

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: P672249

Luminaire Tested: **CCP-SA-2A-735-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672249
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-735-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T3R distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

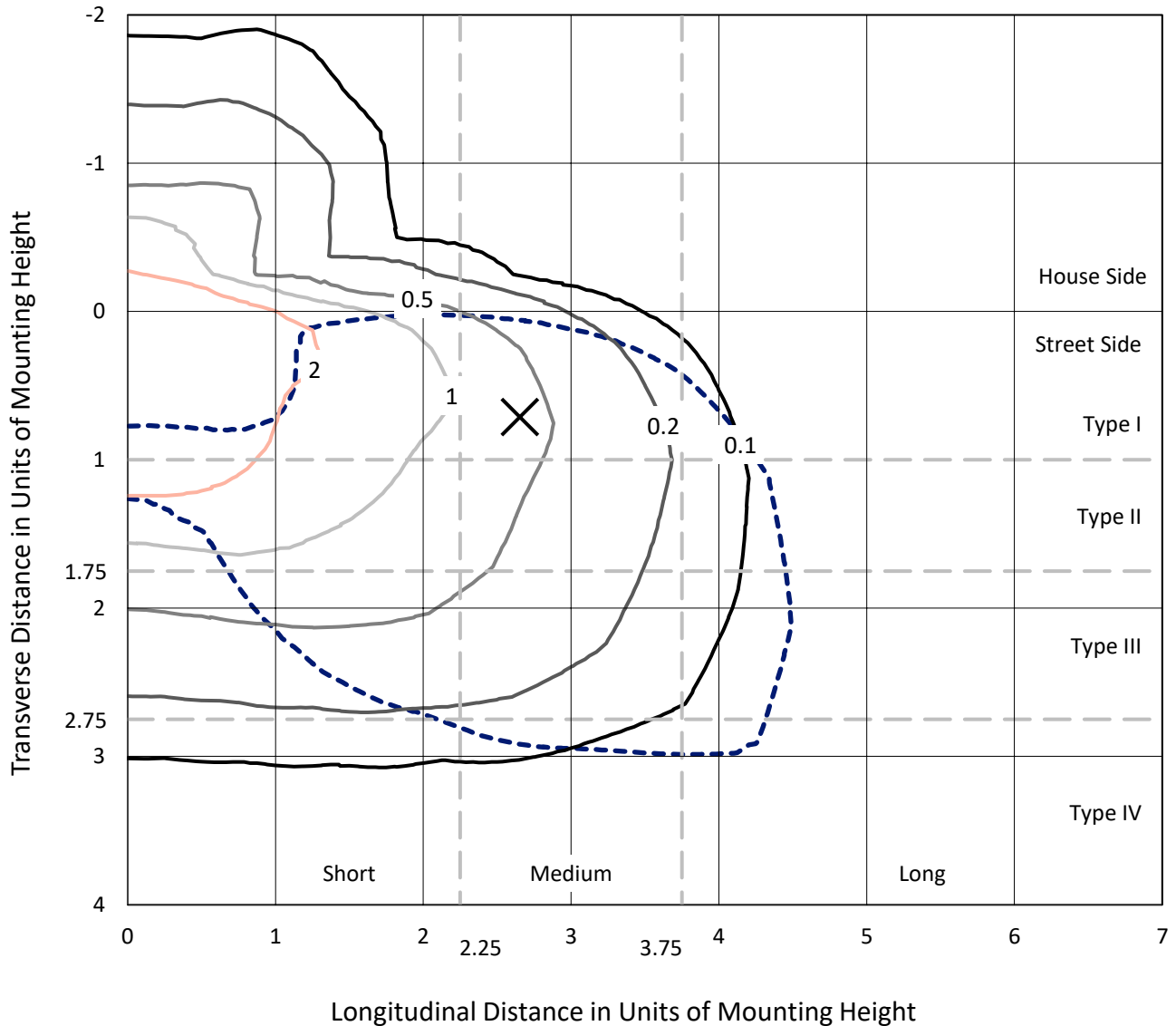
Lumens per Lamp: N/A
Luminaire Lumens: 5485 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 36.2
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

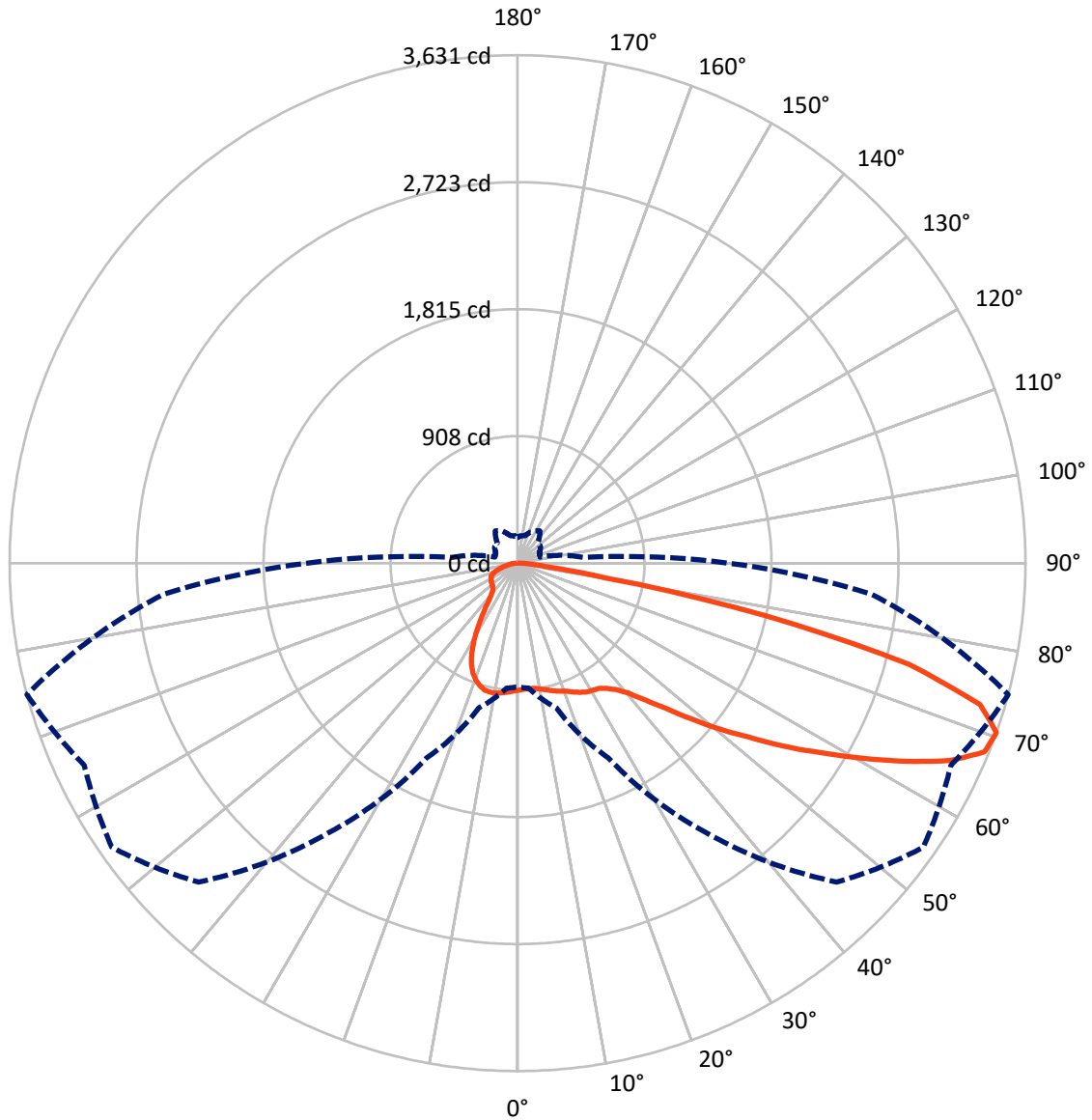
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.2 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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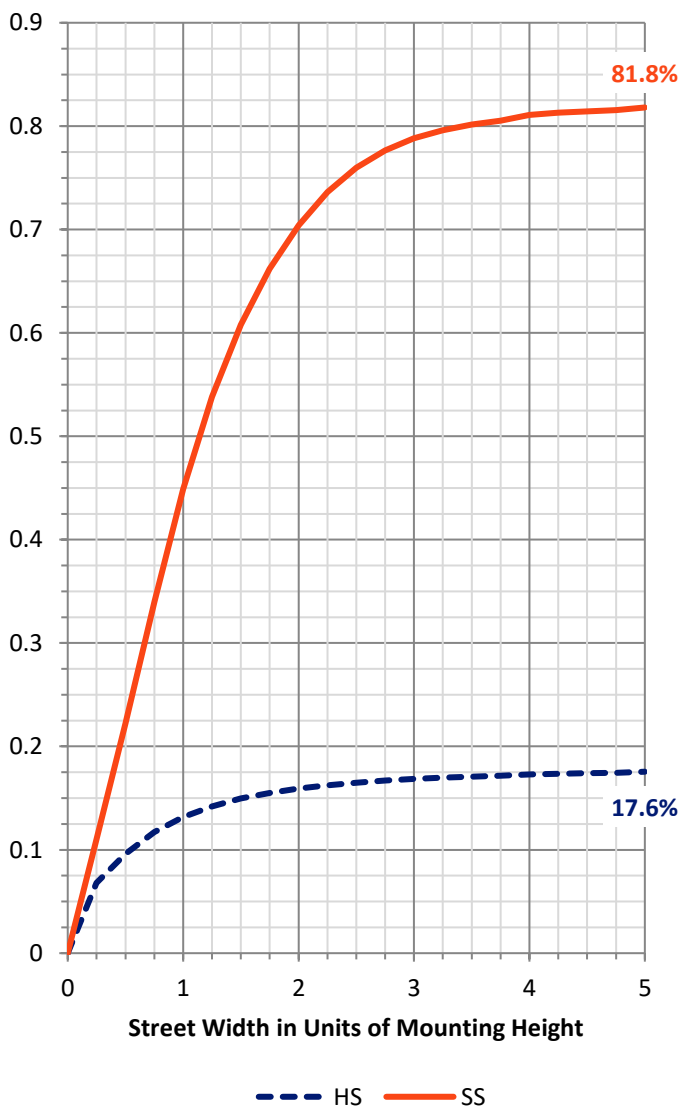
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	975.8	0.0	975.8
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	4509.2	0.0	4509.2
	% Fixture	82.2	0.0	82.2
Total	Lumens	5485.0	0.0	5485.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	1.5
10°-20°	217.8	4.0
20°-30°	367.0	6.7
30°-40°	557.4	10.2
40°-50°	798.5	14.6
50°-60°	1058.7	19.3
60°-70°	1324.9	24.2
70°-80°	967.5	17.6
80°-90°	111.6	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°	5485.0	100.0
0°-180°	5485.0	100.0



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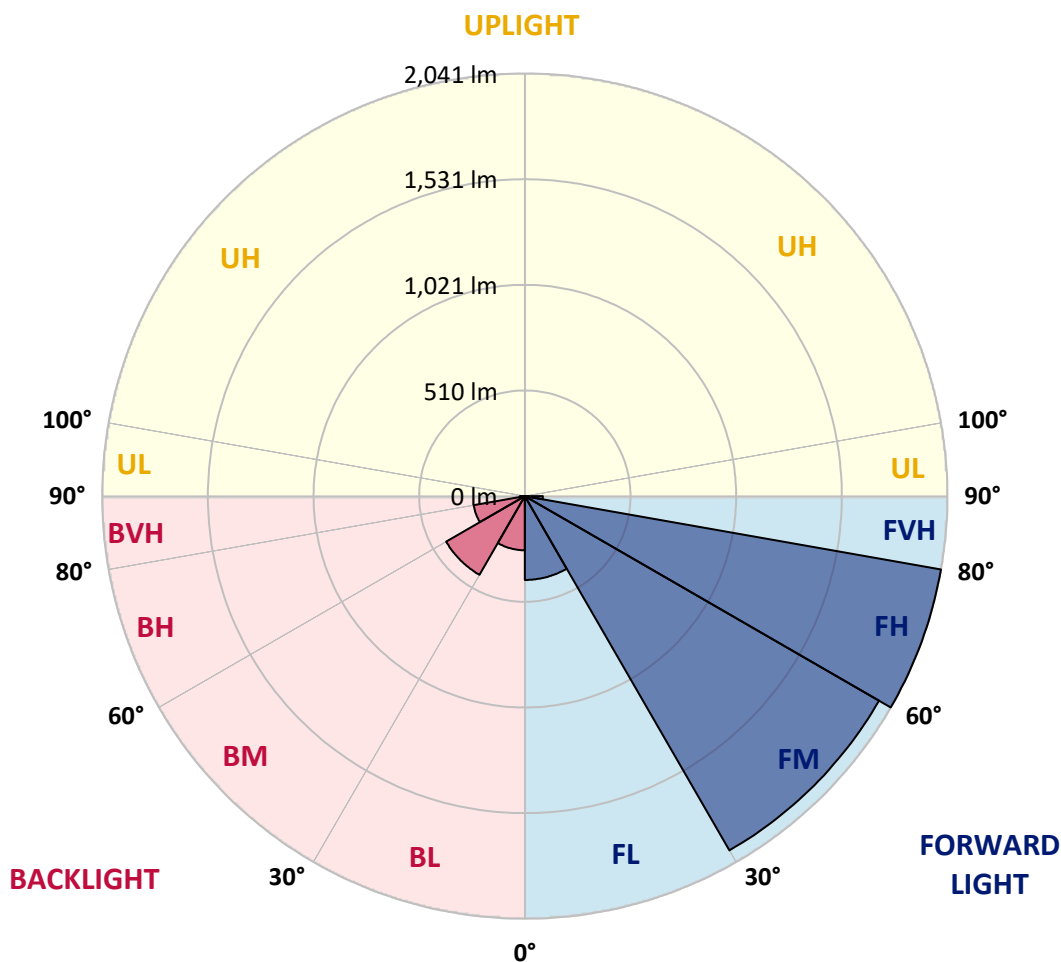
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	404.8	7.4			
FM (30°-60°)	1975.9	36.0			
FH (60°-80°)	2041.4	37.2			G2/5000
FVH (80°-90°)	87.1	1.6			G1/100
BL (0°-30°)	261.6	4.8	B1/500		
BM (30°-60°)	438.7	8.0	B1/1000		
BH (60°-80°)	251.0	4.6	B1/500		G1/500
BVH (80°-90°)	24.5	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°	908.6	908.6	908.6	908.6	908.6	908.6	908.6	908.6	908.6	908.6	908.6
2.5°	858.8	863.6	867.9	872.3	875.8	885.3	887.3	897.5	900.3	902.6	905.8
5°	810.7	814.2	818.6	825.7	833.2	850.2	862.0	884.5	897.1	901.1	912.1
7.5°	784.6	785.8	791.7	797.7	806.3	822.9	839.1	874.2	899.5	903.8	927.5
10°	765.7	767.3	772.8	781.1	789.8	805.2	825.3	867.1	908.2	914.9	948.4
12.5°	759.0	758.2	764.5	770.0	782.3	801.6	822.5	867.5	920.0	929.5	978.8
15°	785.8	780.7	784.6	782.7	786.6	805.6	830.4	876.2	934.6	946.5	1010.4
17.5°	845.0	840.7	837.9	820.9	809.9	820.6	844.2	888.4	950.0	962.6	1038.8
20°	933.4	921.2	910.9	882.5	851.7	848.2	864.8	900.7	964.6	976.9	1068.8
22.5°	1034.1	1024.2	1007.6	957.9	910.1	886.5	890.8	923.2	985.9	999.3	1103.2
25°	1161.2	1160.8	1126.8	1059.7	987.5	939.8	930.7	959.1	1010.0	1023.0	1131.6
27.5°	1306.0	1296.2	1255.9	1169.5	1078.7	1005.7	984.3	995.8	1029.3	1042.8	1154.5
30°	1430.0	1431.1	1390.1	1295.8	1175.8	1070.0	1029.7	1022.2	1042.0	1055.4	1175.8
32.5°	1562.6	1555.9	1518.4	1421.3	1280.8	1139.1	1058.9	1041.2	1055.0	1067.6	1205.4
35°	1687.3	1679.8	1647.4	1542.8	1396.4	1215.2	1098.4	1070.8	1085.8	1099.6	1241.7
37.5°	1806.1	1807.3	1770.6	1670.7	1508.5	1305.2	1156.8	1115.4	1131.6	1147.0	1296.9
40°	1909.9	1904.0	1875.6	1785.6	1624.9	1396.8	1222.7	1176.2	1207.7	1222.0	1366.8
42.5°	1943.0	1942.7	1953.7	1898.4	1747.3	1505.7	1304.8	1270.9	1315.5	1336.8	1452.4
45°	1914.2	1922.9	1986.9	1985.3	1869.6	1630.8	1416.9	1386.1	1450.5	1474.6	1557.0
47.5°	1885.8	1898.8	1985.7	2035.0	1979.4	1768.6	1554.7	1531.8	1624.1	1658.9	1665.6
50°	1844.4	1856.6	1960.0	2042.1	2046.5	1907.9	1733.1	1704.3	1823.1	1858.6	1783.6
52.5°	1798.2	1807.7	1914.6	2037.0	2078.4	2016.9	1907.9	1899.6	2036.2	2065.0	1903.6
55°	1543.2	1583.5	1847.9	2025.9	2100.5	2100.1	2078.0	2105.3	2268.7	2311.7	2037.4
57.5°	1396.8	1418.1	1660.1	2019.6	2142.0	2177.1	2253.7	2312.1	2516.9	2555.6	2185.0
60°	1349.0	1368.0	1565.7	2012.1	2224.5	2297.5	2425.4	2520.1	2783.7	2831.1	2350.0
62.5°	1305.6	1328.5	1527.4	1952.5	2324.3	2488.1	2630.2	2745.0	3065.1	3121.2	2514.2
65°	1217.2	1233.4	1457.2	1902.4	2419.0	2760.0	2925.8	2992.9	3337.9	3401.0	2623.1
67.5°	1064.5	1079.9	1298.9	1787.1	2480.6	3043.0	3249.1	3249.5	3548.6	3600.3	2646.0
70°	884.9	896.7	1070.8	1536.1	2352.3	3224.6	3540.7	3417.2	3608.2	3630.7	2537.0
72.5°	632.7	642.9	784.2	1135.5	1928.8	3077.4	3607.0	3410.1	3463.8	3456.7	2227.2
75°	390.0	409.7	480.3	693.1	1198.7	2421.4	3246.3	3090.0	2908.5	2888.7	1677.0
77.5°	254.2	264.4	324.8	408.9	528.9	1390.1	2465.6	2316.8	1836.5	1813.6	901.5
80°	152.7	169.7	212.7	256.9	239.6	531.6	1407.8	1150.9	648.9	641.8	277.1
82.5°	82.1	97.5	150.0	159.1	134.6	187.9	509.9	374.2	207.6	205.2	103.8
85°	65.1	72.6	107.7	100.6	76.2	95.1	198.9	155.9	106.6	104.2	39.1
87.5°	39.5	49.7	81.7	67.9	37.9	34.3	91.2	73.8	50.1	46.6	15.4
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°	908.6	908.6	908.6	908.6	908.6	908.6	908.6	908.6	908.6	908.6	908.6
2.5°	911.7	913.7	915.7	911.7	913.3	911.3	911.3	911.3	906.2	904.6	909.4
5°	920.4	923.2	924.8	912.5	905.0	894.0	884.9	871.1	863.2	858.1	858.1
7.5°	938.2	941.3	934.2	907.0	880.5	850.9	820.6	795.3	777.1	769.2	771.6
10°	964.2	965.4	941.7	891.6	835.2	780.3	737.3	703.7	681.2	669.8	668.2
12.5°	994.6	989.5	943.3	857.7	774.0	700.2	647.7	604.3	575.5	564.4	558.9
15°	1024.6	1012.4	937.4	817.0	704.5	615.7	548.6	507.6	489.8	484.7	482.7
17.5°	1051.4	1028.6	917.6	758.6	624.0	517.0	467.7	453.1	455.1	459.8	461.8
20°	1075.9	1040.8	889.2	689.1	523.4	440.1	427.8	441.3	452.3	459.4	460.6
22.5°	1102.8	1052.6	849.8	604.7	440.9	404.6	419.2	434.6	445.6	452.7	453.9
25°	1123.3	1052.2	794.1	504.4	388.8	395.1	412.4	426.3	434.6	439.7	439.3
27.5°	1136.3	1042.8	721.1	421.9	368.2	388.4	404.9	414.0	418.8	422.7	422.3
30°	1140.3	1024.6	629.1	361.1	358.8	382.1	394.7	400.2	403.8	407.7	407.7
32.5°	1148.1	996.6	527.7	327.2	351.7	375.7	383.2	387.6	384.8	375.0	373.0
35°	1156.8	965.4	431.8	311.4	345.0	371.4	378.5	367.1	337.1	333.1	331.5
37.5°	1173.8	936.6	350.5	300.4	343.4	373.8	379.7	333.9	308.6	296.4	294.4
40°	1202.6	907.8	296.0	292.5	345.4	384.0	363.9	318.1	276.3	253.0	249.0
42.5°	1240.5	872.7	265.2	288.5	350.9	400.6	358.4	295.6	249.8	234.0	231.7
45°	1284.3	826.1	250.6	287.7	357.6	408.9	360.0	277.5	238.0	225.8	225.0
47.5°	1329.7	780.3	244.3	286.9	365.9	405.3	338.2	271.9	233.3	229.7	232.1
50°	1378.6	728.2	239.2	285.0	372.6	405.3	326.4	270.8	234.8	242.7	250.6
52.5°	1424.4	684.4	233.3	279.0	375.3	398.2	322.9	275.1	237.2	235.2	237.6
55°	1480.1	661.9	230.1	270.8	370.2	376.5	318.5	286.9	239.2	223.0	223.0
57.5°	1543.6	657.2	225.4	259.7	353.6	346.5	318.1	294.0	234.0	219.1	216.3
60°	1620.2	667.4	219.4	245.9	333.5	323.2	315.4	294.0	225.8	212.3	213.5
62.5°	1682.2	666.2	215.9	233.7	306.7	299.2	310.2	290.1	222.6	211.6	211.2
65°	1696.8	641.0	205.6	217.9	273.5	270.0	304.7	280.2	218.3	207.2	204.1
67.5°	1647.4	583.7	190.2	196.9	238.4	238.8	294.8	267.2	212.3	204.8	199.7
70°	1507.3	472.0	167.3	171.7	200.5	205.6	280.2	251.8	202.5	194.6	182.3
72.5°	1261.4	339.4	140.9	142.1	159.5	172.9	255.0	230.9	187.9	169.3	156.3
75°	933.8	225.4	114.9	113.3	119.6	140.5	217.9	207.6	168.9	140.5	133.8
77.5°	493.8	133.4	88.4	88.8	84.9	107.7	172.9	180.4	150.0	118.4	111.7
80°	168.9	80.1	63.5	66.3	60.0	77.0	128.3	150.0	128.3	98.7	87.2
82.5°	77.4	48.9	45.4	47.4	43.0	52.1	88.0	113.7	102.2	71.8	58.0
85°	39.1	29.2	29.2	32.0	28.4	26.8	48.5	75.4	75.0	49.3	42.6
87.5°	16.2	14.2	13.4	15.4	13.4	10.3	13.8	27.2	39.5	29.6	18.9
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)