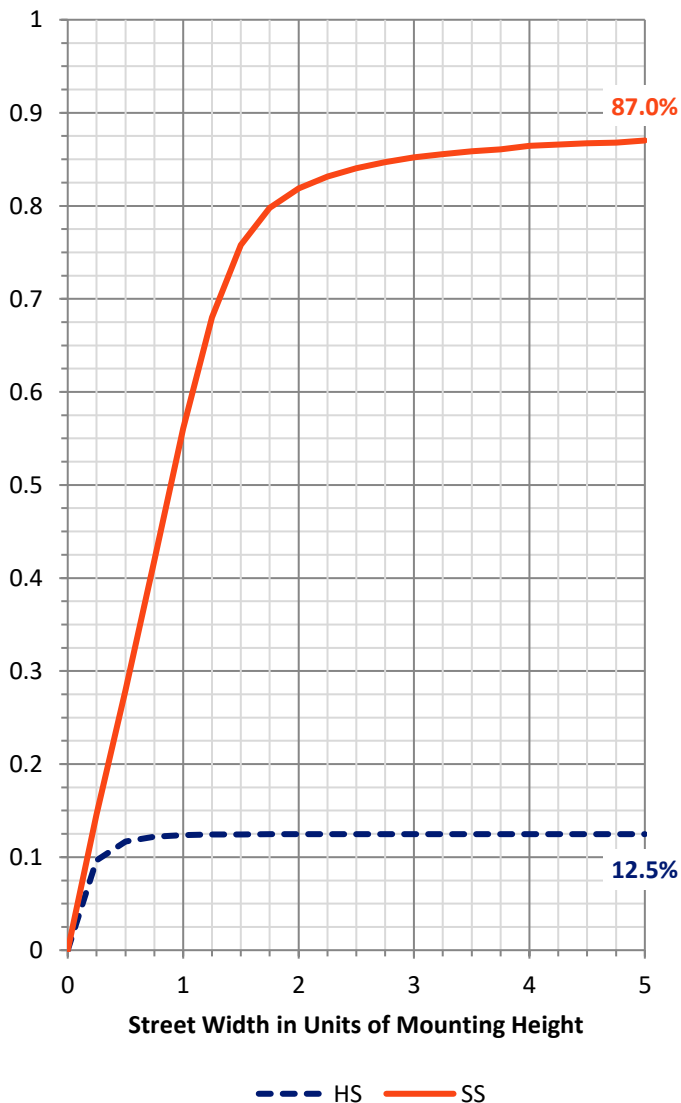
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	691.9	0.0	691.9
	% Fixture	12.6	0.0	12.6
<b>Street Side</b>	Lumens	4806.1	0.0	4806.1
	% Fixture	87.4	0.0	87.4
<b>Total</b>	Lumens	5498.0	0.0	5498.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.6	2.1
10°-20°	252.4	4.6
20°-30°	358.9	6.5
30°-40°	522.6	9.5
40°-50°	808.9	14.7
50°-60°	1241.4	22.6
60°-70°	1345.7	24.5
70°-80°	759.2	13.8
80°-90°	95.4	1.7
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°	5498.0	100.0
0°-180°	5498.0	100.0

**Coefficient of Utilization**



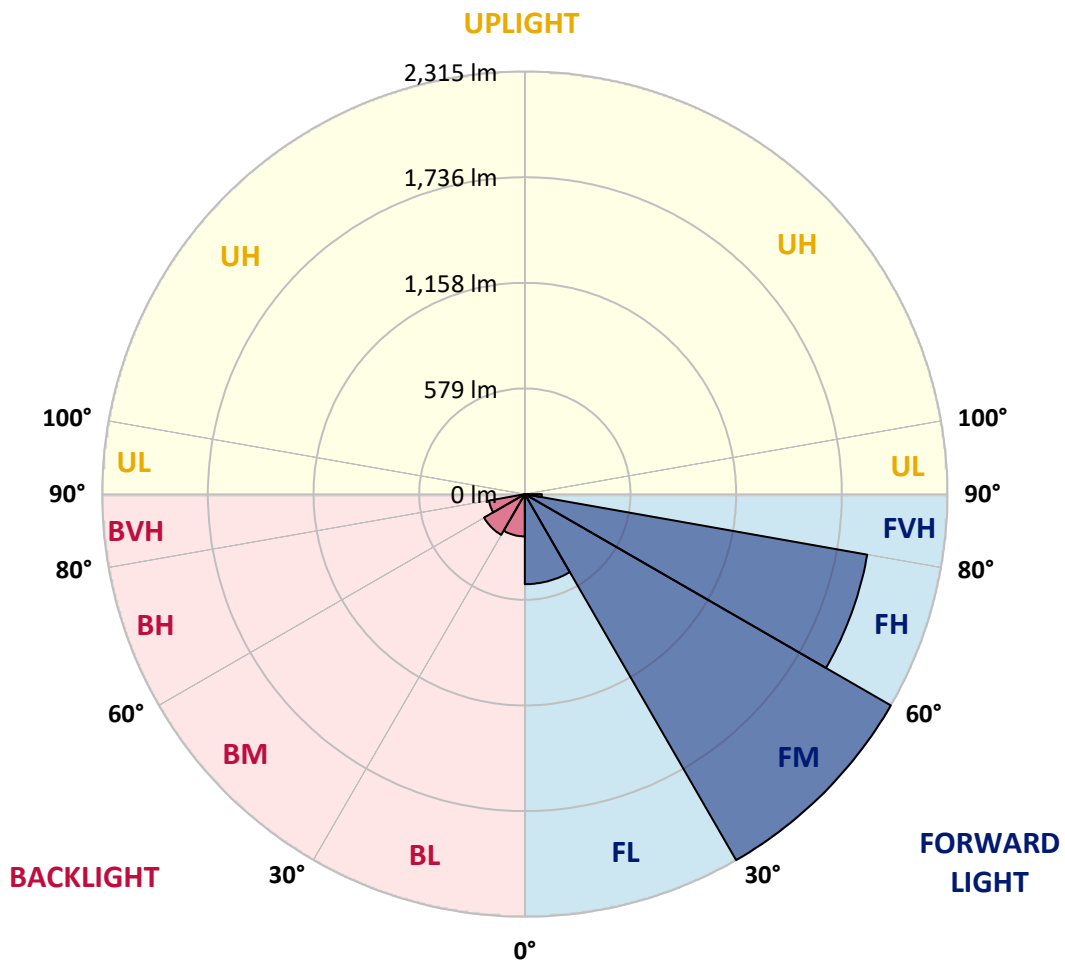
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	493.3	9.0			
FM (30°-60°)	2315.2	42.1			
FH (60°-80°)	1905.0	34.6			G2/5000
FVH (80°-90°)	92.6	1.7			G1/100
BL (0°-30°)	231.6	4.2	B1/500		
BM (30°-60°)	257.7	4.7	B1/1000		
BH (60°-80°)	199.9	3.6	B1/500		G1/500
BVH (80°-90°)	2.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1348.6	1348.6	1348.6	1348.6	1348.6	1348.6	1348.6	1348.6	1348.6	1348.6	1348.6
2.5°	1290.3	1296.9	1306.2	1319.4	1328.7	1323.4	1327.4	1349.9	1338.0	1348.6	1343.3
5°	1218.7	1225.4	1238.6	1237.3	1247.9	1267.8	1294.3	1323.4	1310.2	1341.9	1353.9
7.5°	1144.6	1141.9	1141.9	1169.7	1192.3	1220.1	1234.6	1282.3	1283.7	1311.5	1340.6
10°	1077.0	1084.9	1098.2	1108.8	1130.0	1169.7	1212.1	1249.2	1263.8	1319.4	1327.4
12.5°	1035.9	1039.9	1055.8	1065.1	1092.9	1131.3	1176.4	1224.0	1236.0	1292.9	1331.3
15°	1018.7	1028.0	1033.3	1050.5	1065.1	1100.8	1134.0	1188.3	1222.7	1267.8	1315.5
17.5°	1032.0	1028.0	1030.6	1035.9	1053.2	1084.9	1120.7	1175.0	1187.0	1262.5	1334.0
20°	1049.2	1050.5	1042.6	1039.9	1035.9	1066.4	1095.5	1165.8	1179.0	1262.5	1345.9
22.5°	1095.5	1081.0	1095.5	1074.4	1053.2	1066.4	1094.2	1167.1	1176.4	1261.1	1357.8
25°	1152.5	1155.2	1159.1	1114.1	1083.6	1074.4	1103.5	1171.1	1179.0	1271.7	1363.1
27.5°	1233.3	1245.2	1225.4	1202.8	1141.9	1095.5	1102.2	1168.4	1183.0	1266.4	1376.4
30°	1341.9	1332.7	1335.3	1283.7	1224.0	1151.2	1132.6	1175.0	1185.6	1273.1	1401.6
32.5°	1436.0	1425.4	1443.9	1425.4	1331.3	1230.7	1168.4	1188.3	1200.2	1289.0	1422.8
35°	1494.3	1507.5	1536.7	1556.5	1477.1	1334.0	1228.0	1224.0	1229.3	1296.9	1438.6
37.5°	1584.4	1608.2	1632.1	1682.4	1613.5	1461.2	1322.1	1270.4	1261.1	1335.3	1446.6
40°	1682.4	1675.8	1746.0	1805.6	1802.9	1640.0	1453.2	1352.5	1339.3	1396.3	1499.6
42.5°	1764.5	1757.9	1836.1	1934.1	1944.7	1812.2	1602.9	1469.1	1457.2	1490.3	1564.5
45°	1871.8	1877.1	1969.9	2086.4	2124.9	2040.1	1805.6	1636.0	1629.4	1618.8	1687.7
47.5°	1967.2	1996.4	2075.8	2213.6	2352.7	2275.9	2044.0	1879.8	1833.4	1809.6	1878.5
50°	2033.5	2059.9	2156.6	2303.7	2558.0	2607.1	2311.6	2139.4	2140.8	2082.5	2119.6
52.5°	2033.5	2032.1	2110.3	2303.7	2701.1	2952.8	2669.3	2466.6	2477.2	2416.3	2418.9
55°	1837.4	1833.4	1928.8	2134.1	2685.2	3285.3	3211.1	2881.3	2854.8	2736.9	2748.8
57.5°	1479.7	1489.0	1561.8	1808.2	2478.6	3440.3	3856.3	3347.6	3257.5	3013.7	3013.7
60°	1079.6	1071.7	1126.0	1298.2	1985.8	3382.0	4386.2	3897.3	3755.6	3242.9	3208.5
62.5°	821.3	820.0	834.6	892.9	1259.8	2948.8	4614.0	4596.8	4366.3	3468.1	3419.1
65°	663.7	666.3	686.2	727.3	769.7	2010.9	4493.5	5431.4	5220.7	3803.3	3643.0
67.5°	541.8	548.4	572.3	661.0	651.8	1041.2	3827.1	5909.6	5949.3	4314.6	3943.7
70°	417.3	427.9	455.7	581.6	627.9	692.8	2653.4	5671.1	5777.1	4632.6	3762.2
72.5°	283.5	282.2	341.8	471.6	634.5	634.5	1477.1	4567.6	4668.3	4270.9	3268.1
75°	153.7	162.9	226.5	356.4	581.6	613.3	841.2	3342.3	3484.0	3321.1	2527.6
77.5°	83.5	84.8	125.8	233.2	483.5	585.5	561.7	2273.2	2328.9	2003.0	1384.3
80°	43.7	45.0	66.2	152.3	333.8	543.1	467.6	1355.2	1302.2	768.3	457.0
82.5°	19.9	21.2	33.1	95.4	213.3	427.9	404.0	654.4	604.1	214.6	139.1
85°	7.9	7.9	14.6	57.0	124.5	210.6	345.8	328.5	274.2	64.9	68.9
87.5°	2.6	2.6	4.0	22.5	50.3	125.8	184.1	173.5	119.2	23.8	37.1
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°	1348.6	1348.6	1348.6	1348.6	1348.6	1348.6	1348.6	1348.6	1348.6	1348.6	1348.6
2.5°	1338.0	1352.5	1348.6	1345.9	1320.7	1318.1	1315.5	1291.6	1299.6	1279.7	1292.9
5°	1345.9	1353.9	1332.7	1292.9	1257.2	1217.4	1187.0	1165.8	1127.3	1112.8	1110.1
7.5°	1338.0	1338.0	1294.3	1230.7	1160.5	1095.5	1013.4	955.1	911.4	878.3	890.2
10°	1327.4	1311.5	1266.4	1153.8	1026.7	928.6	810.7	724.6	659.7	638.5	625.3
12.5°	1327.4	1299.6	1198.9	1045.2	880.9	732.6	592.2	479.5	417.3	380.2	374.9
15°	1315.5	1274.4	1149.9	943.2	739.2	537.8	377.5	280.8	227.9	213.3	208.0
17.5°	1318.1	1269.1	1077.0	822.7	573.6	357.7	230.5	177.5	164.3	157.6	159.0
20°	1323.4	1269.1	1012.1	704.8	413.3	222.6	159.0	149.7	143.1	140.4	141.7
22.5°	1340.6	1243.9	945.9	584.2	279.5	160.3	140.4	131.1	125.8	121.9	120.5
25°	1343.3	1239.9	882.3	465.0	192.1	135.1	123.2	112.6	106.0	100.7	99.4
27.5°	1339.3	1222.7	793.5	345.8	144.4	120.5	104.7	94.1	84.8	80.8	79.5
30°	1353.9	1190.9	718.0	249.0	121.9	104.7	88.8	76.8	68.9	63.6	63.6
32.5°	1355.2	1163.1	634.5	177.5	111.3	92.7	75.5	62.3	54.3	51.7	51.7
35°	1356.5	1137.9	541.8	135.1	99.4	79.5	62.3	51.7	46.4	42.4	42.4
37.5°	1360.5	1119.4	457.0	113.9	88.8	67.6	51.7	42.4	37.1	35.8	35.8
40°	1368.4	1094.2	368.3	100.7	76.8	57.0	43.7	35.8	30.5	29.1	27.8
42.5°	1389.6	1087.6	294.1	90.1	68.9	47.7	35.8	29.1	25.2	22.5	21.2
45°	1477.1	1104.8	227.9	83.5	58.3	39.7	30.5	23.8	18.5	17.2	15.9
47.5°	1620.1	1161.8	180.2	74.2	49.0	33.1	25.2	18.5	14.6	13.2	11.9
50°	1837.4	1291.6	147.0	66.2	41.1	27.8	19.9	14.6	10.6	9.3	9.3
52.5°	2122.2	1466.5	127.2	58.3	33.1	23.8	15.9	10.6	7.9	6.6	6.6
55°	2413.6	1673.1	119.2	50.3	27.8	19.9	11.9	7.9	5.3	4.0	4.0
57.5°	2681.2	1806.9	115.3	41.1	23.8	14.6	9.3	5.3	2.6	1.3	1.3
60°	2848.2	1905.0	103.3	33.1	18.5	11.9	6.6	2.6	1.3	0.0	0.0
62.5°	3068.1	2004.3	84.8	25.2	13.2	7.9	4.0	1.3	0.0	0.0	0.0
65°	3358.2	2115.6	66.2	19.9	10.6	5.3	2.6	1.3	0.0	0.0	0.0
67.5°	3497.3	2057.3	45.0	14.6	6.6	2.6	1.3	0.0	0.0	0.0	0.0
70°	3219.1	1732.7	31.8	10.6	4.0	1.3	1.3	0.0	0.0	0.0	0.0
72.5°	2706.4	1357.8	23.8	6.6	2.6	1.3	0.0	0.0	0.0	0.0	0.0
75°	1995.0	849.1	18.5	5.3	2.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1058.5	316.6	13.2	4.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	312.6	92.7	9.3	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	103.3	27.8	5.3	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	53.0	10.6	2.6	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	30.5	4.0	2.6	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
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)