

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: P672316

Luminaire Tested: **CCP-SA-2B-835-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672316
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-835-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T3R distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

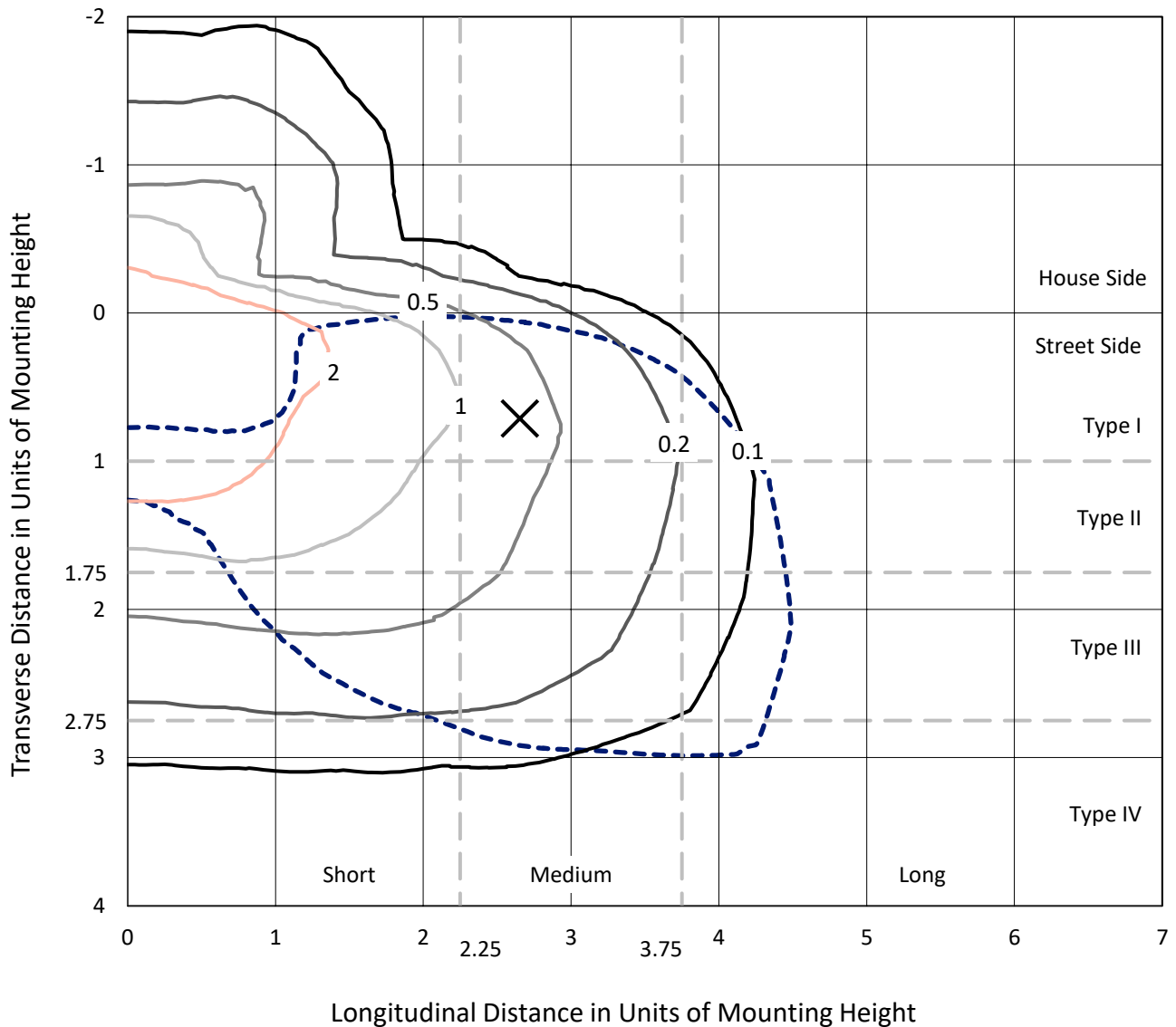
Lumens per Lamp: N/A
Luminaire Lumens: 5783.9 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 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

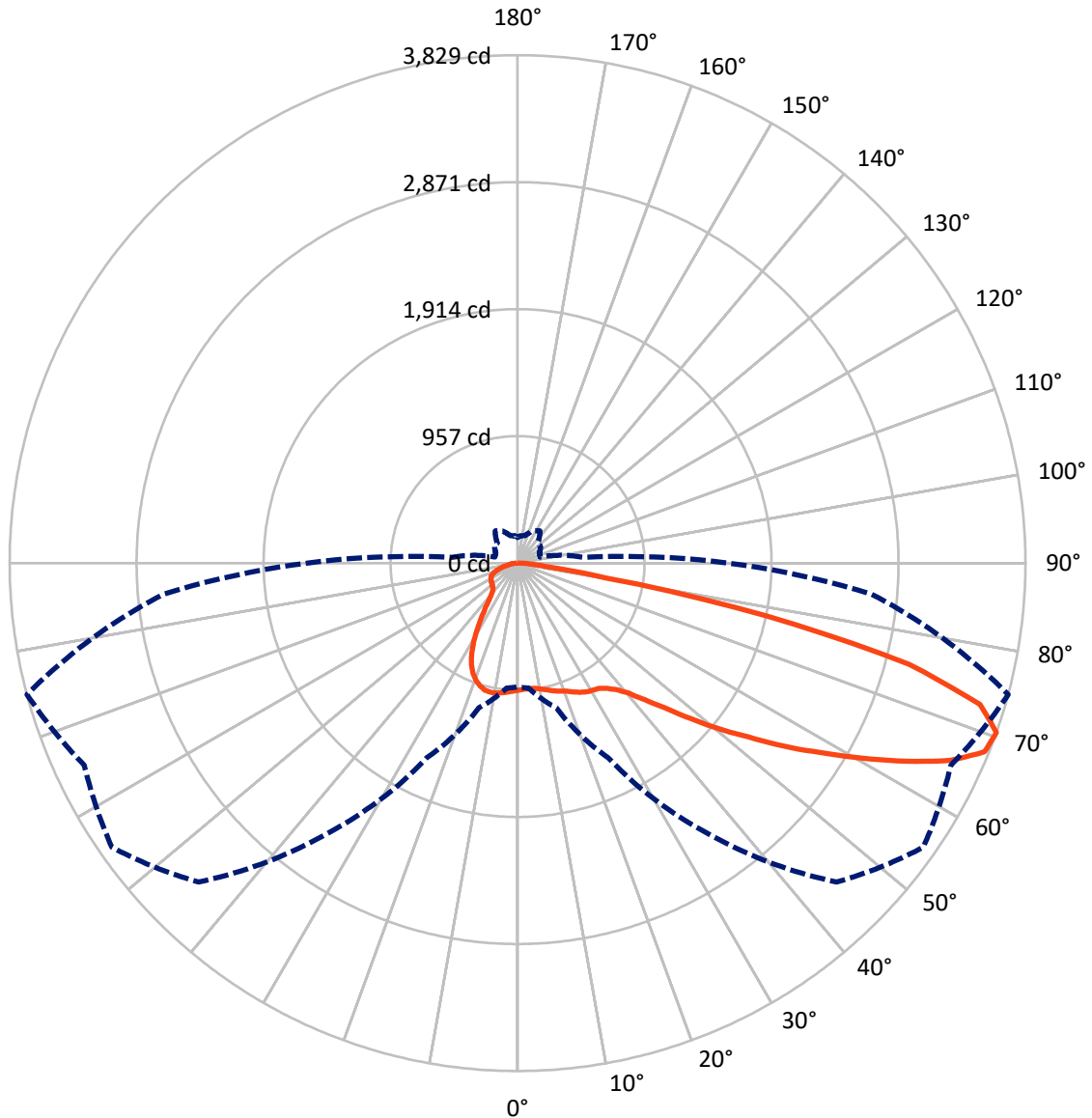
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.4 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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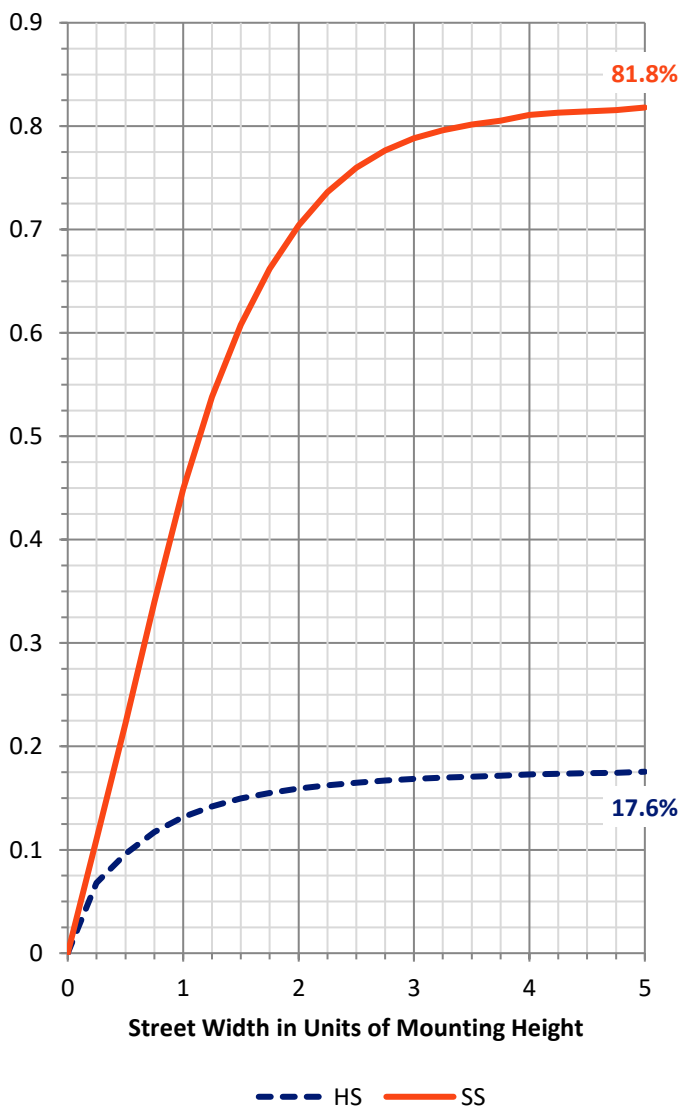
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1029.0	0.0	1029.0
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	4754.9	0.0	4754.9
	% Fixture	82.2	0.0	82.2
Total	Lumens	5783.9	0.0	5783.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.0	1.5
10°-20°	229.7	4.0
20°-30°	387.0	6.7
30°-40°	587.8	10.2
40°-50°	842.1	14.6
50°-60°	1116.4	19.3
60°-70°	1397.1	24.2
70°-80°	1020.2	17.6
80°-90°	117.6	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°	5783.9	100.0
0°-180°	5783.9	100.0



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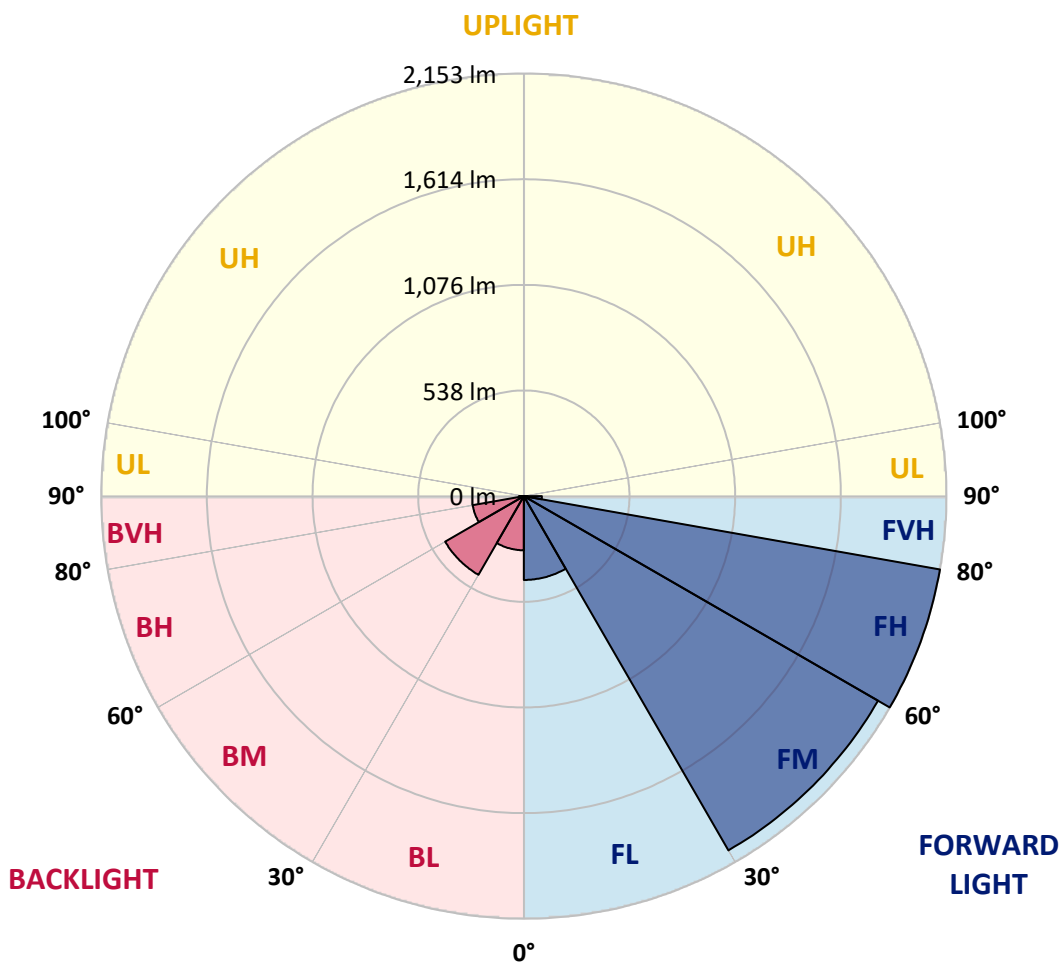
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	426.9	7.4			
FM (30°-60°)	2083.6	36.0			
FH (60°-80°)	2152.6	37.2			G2/5000
FVH (80°-90°)	91.8	1.6			G1/100
BL (0°-30°)	275.8	4.8	B1/500		
BM (30°-60°)	462.7	8.0	B1/1000		
BH (60°-80°)	264.7	4.6	B1/500		G1/500
BVH (80°-90°)	25.8	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°	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1
2.5°	905.6	910.6	915.2	919.8	923.5	933.5	935.6	946.4	949.3	951.8	955.2
5°	854.9	858.6	863.2	870.7	878.6	896.5	909.0	932.7	946.0	950.2	961.8
7.5°	827.4	828.6	834.9	841.1	850.3	867.8	884.8	921.9	948.5	953.1	978.1
10°	807.4	809.1	814.9	823.6	832.8	849.0	870.3	914.4	957.7	964.7	1000.1
12.5°	800.3	799.5	806.2	812.0	824.9	845.3	867.3	914.8	970.1	980.1	1032.2
15°	828.6	823.2	827.4	825.3	829.5	849.4	875.7	923.9	985.5	998.0	1065.5
17.5°	891.1	886.5	883.6	865.7	854.0	865.3	890.2	936.8	1001.8	1015.1	1095.4
20°	984.3	971.4	960.6	930.6	898.1	894.4	911.9	949.8	1017.2	1030.1	1127.0
22.5°	1090.4	1080.0	1062.5	1010.1	959.7	934.8	939.3	973.5	1039.6	1053.8	1163.3
25°	1224.4	1224.0	1188.2	1117.5	1041.3	991.0	981.4	1011.3	1065.0	1078.8	1193.2
27.5°	1377.2	1366.8	1324.3	1233.2	1137.5	1060.5	1038.0	1050.1	1085.4	1099.6	1217.4
30°	1507.9	1509.1	1465.8	1366.4	1239.8	1128.3	1085.8	1077.9	1098.7	1112.9	1239.8
32.5°	1647.7	1640.6	1601.1	1498.7	1350.5	1201.1	1116.6	1097.9	1112.5	1125.8	1271.1
35°	1779.2	1771.3	1737.2	1626.9	1472.5	1281.5	1158.3	1129.1	1144.9	1159.5	1309.3
37.5°	1904.5	1905.7	1867.0	1761.7	1590.7	1376.3	1219.9	1176.2	1193.2	1209.5	1367.6
40°	2014.0	2007.7	1977.7	1882.9	1713.5	1472.9	1289.4	1240.3	1273.5	1288.5	1441.3
42.5°	2048.9	2048.5	2060.2	2001.9	1842.5	1587.8	1375.9	1340.1	1387.2	1409.6	1531.6
45°	2018.5	2027.7	2095.1	2093.4	1971.5	1719.7	1494.1	1461.7	1529.5	1554.9	1641.9
47.5°	1988.6	2002.3	2093.9	2145.9	2087.2	1865.0	1639.4	1615.2	1712.6	1749.3	1756.3
50°	1944.9	1957.8	2066.8	2153.4	2158.0	2011.9	1827.5	1797.1	1922.4	1959.8	1880.8
52.5°	1896.2	1906.2	2018.9	2148.0	2191.7	2126.7	2011.9	2003.1	2147.1	2177.5	2007.3
55°	1627.3	1669.8	1948.6	2136.3	2215.0	2214.6	2191.3	2220.0	2392.3	2437.6	2148.4
57.5°	1472.9	1495.4	1750.5	2129.7	2258.7	2295.7	2376.5	2438.1	2654.1	2694.8	2304.0
60°	1422.5	1442.5	1651.0	2121.7	2345.7	2422.7	2557.5	2657.4	2935.4	2985.3	2478.0
62.5°	1376.8	1400.9	1610.7	2058.9	2451.0	2623.7	2773.5	2894.6	3232.1	3291.2	2651.1
65°	1283.5	1300.6	1536.6	2006.0	2550.8	2910.4	3085.2	3156.0	3519.7	3586.3	2766.0
67.5°	1122.5	1138.7	1369.7	1884.5	2615.8	3208.8	3426.1	3426.5	3742.0	3796.5	2790.2
70°	933.1	945.6	1129.1	1619.8	2480.5	3400.3	3733.7	3603.4	3804.8	3828.6	2675.3
72.5°	667.2	678.0	827.0	1197.4	2033.9	3245.1	3803.6	3595.9	3652.5	3645.0	2348.6
75°	411.2	432.0	506.5	730.8	1264.0	2553.3	3423.2	3258.4	3066.9	3046.1	1768.4
77.5°	268.0	278.8	342.5	431.2	557.7	1465.8	2600.0	2443.0	1936.5	1912.4	950.6
80°	161.1	179.0	224.3	270.9	252.6	560.6	1484.6	1213.6	684.2	676.7	292.2
82.5°	86.6	102.8	158.2	167.7	141.9	198.1	537.7	394.6	218.9	216.4	109.5
85°	68.7	76.6	113.6	106.1	80.3	100.3	209.8	164.4	112.4	109.9	41.2
87.5°	41.6	52.4	86.2	71.6	40.0	36.2	96.1	77.8	52.9	49.1	16.2
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°	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1	958.1
2.5°	961.4	963.5	965.6	961.4	963.1	961.0	961.0	961.0	955.6	953.9	958.9
5°	970.6	973.5	975.1	962.2	954.3	942.7	933.1	918.5	910.2	904.8	904.8
7.5°	989.3	992.6	985.1	956.4	928.5	897.3	865.3	838.6	819.5	811.2	813.7
10°	1016.8	1018.0	993.0	940.2	880.7	822.8	777.4	742.1	718.3	706.3	704.6
12.5°	1048.8	1043.4	994.7	904.4	816.2	738.3	683.0	637.2	606.8	595.2	589.3
15°	1080.4	1067.5	988.5	861.5	742.9	649.3	578.5	535.2	516.5	511.1	509.0
17.5°	1108.7	1084.6	967.6	799.9	658.0	545.2	493.2	477.8	479.9	484.9	486.9
20°	1134.5	1097.5	937.7	726.7	551.9	464.1	451.2	465.3	477.0	484.4	485.7
22.5°	1162.8	1110.0	896.1	637.6	464.9	426.6	442.0	458.2	469.9	477.4	478.6
25°	1184.5	1109.6	837.4	531.9	409.9	416.6	434.9	449.5	458.2	463.6	463.2
27.5°	1198.2	1099.6	760.4	444.9	388.3	409.5	427.0	436.6	441.6	445.7	445.3
30°	1202.4	1080.4	663.4	380.8	378.3	402.9	416.2	422.0	425.8	429.9	429.9
32.5°	1210.7	1050.9	556.4	345.0	370.8	396.2	404.1	408.7	405.8	395.4	393.3
35°	1219.9	1018.0	455.3	328.4	363.8	391.6	399.1	387.1	355.4	351.3	349.6
37.5°	1237.8	987.6	369.6	316.7	362.1	394.1	400.4	352.1	325.5	312.6	310.5
40°	1268.1	957.2	312.1	308.4	364.2	405.0	383.7	335.5	291.3	266.8	262.6
42.5°	1308.1	920.2	279.7	304.2	370.0	422.4	377.9	311.7	263.4	246.8	244.3
45°	1354.3	871.1	264.3	303.4	377.1	431.2	379.6	292.6	251.0	238.1	237.2
47.5°	1402.2	822.8	257.6	302.6	385.8	427.4	356.7	286.8	246.0	242.2	244.7
50°	1453.8	767.9	252.2	300.5	392.9	427.4	344.2	285.5	247.6	256.0	264.3
52.5°	1502.0	721.7	246.0	294.2	395.8	419.9	340.4	290.1	250.1	248.1	250.5
55°	1560.7	698.0	242.6	285.5	390.4	397.0	335.9	302.6	252.2	235.1	235.1
57.5°	1627.7	693.0	237.6	273.9	372.9	365.4	335.5	310.1	246.8	231.0	228.1
60°	1708.5	703.8	231.4	259.3	351.7	340.9	332.5	310.1	238.1	223.9	225.2
62.5°	1773.8	702.5	227.7	246.4	323.4	315.5	327.1	305.9	234.7	223.1	222.7
65°	1789.2	675.9	216.8	229.7	288.4	284.7	321.3	295.5	230.2	218.5	215.2
67.5°	1737.2	615.5	200.6	207.7	251.4	251.8	310.9	281.8	223.9	216.0	210.6
70°	1589.4	497.8	176.5	181.0	211.4	216.8	295.5	265.5	213.5	205.2	192.3
72.5°	1330.2	357.9	148.6	149.8	168.1	182.3	268.9	243.5	198.1	178.5	164.8
75°	984.7	237.6	121.1	119.4	126.1	148.2	229.7	218.9	178.1	148.2	141.1
77.5°	520.7	140.7	93.2	93.6	89.5	113.6	182.3	190.2	158.2	124.9	117.8
80°	178.1	84.5	67.0	69.9	63.3	81.2	135.3	158.2	135.3	104.0	92.0
82.5°	81.6	51.6	47.9	49.9	45.4	54.9	92.8	119.9	107.8	75.7	61.2
85°	41.2	30.8	30.8	33.7	30.0	28.3	51.2	79.5	79.1	52.0	44.9
87.5°	17.1	15.0	14.2	16.2	14.2	10.8	14.6	28.7	41.6	31.2	20.0
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)