

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: P672217

Luminaire Tested: **CCP-SA-2B-722-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672217
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-722-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T3R distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

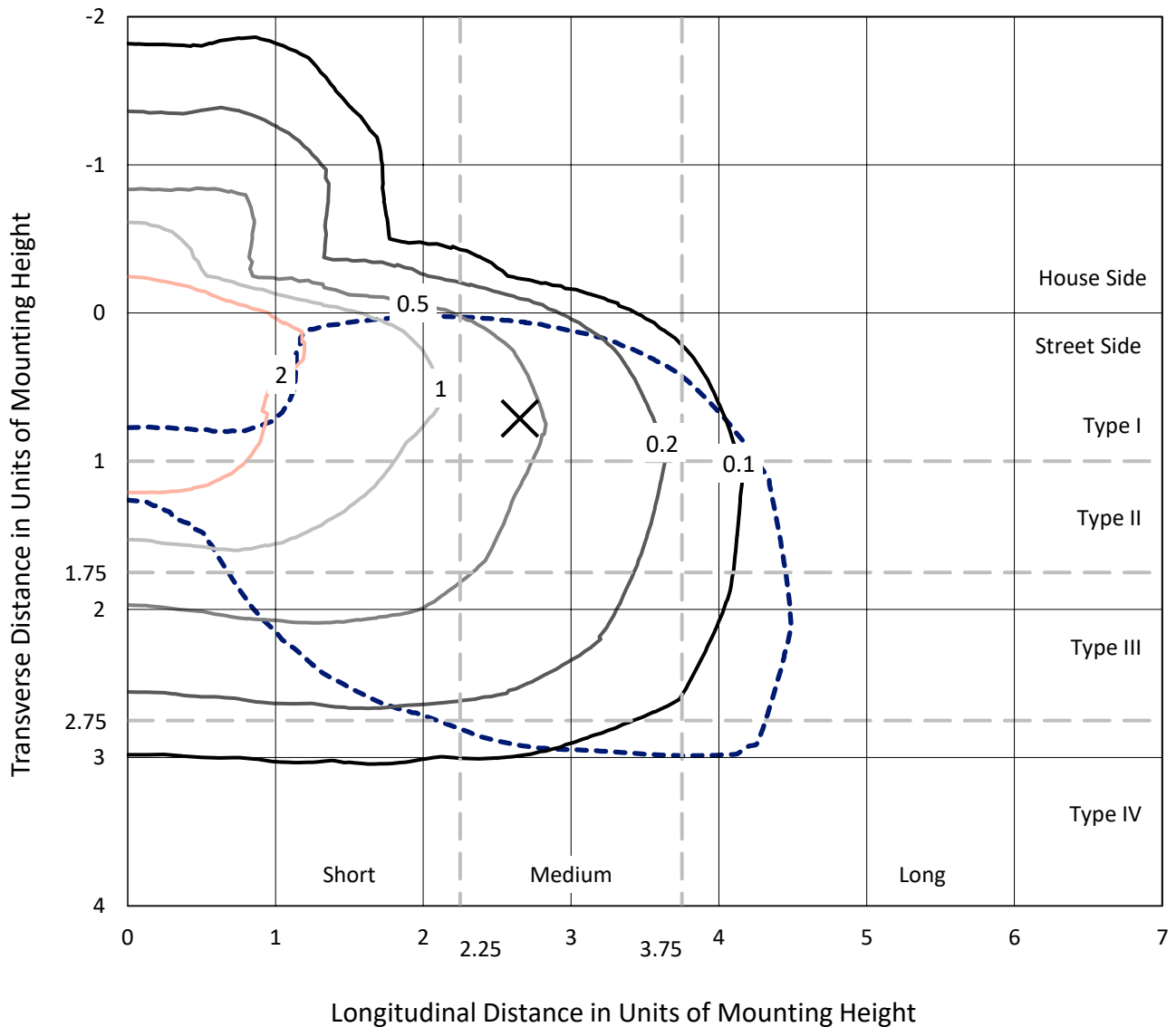
Lumens per Lamp: N/A
Luminaire Lumens: 5170.4 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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

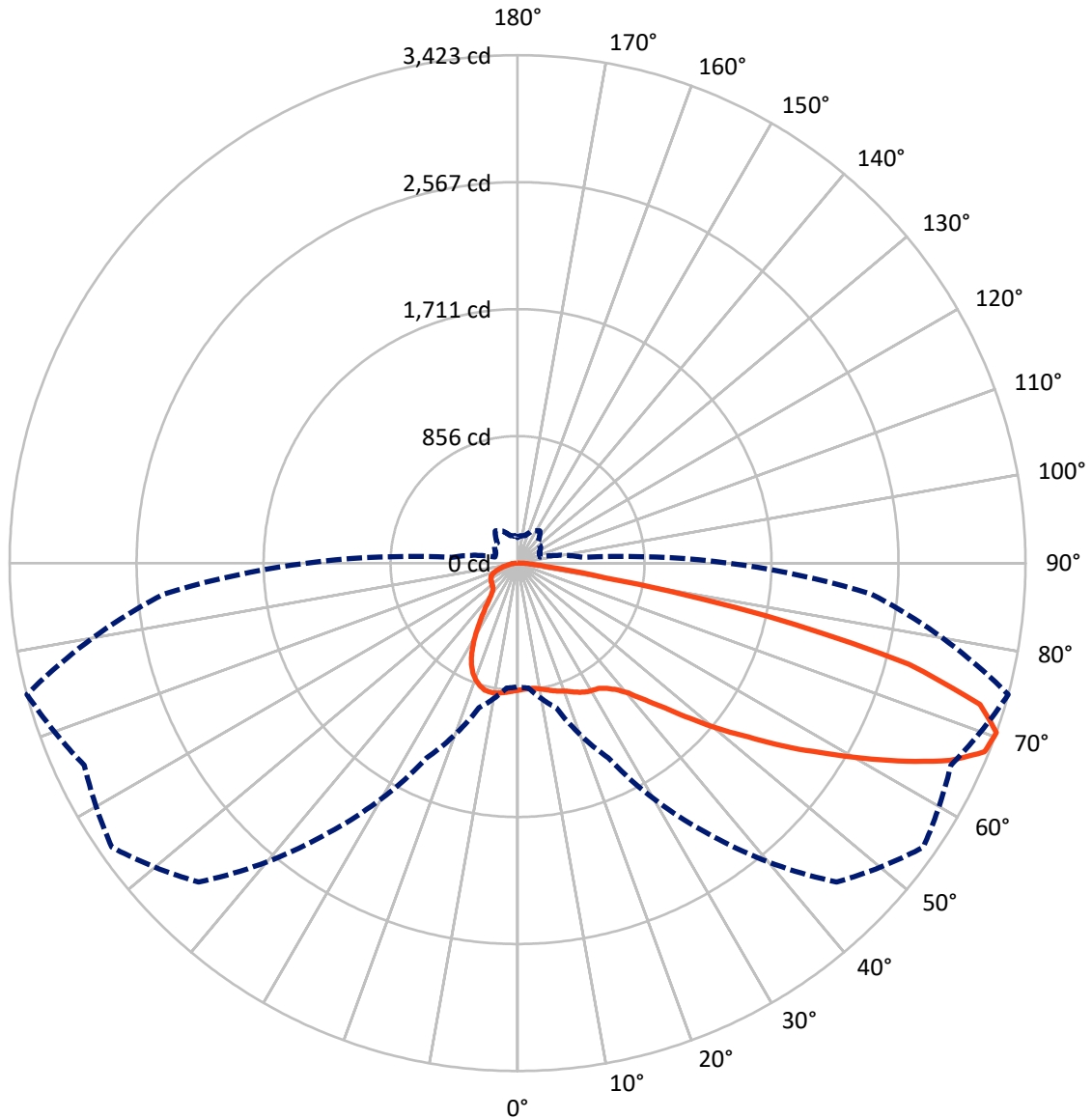
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 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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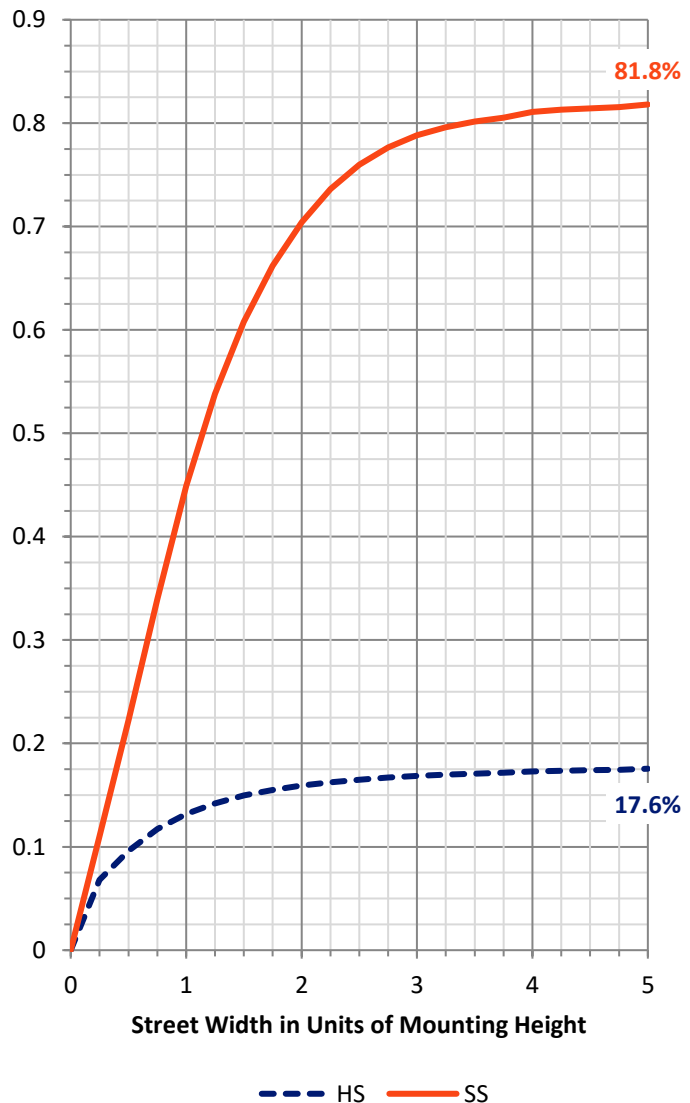
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	919.9	0.0	919.9
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	4250.5	0.0	4250.5
	% Fixture	82.2	0.0	82.2
Total	Lumens	5170.4	0.0	5170.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.9	1.5
10°-20°	205.3	4.0
20°-30°	345.9	6.7
30°-40°	525.4	10.2
40°-50°	752.7	14.6
50°-60°	998.0	19.3
60°-70°	1248.9	24.2
70°-80°	912.0	17.6
80°-90°	105.2	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°	5170.4	100.0
0°-180°	5170.4	100.0



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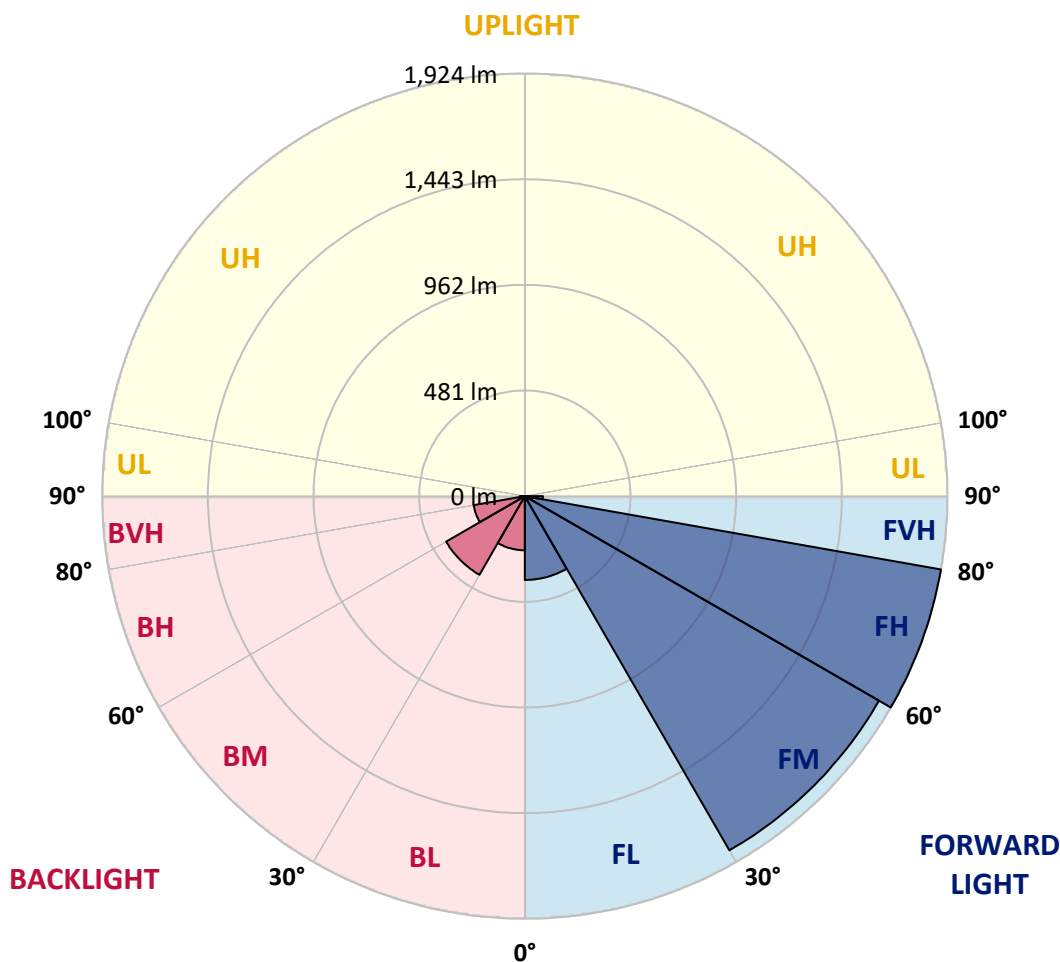
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	381.6	7.4			
FM (30°-60°)	1862.6	36.0			
FH (60°-80°)	1924.3	37.2			G2/5000
FVH (80°-90°)	82.1	1.6			G1/100
BL (0°-30°)	246.6	4.8	B1/500		
BM (30°-60°)	413.6	8.0	B1/1000		
BH (60°-80°)	236.6	4.6	B1/500		G1/500
BVH (80°-90°)	23.1	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°	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5
2.5°	809.6	814.0	818.1	822.2	825.6	834.5	836.4	846.0	848.6	850.9	853.8
5°	764.2	767.5	771.6	778.3	785.4	801.4	812.6	833.8	845.7	849.4	859.8
7.5°	739.6	740.7	746.3	751.9	760.1	775.7	791.0	824.1	847.9	852.0	874.3
10°	721.8	723.3	728.5	736.3	744.5	759.0	778.0	817.4	856.1	862.4	894.0
12.5°	715.4	714.7	720.7	725.9	737.4	755.6	775.3	817.8	867.2	876.2	922.7
15°	740.7	735.9	739.6	737.8	741.5	759.3	782.8	825.9	881.0	892.2	952.4
17.5°	796.6	792.5	789.9	773.9	763.4	773.5	795.8	837.5	895.5	907.4	979.2
20°	879.9	868.4	858.7	831.9	802.9	799.5	815.2	849.0	909.3	920.8	1007.5
22.5°	974.8	965.5	949.8	903.0	857.9	835.6	839.7	870.2	929.4	942.0	1039.9
25°	1094.6	1094.2	1062.2	998.9	930.9	885.8	877.3	904.1	952.1	964.3	1066.7
27.5°	1231.1	1221.8	1183.9	1102.4	1016.8	948.0	927.9	938.7	970.3	982.9	1088.2
30°	1347.9	1349.0	1310.4	1221.4	1108.3	1008.6	970.7	963.6	982.2	994.9	1108.3
32.5°	1472.9	1466.6	1431.3	1339.7	1207.3	1073.7	998.2	981.5	994.5	1006.4	1136.2
35°	1590.5	1583.4	1552.9	1454.3	1316.3	1145.5	1035.4	1009.4	1023.5	1036.5	1170.5
37.5°	1702.5	1703.6	1669.0	1574.9	1422.0	1230.4	1090.5	1051.4	1066.7	1081.2	1222.5
40°	1800.3	1794.8	1768.0	1683.1	1531.7	1316.7	1152.6	1108.7	1138.5	1151.9	1288.4
42.5°	1831.6	1831.2	1841.6	1789.5	1647.1	1419.4	1230.0	1198.0	1240.0	1260.1	1369.1
45°	1804.4	1812.6	1872.9	1871.4	1762.4	1537.3	1335.7	1306.6	1367.3	1390.0	1467.7
47.5°	1777.6	1789.9	1871.8	1918.3	1865.8	1667.1	1465.5	1443.9	1531.0	1563.7	1570.0
50°	1738.6	1750.1	1847.6	1925.0	1929.1	1798.5	1633.7	1606.5	1718.5	1752.0	1681.3
52.5°	1695.0	1704.0	1804.8	1920.1	1959.2	1901.2	1798.5	1790.7	1919.4	1946.6	1794.4
55°	1454.7	1492.7	1741.9	1909.7	1980.0	1979.7	1958.8	1984.5	2138.5	2179.1	1920.5
57.5°	1316.7	1336.8	1564.8	1903.8	2019.1	2052.2	2124.4	2179.5	2372.5	2409.0	2059.7
60°	1271.7	1289.5	1475.9	1896.7	2096.9	2165.7	2286.2	2375.5	2624.1	2668.7	2215.2
62.5°	1230.7	1252.3	1439.8	1840.5	2191.0	2345.4	2479.3	2587.6	2889.3	2942.2	2369.9
65°	1147.4	1162.6	1373.6	1793.3	2280.3	2601.7	2758.0	2821.2	3146.4	3205.9	2472.6
67.5°	1003.4	1017.9	1224.4	1684.6	2338.3	2868.5	3062.7	3063.1	3345.1	3393.8	2494.2
70°	834.1	845.3	1009.4	1448.0	2217.4	3039.6	3337.6	3221.2	3401.3	3422.5	2391.5
72.5°	596.4	606.1	739.3	1070.4	1818.2	2900.9	3400.1	3214.5	3265.1	3258.4	2099.5
75°	367.6	386.2	452.8	653.3	1129.9	2282.5	3060.1	2912.8	2741.6	2723.0	1580.8
77.5°	239.6	249.3	306.2	385.4	498.5	1310.4	2324.2	2183.9	1731.1	1709.6	849.8
80°	144.0	160.0	200.5	242.2	225.8	501.1	1327.1	1084.9	611.6	604.9	261.2
82.5°	77.4	91.9	141.4	149.9	126.9	177.1	480.7	352.7	195.7	193.5	97.8
85°	61.4	68.5	101.6	94.9	71.8	89.7	187.5	147.0	100.5	98.2	36.8
87.5°	37.2	46.9	77.0	64.0	35.7	32.4	85.9	69.6	47.3	43.9	14.5
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°	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5
2.5°	859.4	861.3	863.2	859.4	860.9	859.1	859.1	859.1	854.2	852.7	857.2
5°	867.6	870.2	871.7	860.2	853.1	842.7	834.1	821.1	813.7	808.8	808.8
7.5°	884.4	887.3	880.6	855.0	830.0	802.1	773.5	749.7	732.6	725.1	727.4
10°	908.9	910.0	887.7	840.5	787.3	735.5	695.0	663.4	642.2	631.4	629.9
12.5°	937.6	932.7	889.2	808.5	729.6	660.0	610.5	569.6	542.4	532.0	526.8
15°	965.8	954.3	883.6	770.1	664.1	580.4	517.1	478.5	461.7	456.9	455.0
17.5°	991.1	969.6	865.0	715.1	588.2	487.4	440.9	427.1	429.0	433.4	435.3
20°	1014.2	981.1	838.2	649.6	493.3	414.8	403.3	415.9	426.4	433.1	434.2
22.5°	1039.5	992.3	801.0	570.0	415.6	381.3	395.1	409.6	420.0	426.7	427.9
25°	1058.8	991.9	748.6	475.5	366.5	372.4	388.8	401.8	409.6	414.5	414.1
27.5°	1071.1	982.9	679.7	397.7	347.1	366.1	381.7	390.3	394.7	398.5	398.1
30°	1074.8	965.8	593.0	340.4	338.2	360.1	372.0	377.3	380.6	384.3	384.3
32.5°	1082.3	939.4	497.4	308.4	331.5	354.2	361.3	365.4	362.7	353.4	351.6
35°	1090.5	910.0	407.0	293.5	325.2	350.1	356.8	346.0	317.7	314.0	312.5
37.5°	1106.5	882.9	330.4	283.1	323.7	352.3	357.9	314.8	290.9	279.4	277.5
40°	1133.6	855.7	279.0	275.7	325.5	362.0	343.0	299.9	260.4	238.5	234.8
42.5°	1169.3	822.6	250.0	272.0	330.8	377.6	337.8	278.7	235.5	220.6	218.4
45°	1210.6	778.7	236.3	271.2	337.1	385.4	339.3	261.5	224.3	212.8	212.1
47.5°	1253.4	735.5	230.3	270.5	344.9	382.1	318.8	256.3	219.9	216.5	218.8
50°	1299.6	686.4	225.5	268.6	351.2	382.1	307.7	255.2	221.4	228.8	236.3
52.5°	1342.7	645.1	219.9	263.0	353.8	375.4	304.3	259.3	223.6	221.7	224.0
55°	1395.2	623.9	216.9	255.2	349.0	354.9	300.2	270.5	225.5	210.2	210.2
57.5°	1455.1	619.5	212.4	244.8	333.4	326.7	299.9	277.2	220.6	206.5	203.9
60°	1527.3	629.1	206.9	231.8	314.4	304.7	297.3	277.2	212.8	200.2	201.3
62.5°	1585.7	628.0	203.5	220.3	289.1	282.0	292.4	273.5	209.8	199.4	199.0
65°	1599.4	604.2	193.8	205.4	257.8	254.5	287.2	264.2	205.7	195.3	192.3
67.5°	1552.9	550.3	179.3	185.7	224.7	225.1	277.9	251.9	200.2	193.1	188.3
70°	1420.8	445.0	157.7	161.8	189.0	193.8	264.2	237.4	190.9	183.4	171.9
72.5°	1189.1	320.0	132.8	133.9	150.3	163.0	240.3	217.6	177.1	159.6	147.3
75°	880.3	212.4	108.3	106.8	112.7	132.4	205.4	195.7	159.2	132.4	126.1
77.5°	465.4	125.8	83.3	83.7	80.0	101.6	163.0	170.0	141.4	111.6	105.3
80°	159.2	75.5	59.9	62.5	56.6	72.5	120.9	141.4	120.9	93.0	82.2
82.5°	72.9	46.1	42.8	44.6	40.6	49.1	83.0	107.1	96.4	67.7	54.7
85°	36.8	27.5	27.5	30.1	26.8	25.3	45.8	71.1	70.7	46.5	40.2
87.5°	15.3	13.4	12.6	14.5	12.6	9.7	13.0	25.7	37.2	27.9	17.9
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)