

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: P675063

Luminaire Tested: **CCW-SA-2C-850-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675063
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-850-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T3 distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

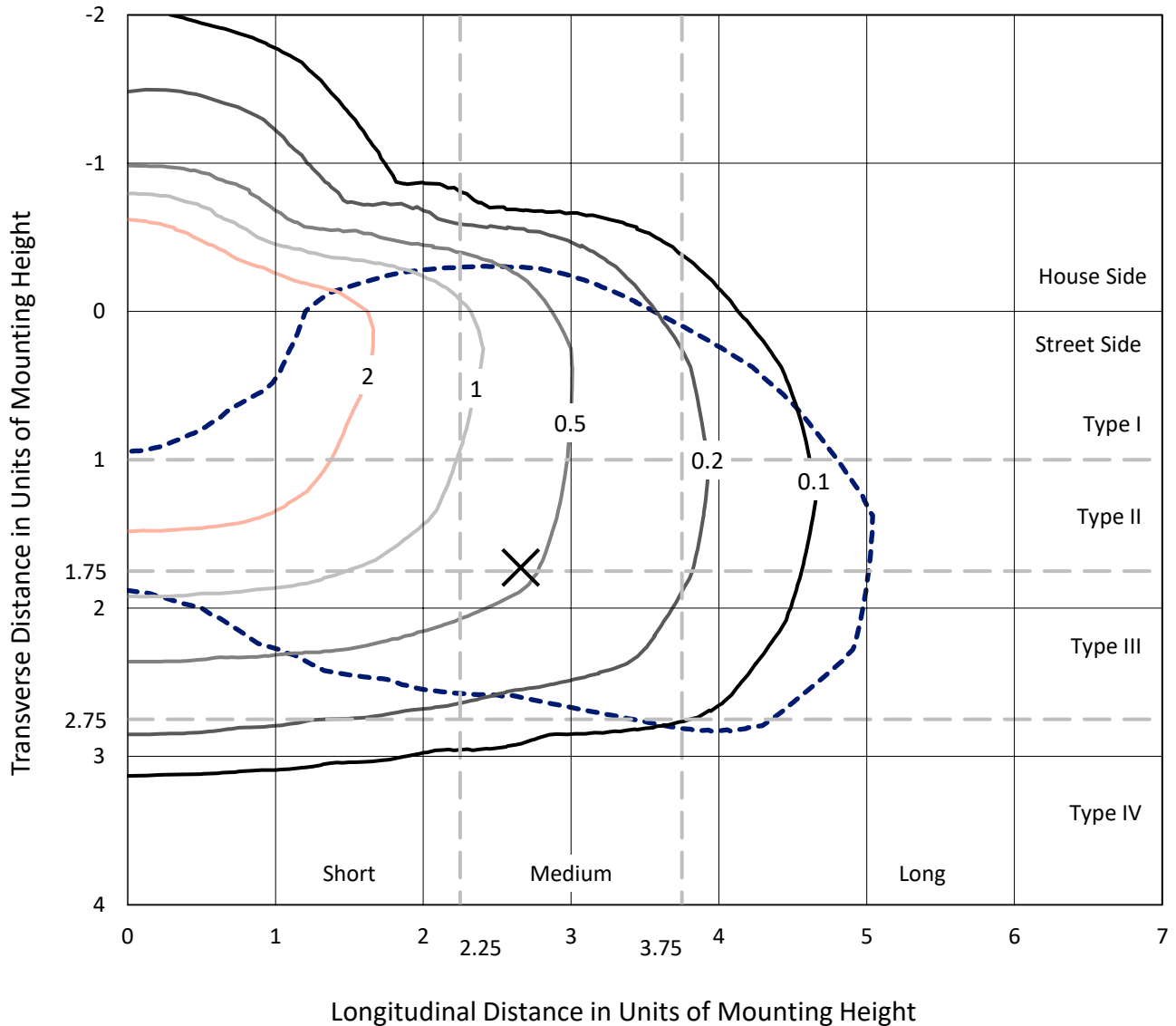
Lumens per Lamp: N/A
Luminaire Lumens: 7971.6 lumens
Efficiency: N/A
Efficacy: 128.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

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

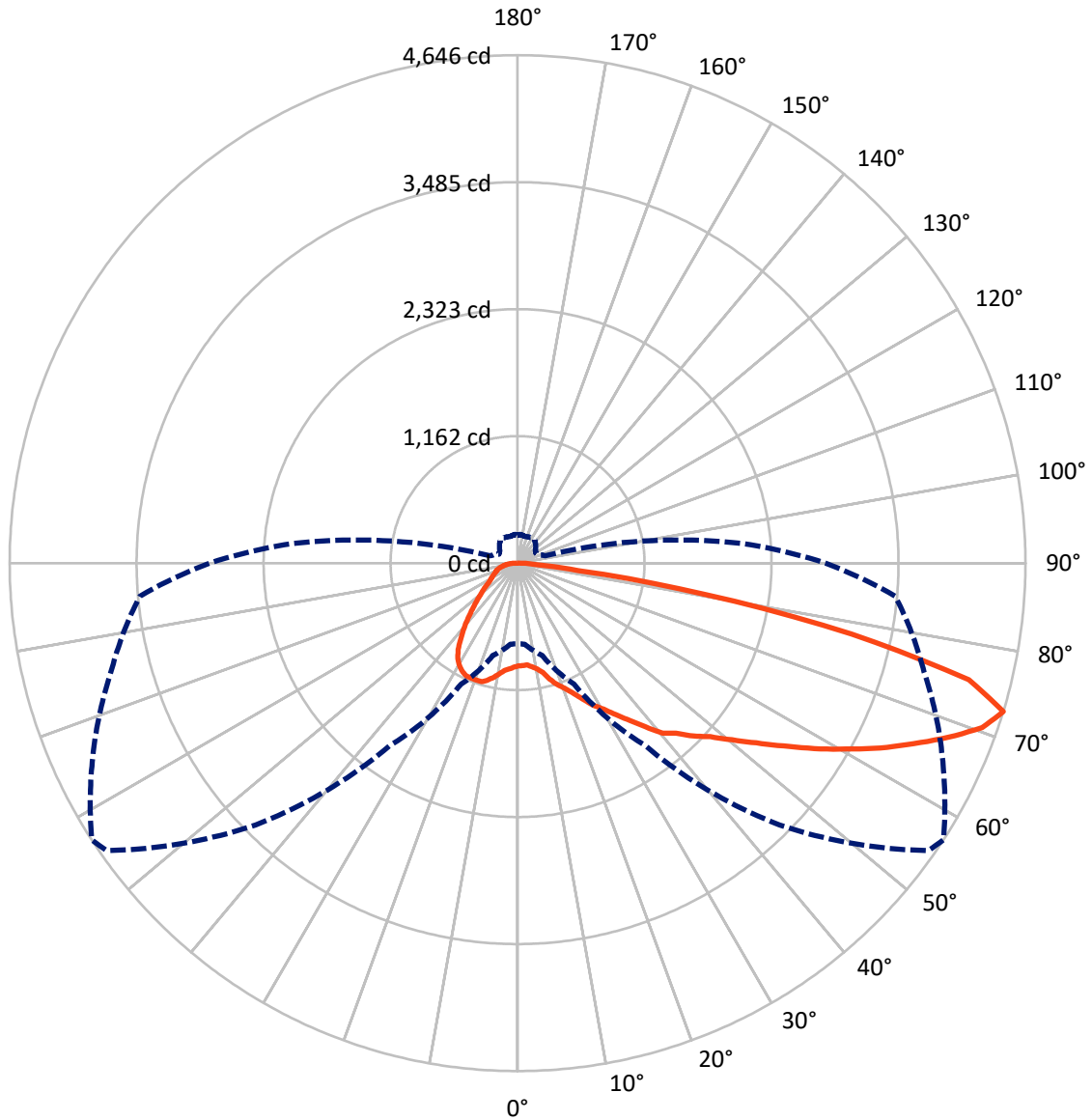
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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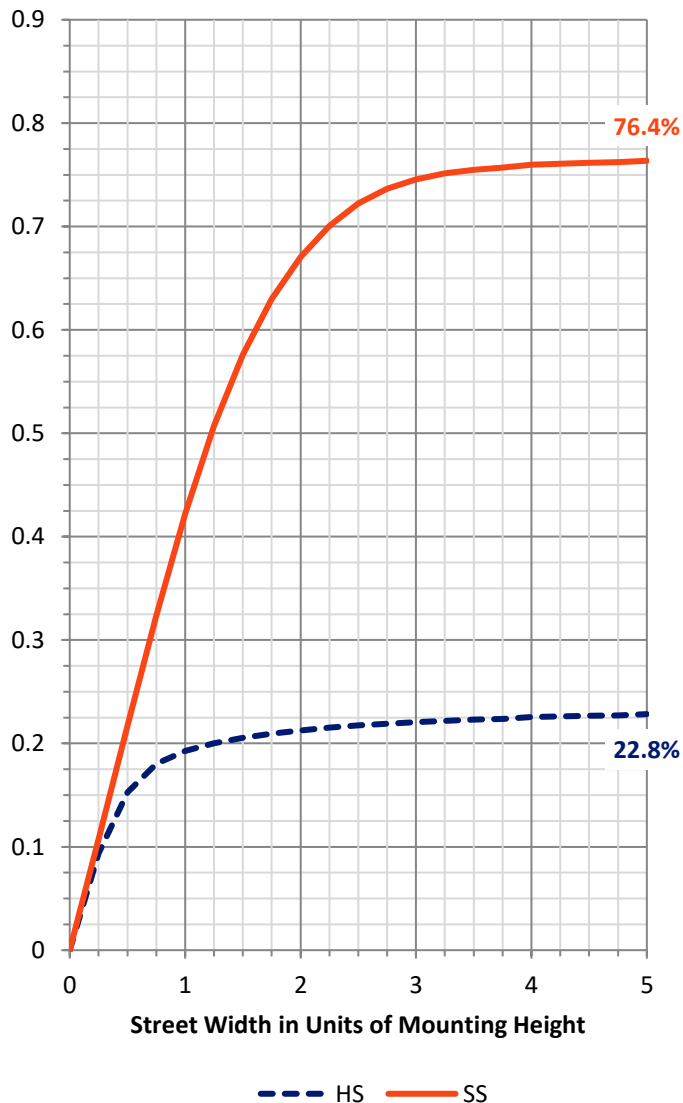
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1861.6	0.0	1861.6
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	6109.9	0.0	6109.9
	% Fixture	76.6	0.0	76.6
Total	Lumens	7971.6	0.0	7971.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.4	1.2
10°-20°	314.8	3.9
20°-30°	575.4	7.2
30°-40°	844.2	10.6
40°-50°	1162.3	14.6
50°-60°	1593.9	20.0
60°-70°	1921.3	24.1
70°-80°	1279.9	16.1
80°-90°	186.4	2.3
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°	7971.6	100.0
0°-180°	7971.6	100.0



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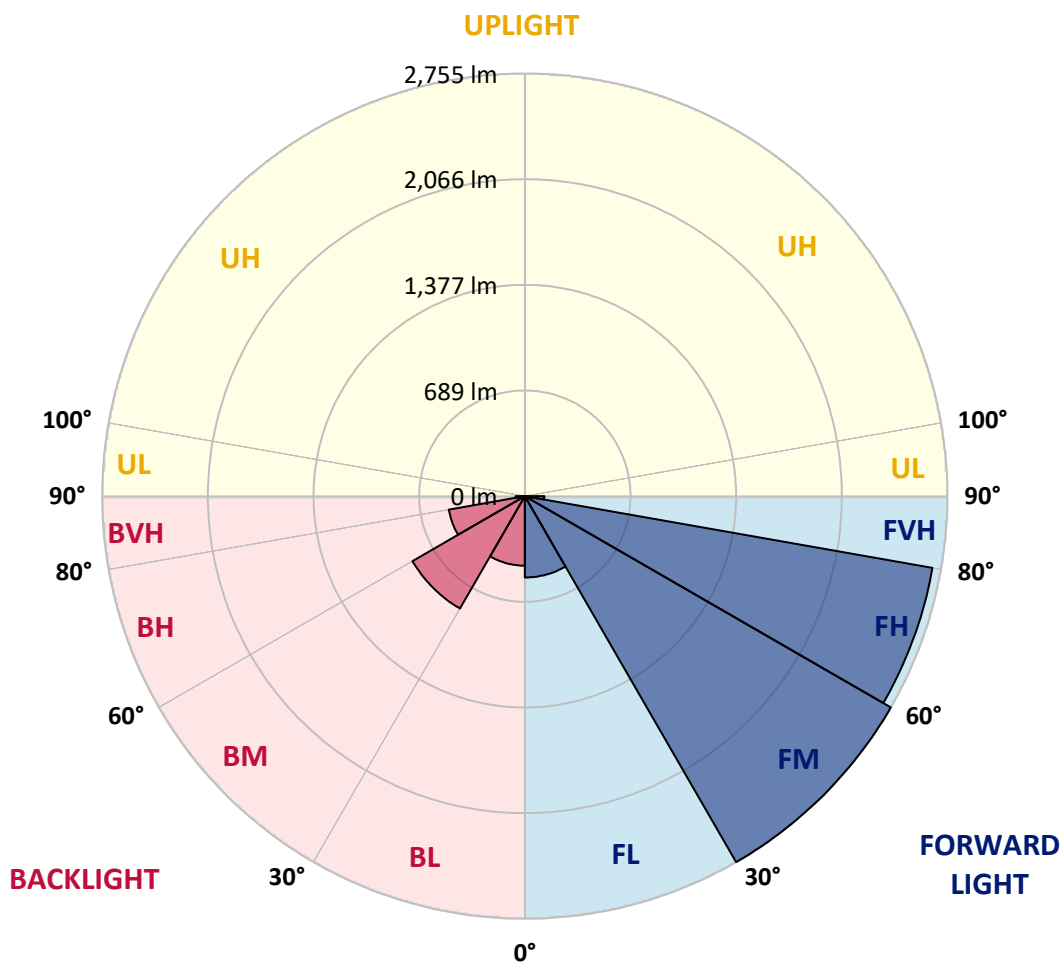
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	530.3	6.7			
FM (30°-60°)	2754.8	34.6			
FH (60°-80°)	2697.9	33.8			G2/5000
FVH (80°-90°)	126.9	1.6			G2/225
BL (0°-30°)	453.2	5.7	B1/500		
BM (30°-60°)	845.6	10.6	B1/1000		
BH (60°-80°)	503.3	6.3	B2/1000		G2/1000
BVH (80°-90°)	59.5	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	940.9	940.9	940.9	940.9	940.9	940.9	940.9	940.9	940.9	940.9	940.9
2.5°	923.5	926.4	932.2	929.3	929.3	920.6	935.1	938.0	932.2	935.1	940.9
5°	923.5	929.3	938.0	932.2	935.1	932.2	926.4	935.1	935.1	938.0	946.7
7.5°	972.8	969.9	969.9	961.2	958.3	955.4	958.3	958.3	952.5	955.4	955.4
10°	1028.0	1028.0	1022.2	1022.2	1016.4	1001.9	987.4	984.5	975.7	978.7	978.7
12.5°	1086.1	1091.9	1097.7	1080.3	1074.5	1051.3	1042.5	1025.1	1025.1	1019.3	1016.4
15°	1158.7	1150.0	1155.8	1150.0	1135.5	1112.2	1097.7	1100.6	1080.3	1074.5	1065.8
17.5°	1222.6	1225.5	1216.8	1211.0	1184.8	1167.4	1170.3	1167.4	1141.3	1132.6	1118.0
20°	1298.1	1295.2	1295.2	1277.8	1254.5	1231.3	1222.6	1219.7	1225.5	1208.1	1173.2
22.5°	1376.5	1364.9	1364.9	1350.4	1318.4	1303.9	1298.1	1286.5	1292.3	1277.8	1225.5
25°	1440.4	1440.4	1460.7	1431.7	1414.3	1385.2	1373.6	1376.5	1379.4	1350.4	1289.4
27.5°	1524.6	1510.1	1530.4	1515.9	1507.2	1475.2	1460.7	1469.4	1463.6	1431.7	1347.5
30°	1632.1	1635.0	1623.3	1603.0	1591.4	1568.2	1559.5	1550.7	1559.5	1518.8	1411.3
32.5°	1765.6	1774.3	1745.3	1722.1	1701.7	1678.5	1661.1	1652.4	1661.1	1600.1	1460.7
35°	1919.5	1928.3	1905.0	1878.9	1855.7	1797.6	1783.1	1768.5	1736.6	1637.9	1507.2
37.5°	2061.8	2050.2	2044.4	2044.4	2000.9	1916.6	1907.9	1899.2	1838.2	1713.4	1571.1
40°	2157.7	2172.2	2166.4	2160.6	2154.8	2076.4	2058.9	2044.4	1942.8	1826.6	1661.1
42.5°	2265.1	2256.4	2279.6	2288.4	2268.0	2244.8	2175.1	2125.7	2035.7	1942.8	1794.7
45°	2392.9	2387.1	2395.8	2427.8	2398.7	2407.4	2291.3	2256.4	2143.2	2088.0	1963.1
47.5°	2506.2	2520.7	2564.2	2573.0	2549.7	2590.4	2427.8	2372.6	2300.0	2256.4	2137.3
50°	2555.5	2573.0	2671.7	2732.7	2735.6	2799.5	2564.2	2541.0	2442.3	2459.7	2355.2
52.5°	2514.9	2570.0	2689.1	2848.8	2947.6	3011.5	2744.3	2732.7	2642.6	2697.8	2593.3
55°	2552.6	2604.9	2683.3	2906.9	3156.7	3171.2	2994.0	2950.5	2860.4	2936.0	2840.1
57.5°	2570.0	2541.0	2689.1	2970.8	3310.6	3348.3	3232.2	3200.2	3130.5	3203.1	3147.9
60°	2433.6	2468.4	2607.8	2953.4	3319.3	3537.1	3499.3	3452.9	3389.0	3455.8	3423.8
62.5°	2279.6	2302.9	2453.9	2848.8	3368.6	3673.6	3757.8	3722.9	3632.9	3691.0	3746.2
65°	2085.1	2088.0	2256.4	2663.0	3272.8	3752.0	3984.3	3981.4	3917.5	3903.0	3990.1
67.5°	1846.9	1870.2	2003.8	2465.5	3142.1	3839.1	4207.9	4251.5	4123.7	4010.4	4042.4
70°	1417.2	1440.4	1568.2	2021.2	2875.0	3813.0	4483.8	4507.0	4257.3	3969.8	3888.5
72.5°	737.6	743.4	874.1	1219.7	2038.6	3386.1	4585.4	4646.4	4292.1	3850.7	3467.4
75°	243.9	243.9	299.1	464.6	961.2	2166.4	4152.7	4263.1	4120.8	3554.5	2837.2
77.5°	145.2	148.1	177.1	232.3	383.3	865.4	2927.2	3121.8	3371.6	3023.1	2073.5
80°	104.5	107.4	133.6	159.7	229.4	278.8	1469.4	1739.5	2070.6	1945.7	1106.4
82.5°	78.4	78.4	104.5	119.1	156.8	165.5	409.5	560.5	894.4	697.0	304.9
85°	81.3	81.3	81.3	84.2	107.4	95.8	171.3	183.0	261.4	229.4	84.2
87.5°	29.0	31.9	81.3	55.2	55.2	40.7	66.8	72.6	92.9	95.8	31.9
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°	940.9	940.9	940.9	940.9	940.9	940.9	940.9	940.9	940.9	940.9	940.9
2.5°	943.8	943.8	946.7	946.7	952.5	958.3	967.0	961.2	961.2	964.1	961.2
5°	940.9	943.8	952.5	967.0	972.8	975.7	993.2	993.2	993.2	999.0	999.0
7.5°	952.5	958.3	972.8	987.4	990.3	999.0	1022.2	1028.0	1042.5	1048.3	1051.3
10°	981.6	990.3	1001.9	1019.3	1030.9	1042.5	1060.0	1080.3	1077.4	1094.8	1097.7
12.5°	1025.1	1022.2	1042.5	1060.0	1071.6	1089.0	1094.8	1094.8	1094.8	1094.8	1100.6
15°	1060.0	1065.8	1083.2	1094.8	1109.3	1106.4	1094.8	1083.2	1086.1	1083.2	1083.2
17.5°	1112.2	1112.2	1126.8	1129.7	1135.5	1106.4	1089.0	1089.0	1097.7	1097.7	1091.9
20°	1164.5	1161.6	1167.4	1164.5	1126.8	1091.9	1089.0	1091.9	1094.8	1091.9	1089.0
22.5°	1213.9	1208.1	1199.4	1187.7	1120.9	1089.0	1083.2	1068.7	1054.2	1054.2	1045.4
25°	1257.4	1251.6	1228.4	1193.5	1118.0	1071.6	1042.5	1007.7	990.3	981.6	993.2
27.5°	1298.1	1286.5	1254.5	1193.5	1091.9	1025.1	969.9	926.4	911.9	900.2	911.9
30°	1353.3	1332.9	1289.4	1184.8	1051.3	952.5	877.0	824.7	810.2	792.8	798.6
32.5°	1402.6	1356.2	1318.4	1158.7	999.0	871.2	784.1	731.8	705.7	691.2	702.8
35°	1454.9	1408.4	1330.0	1118.0	917.7	772.5	685.3	636.0	615.6	595.3	595.3
37.5°	1507.2	1481.0	1347.5	1042.5	818.9	679.5	601.1	563.4	528.5	490.8	490.8
40°	1617.5	1582.7	1367.8	955.4	720.2	589.5	534.3	485.0	450.1	397.8	394.9
42.5°	1733.7	1658.2	1367.8	850.9	633.1	525.6	473.4	421.1	357.2	325.2	328.2
45°	1881.8	1794.7	1330.0	757.9	546.0	473.4	415.3	348.5	319.4	299.1	299.1
47.5°	2067.7	1931.2	1283.6	656.3	476.3	426.9	354.3	313.6	293.3	275.9	273.0
50°	2288.4	2056.0	1225.5	569.2	418.2	383.3	322.3	290.4	273.0	261.4	261.4
52.5°	2520.7	2239.0	1184.8	490.8	371.7	325.2	299.1	278.8	264.3	255.6	252.6
55°	2755.9	2421.9	1155.8	406.6	328.2	299.1	293.3	275.9	270.1	261.4	255.6
57.5°	3020.2	2573.0	1150.0	348.5	293.3	287.5	299.1	284.6	275.9	267.2	258.5
60°	3304.8	2776.2	1097.7	302.0	275.9	281.7	290.4	275.9	270.1	261.4	255.6
62.5°	3586.4	2927.2	955.4	267.2	258.5	264.3	275.9	264.3	255.6	258.5	261.4
65°	3702.6	2938.9	740.5	241.0	238.1	241.0	258.5	255.6	246.8	264.3	264.3
67.5°	3586.4	2834.3	522.7	217.8	217.8	232.3	261.4	267.2	258.5	281.7	278.8
70°	3322.2	2575.9	354.3	203.3	209.1	246.8	270.1	264.3	252.6	281.7	275.9
72.5°	2819.8	2061.8	258.5	188.8	197.5	235.2	267.2	261.4	252.6	264.3	252.6
75°	2117.0	1466.5	203.3	171.3	174.2	212.0	275.9	261.4	238.1	232.3	223.6
77.5°	1414.3	906.1	156.8	151.0	151.0	185.9	264.3	243.9	214.9	206.2	203.3
80°	673.7	363.0	124.9	127.8	130.7	159.7	241.0	217.8	194.6	183.0	183.0
82.5°	214.9	136.5	104.5	104.5	104.5	130.7	200.4	183.0	168.4	159.7	145.2
85°	75.5	75.5	90.0	92.9	84.2	95.8	165.5	156.8	139.4	116.2	113.3
87.5°	29.0	43.6	61.0	72.6	52.3	66.8	119.1	110.4	101.6	75.5	72.6
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)