

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: P672338

Luminaire Tested: **CCP-SA-2B-850-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672338
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-850-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T3R distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

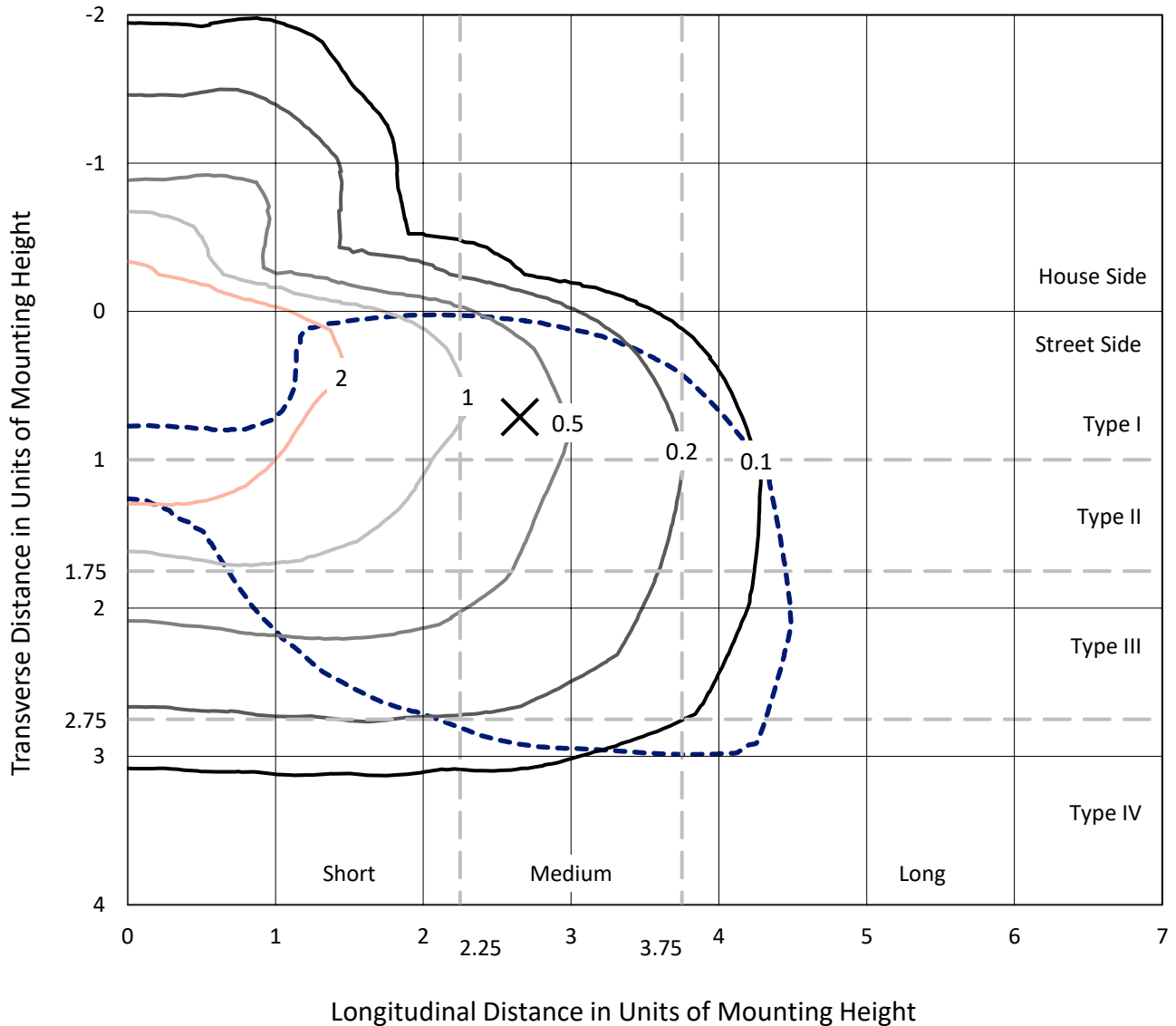
Lumens per Lamp: N/A
Luminaire Lumens: 6125 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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

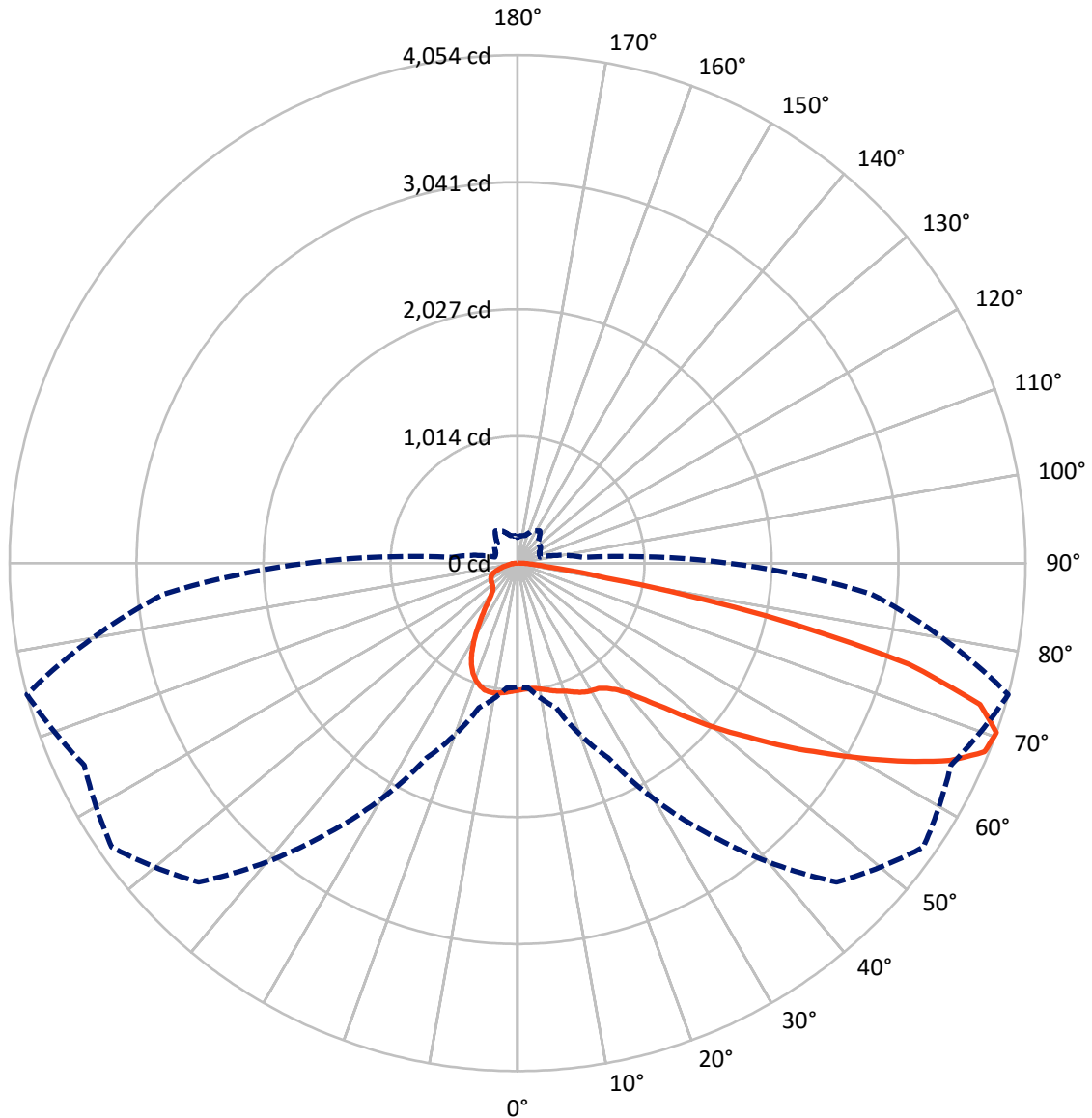
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.6 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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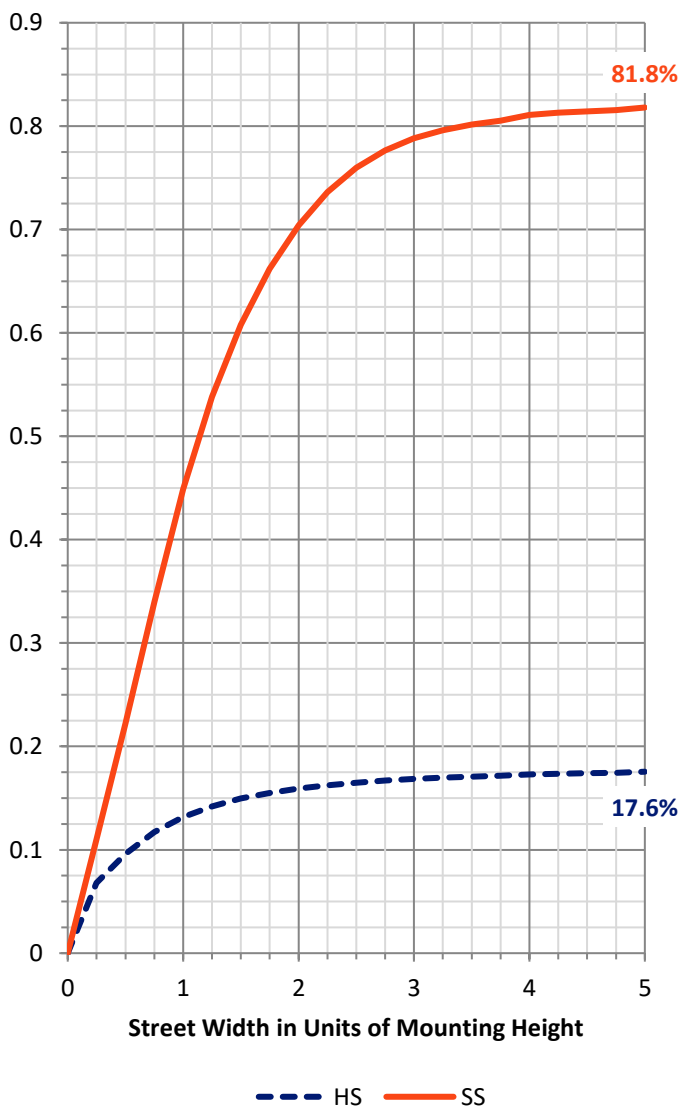
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1089.7	0.0	1089.7
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	5035.3	0.0	5035.3
	% Fixture	82.2	0.0	82.2
Total	Lumens	6125.0	0.0	6125.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.1	1.5
10°-20°	243.2	4.0
20°-30°	409.8	6.7
30°-40°	622.4	10.2
40°-50°	891.7	14.6
50°-60°	1182.2	19.3
60°-70°	1479.5	24.2
70°-80°	1080.4	17.6
80°-90°	124.6	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°	6125.0	100.0
0°-180°	6125.0	100.0



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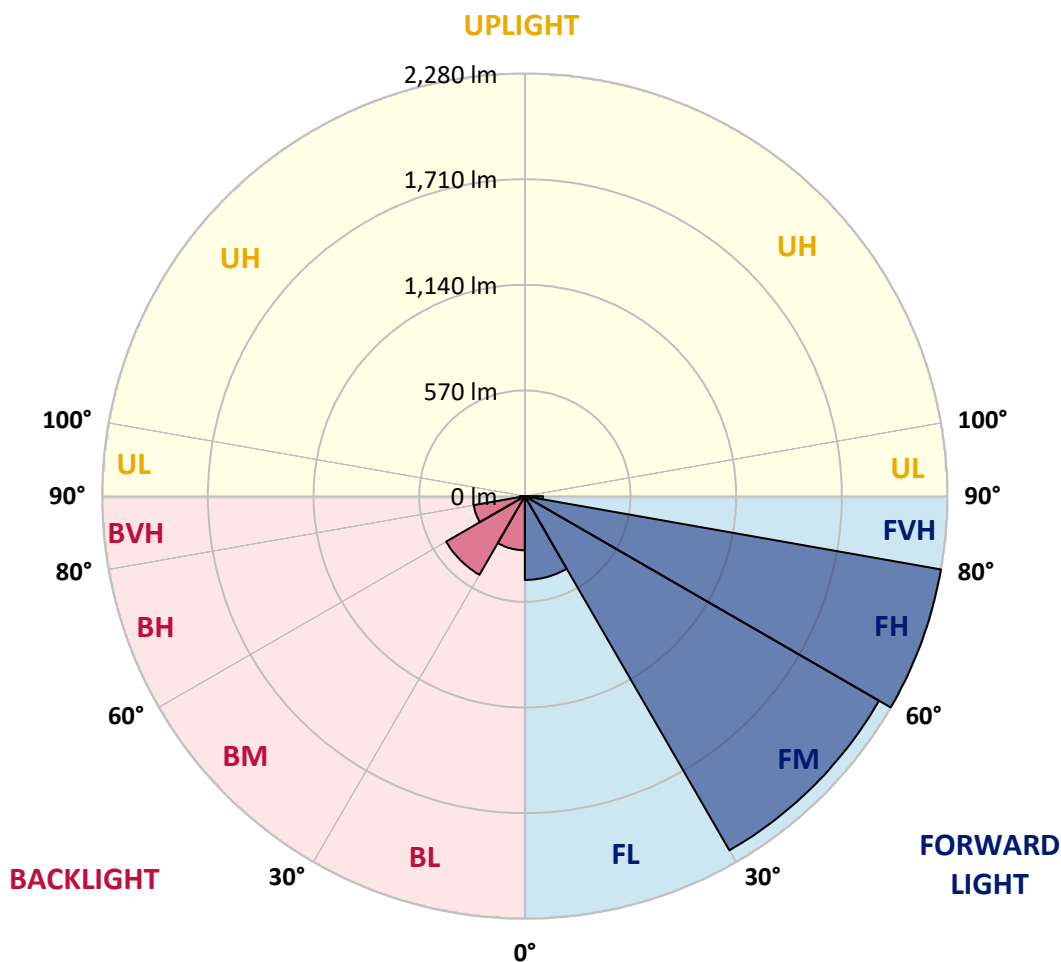
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	452.1	7.4			
FM (30°-60°)	2206.4	36.0			
FH (60°-80°)	2279.6	37.2			G2/5000
FVH (80°-90°)	97.2	1.6			G1/100
BL (0°-30°)	292.1	4.8	B1/500		
BM (30°-60°)	489.9	8.0	B1/1000		
BH (60°-80°)	280.3	4.6	B1/500		G1/500
BVH (80°-90°)	27.4	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°	1014.6	1014.6	1014.6	1014.6	1014.6	1014.6	1014.6	1014.6	1014.6	1014.6	1014.6
2.5°	959.0	964.3	969.2	974.0	978.0	988.6	990.8	1002.2	1005.3	1008.0	1011.5
5°	905.3	909.2	914.1	922.0	930.4	949.4	962.6	987.7	1001.8	1006.2	1018.5
7.5°	876.2	877.5	884.1	890.7	900.4	918.9	937.0	976.2	1004.4	1009.3	1035.7
10°	855.0	856.8	863.0	872.2	881.9	899.1	921.6	968.3	1014.1	1021.6	1059.1
12.5°	847.5	846.7	853.7	859.9	873.5	895.1	918.5	968.7	1027.4	1037.9	1093.0
15°	877.5	871.8	876.2	874.0	878.4	899.5	927.3	978.4	1043.7	1056.9	1128.3
17.5°	943.6	938.8	935.7	916.7	904.4	916.3	942.7	992.1	1060.9	1075.0	1160.0
20°	1042.3	1028.7	1017.2	985.5	951.1	947.1	965.7	1005.8	1077.2	1090.8	1193.5
22.5°	1154.7	1143.7	1125.2	1069.7	1016.3	989.9	994.7	1030.9	1101.0	1116.0	1231.9
25°	1296.7	1296.2	1258.3	1183.4	1102.7	1049.4	1039.3	1071.0	1127.9	1142.4	1263.6
27.5°	1458.4	1447.4	1402.4	1305.9	1204.5	1123.0	1099.2	1112.0	1149.4	1164.4	1289.2
30°	1596.8	1598.1	1552.3	1446.9	1313.0	1194.8	1149.9	1141.5	1163.6	1178.5	1313.0
32.5°	1744.9	1737.4	1695.5	1587.1	1430.2	1272.0	1182.5	1162.7	1178.1	1192.2	1346.0
35°	1884.2	1875.8	1839.6	1722.9	1559.3	1357.0	1226.6	1195.7	1212.5	1227.9	1386.6
37.5°	2016.8	2018.1	1977.2	1865.6	1684.5	1457.5	1291.8	1245.5	1263.6	1280.8	1448.3
40°	2132.7	2126.1	2094.4	1993.9	1814.5	1559.8	1365.4	1313.4	1348.7	1364.5	1526.3
42.5°	2169.8	2169.3	2181.7	2120.0	1951.2	1681.4	1457.1	1419.2	1469.0	1492.8	1621.9
45°	2137.6	2147.3	2218.7	2216.9	2087.8	1821.1	1582.3	1547.9	1619.7	1646.6	1738.7
47.5°	2105.9	2120.4	2217.4	2272.5	2210.3	1975.0	1736.1	1710.5	1813.6	1852.4	1859.9
50°	2059.6	2073.2	2188.7	2280.4	2285.2	2130.5	1935.3	1903.1	2035.8	2075.4	1991.7
52.5°	2008.0	2018.6	2138.0	2274.7	2320.9	2252.2	2130.5	2121.3	2273.8	2305.9	2125.7
55°	1723.3	1768.2	2063.5	2262.3	2345.6	2345.2	2320.5	2350.9	2533.4	2581.4	2275.1
57.5°	1559.8	1583.6	1853.8	2255.3	2391.9	2431.1	2516.6	2581.9	2810.6	2853.8	2439.9
60°	1506.4	1527.6	1748.4	2246.9	2484.0	2565.5	2708.3	2814.1	3108.5	3161.4	2624.2
62.5°	1458.0	1483.5	1705.7	2180.3	2595.5	2778.4	2937.1	3065.3	3422.8	3485.4	2807.5
65°	1359.2	1377.3	1627.2	2124.4	2701.3	3082.1	3267.2	3342.1	3727.3	3797.9	2929.2
67.5°	1188.7	1205.9	1450.5	1995.7	2770.0	3398.1	3628.2	3628.6	3962.7	4020.4	2954.7
70°	988.1	1001.4	1195.7	1715.4	2626.8	3600.8	3953.9	3815.9	4029.2	4054.4	2833.1
72.5°	706.5	718.0	875.7	1268.0	2153.9	3436.4	4027.9	3808.0	3867.9	3860.0	2487.1
75°	435.5	457.5	536.4	773.9	1338.5	2703.9	3625.1	3450.5	3247.8	3225.8	1872.7
77.5°	283.8	295.3	362.7	456.6	590.6	1552.3	2753.3	2587.1	2050.8	2025.2	1006.6
80°	170.6	189.5	237.6	286.9	267.5	593.7	1572.1	1285.2	724.6	716.6	309.4
82.5°	91.7	108.9	167.5	177.6	150.3	209.8	569.4	417.8	231.8	229.2	115.9
85°	72.7	81.1	120.3	112.4	85.1	106.2	222.1	174.1	119.0	116.4	43.6
87.5°	44.1	55.5	91.2	75.8	42.3	38.3	101.8	82.4	56.0	52.0	17.2
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°	1014.6	1014.6	1014.6	1014.6	1014.6	1014.6	1014.6	1014.6	1014.6	1014.6	1014.6
2.5°	1018.1	1020.3	1022.5	1018.1	1019.9	1017.7	1017.7	1017.7	1011.9	1010.2	1015.5
5°	1027.8	1030.9	1032.7	1019.0	1010.6	998.3	988.1	972.7	963.9	958.2	958.2
7.5°	1047.6	1051.2	1043.2	1012.8	983.3	950.2	916.3	888.1	867.8	859.0	861.6
10°	1076.7	1078.0	1051.6	995.6	932.6	871.3	823.3	785.8	760.7	747.9	746.2
12.5°	1110.7	1104.9	1053.4	957.7	864.3	781.9	723.3	674.8	642.6	630.3	624.1
15°	1144.2	1130.5	1046.8	912.3	786.7	687.6	612.6	566.8	547.0	541.2	539.0
17.5°	1174.1	1148.6	1024.7	847.1	696.8	577.4	522.3	506.0	508.2	513.5	515.7
20°	1201.5	1162.2	993.0	769.5	584.4	491.4	477.8	492.7	505.1	513.0	514.3
22.5°	1231.4	1175.5	948.9	675.2	492.3	451.8	468.1	485.3	497.6	505.5	506.9
25°	1254.3	1175.0	886.8	563.3	434.1	441.2	460.6	476.0	485.3	491.0	490.5
27.5°	1268.9	1164.4	805.2	471.2	411.2	433.7	452.2	462.3	467.6	472.0	471.6
30°	1273.3	1144.2	702.5	403.3	400.6	426.6	440.7	446.9	450.9	455.3	455.3
32.5°	1282.1	1112.9	589.3	365.4	392.7	419.6	428.0	432.8	429.7	418.7	416.5
35°	1291.8	1078.0	482.2	347.7	385.2	414.7	422.7	409.9	376.4	372.0	370.2
37.5°	1310.8	1045.9	391.4	335.4	383.4	417.4	424.0	372.9	344.7	331.0	328.8
40°	1342.9	1013.7	330.6	326.6	385.6	428.8	406.4	355.2	308.5	282.5	278.1
42.5°	1385.2	974.5	296.2	322.2	391.8	447.4	400.2	330.1	279.0	261.4	258.7
45°	1434.2	922.5	279.9	321.3	399.3	456.6	402.0	309.8	265.8	252.1	251.2
47.5°	1484.9	871.3	272.8	320.4	408.6	452.6	377.7	303.7	260.5	256.5	259.2
50°	1539.5	813.2	267.1	318.2	416.1	452.6	364.5	302.3	262.2	271.1	279.9
52.5°	1590.6	764.2	260.5	311.6	419.1	444.7	360.5	307.2	264.9	262.7	265.3
55°	1652.8	739.1	257.0	302.3	413.4	420.5	355.7	320.4	267.1	249.0	249.0
57.5°	1723.7	733.8	251.7	290.0	394.9	387.0	355.2	328.4	261.4	244.6	241.5
60°	1809.2	745.3	245.1	274.6	372.4	361.0	352.2	328.4	252.1	237.1	238.4
62.5°	1878.4	744.0	241.1	260.9	342.5	334.1	346.4	323.9	248.6	236.2	235.8
65°	1894.7	715.8	229.6	243.3	305.4	301.5	340.3	312.9	243.7	231.4	227.9
67.5°	1839.6	651.9	212.4	219.9	266.2	266.6	329.2	298.4	237.1	228.7	223.0
70°	1683.2	527.1	186.9	191.7	223.9	229.6	312.9	281.2	226.1	217.3	203.6
72.5°	1408.6	379.0	157.3	158.7	178.1	193.0	284.7	257.8	209.8	189.1	174.5
75°	1042.8	251.7	128.3	126.5	133.5	156.9	243.3	231.8	188.6	156.9	149.4
77.5°	551.4	149.0	98.7	99.2	94.8	120.3	193.0	201.4	167.5	132.2	124.7
80°	188.6	89.5	71.0	74.0	67.0	85.9	143.2	167.5	143.2	110.2	97.4
82.5°	86.4	54.7	50.7	52.9	48.0	58.2	98.3	126.9	114.2	80.2	64.8
85°	43.6	32.6	32.6	35.7	31.7	30.0	54.2	84.2	83.7	55.1	47.6
87.5°	18.1	15.9	15.0	17.2	15.0	11.5	15.4	30.4	44.1	33.1	21.2
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)