

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: P672294

Luminaire Tested: **CCP-SA-2B-827-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672294
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-827-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T3R distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

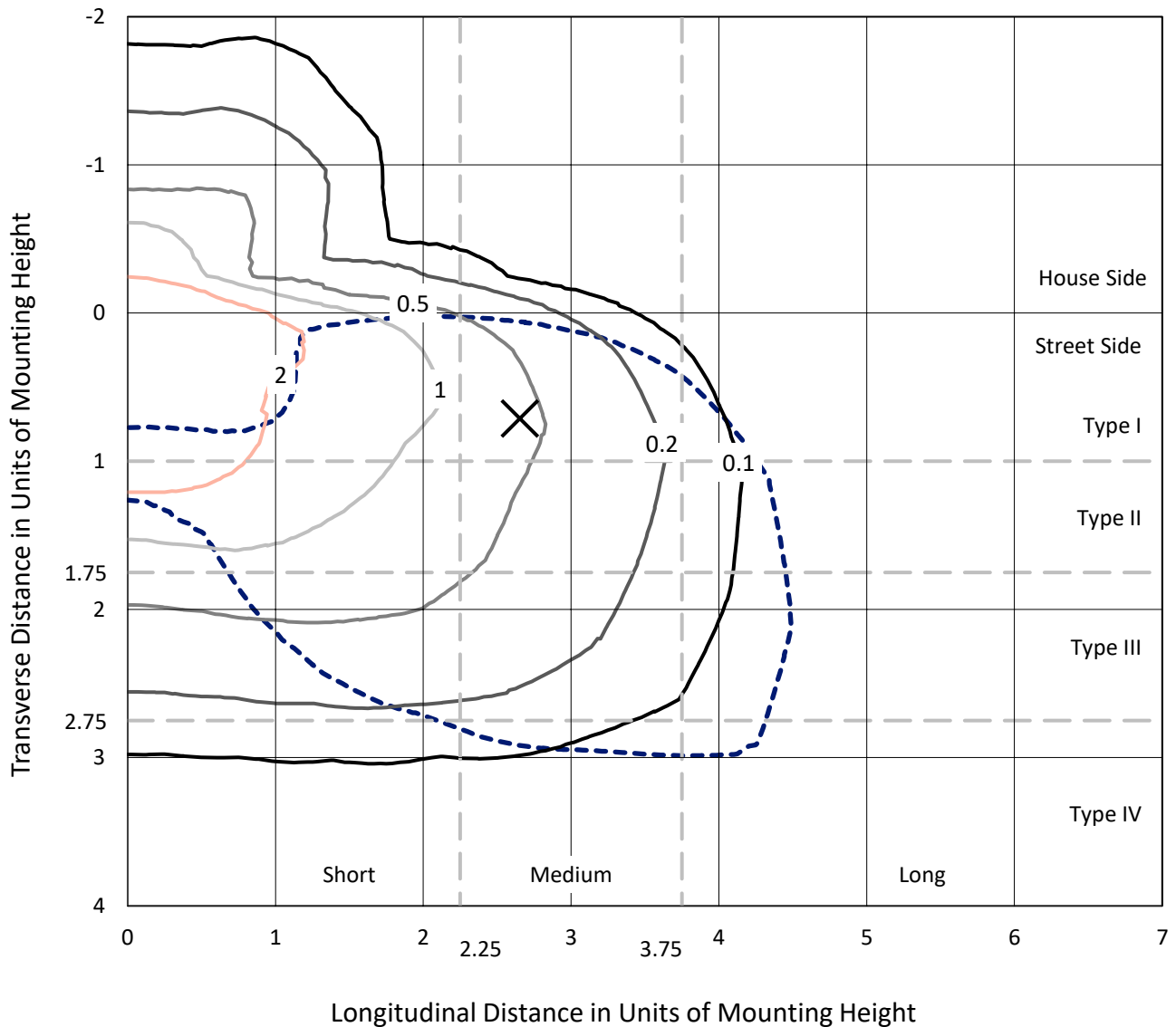
Lumens per Lamp: N/A
Luminaire Lumens: 5159.9 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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

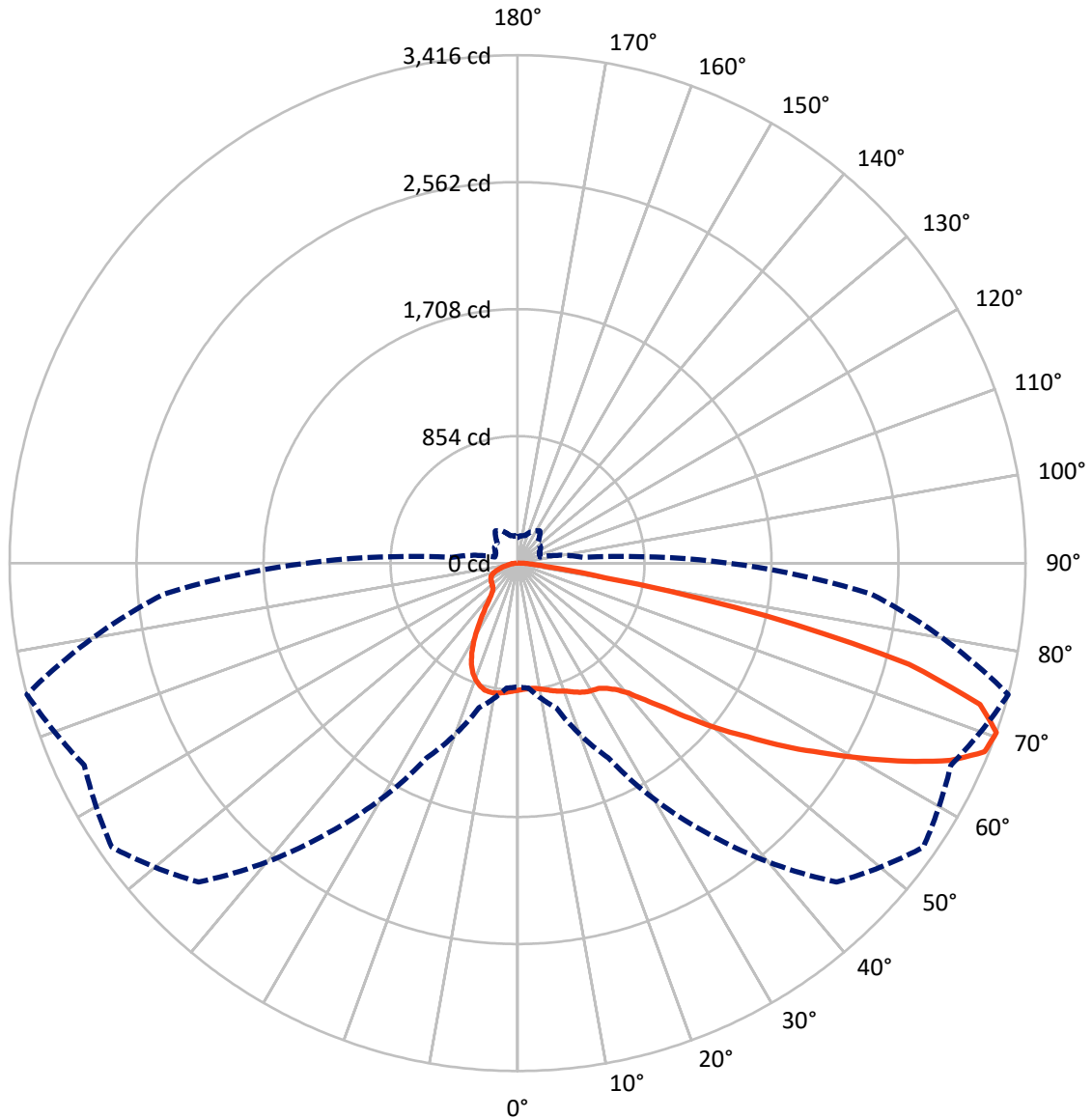
× Max cd
 - - - 1/2 Max cd



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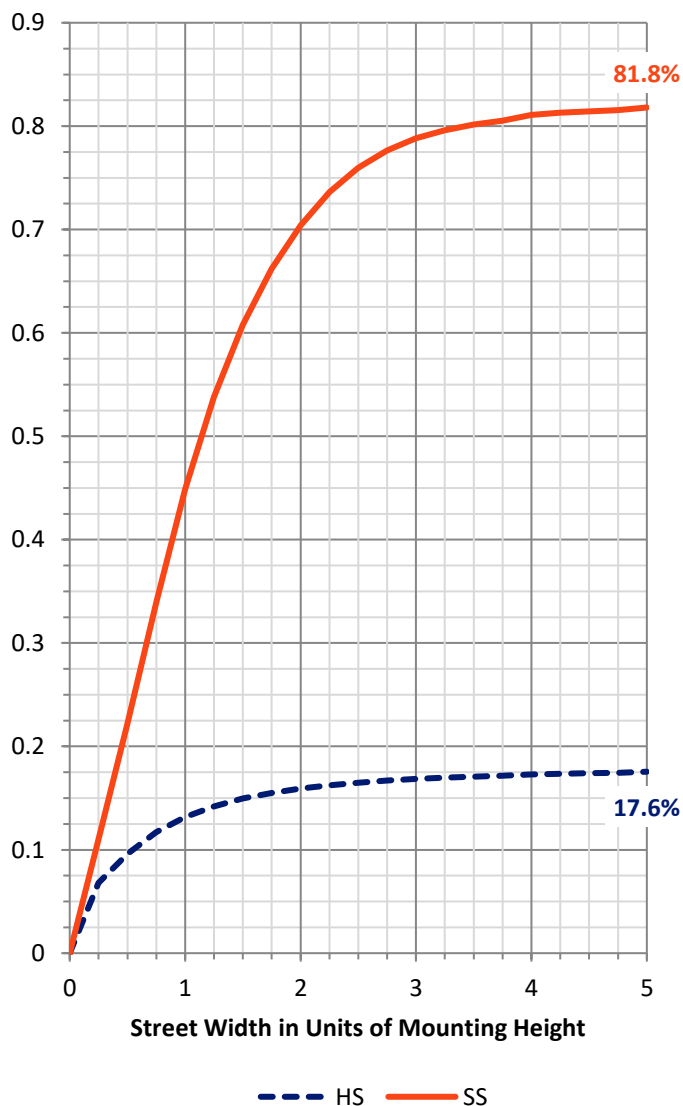
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	918.0	0.0	918.0
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	4241.9	0.0	4241.9
	% Fixture	82.2	0.0	82.2
Total	Lumens	5159.9	0.0	5159.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.8	1.5
10°-20°	204.9	4.0
20°-30°	345.2	6.7
30°-40°	524.4	10.2
40°-50°	751.2	14.6
50°-60°	995.9	19.3
60°-70°	1246.4	24.2
70°-80°	910.2	17.6
80°-90°	105.0	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°	5159.9	100.0
0°-180°	5159.9	100.0



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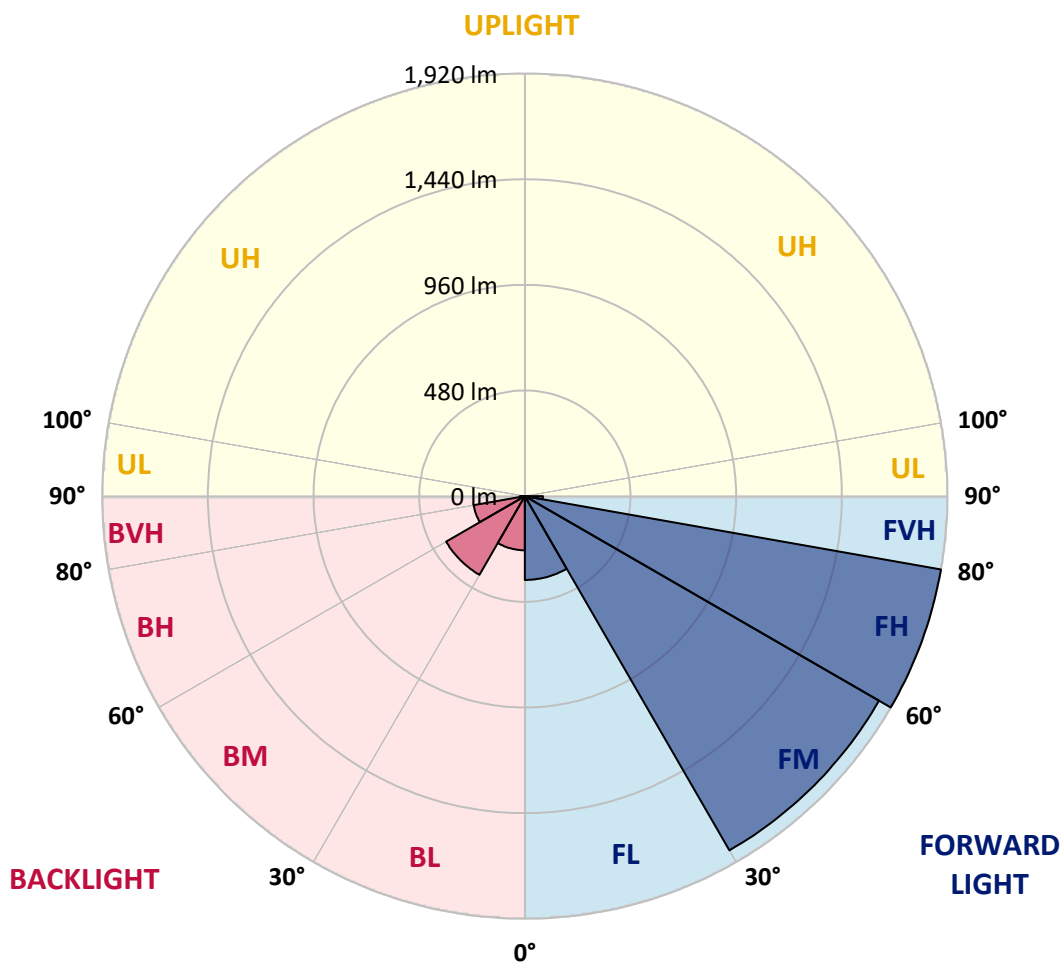
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	380.8	7.4			
FM (30°-60°)	1858.8	36.0			
FH (60°-80°)	1920.4	37.2			G2/5000
FVH (80°-90°)	81.9	1.6			G1/100
BL (0°-30°)	246.1	4.8	B1/500		
BM (30°-60°)	412.7	8.0	B1/1000		
BH (60°-80°)	236.1	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°	854.7	854.7	854.7	854.7	854.7	854.7	854.7	854.7	854.7	854.7	854.7
2.5°	807.9	812.4	816.5	820.6	823.9	832.8	834.7	844.3	846.9	849.1	852.1
5°	762.6	766.0	770.1	776.7	783.8	799.8	810.9	832.1	843.9	847.7	858.1
7.5°	738.1	739.2	744.8	750.4	758.5	774.1	789.4	822.4	846.2	850.3	872.5
10°	720.3	721.8	727.0	734.8	743.0	757.4	776.4	815.7	854.3	860.6	892.2
12.5°	714.0	713.2	719.2	724.4	735.9	754.1	773.8	816.1	865.5	874.4	920.8
15°	739.2	734.4	738.1	736.3	740.0	757.8	781.2	824.3	879.2	890.4	950.5
17.5°	794.9	790.8	788.2	772.3	761.9	771.9	794.2	835.8	893.7	905.6	977.2
20°	878.1	866.6	856.9	830.2	801.2	797.9	813.5	847.3	907.4	918.9	1005.5
22.5°	972.8	963.5	947.9	901.1	856.2	833.9	838.0	868.4	927.5	940.1	1037.8
25°	1092.3	1092.0	1060.0	996.9	929.0	884.0	875.5	902.2	950.1	962.4	1064.5
27.5°	1228.6	1219.3	1181.4	1100.1	1014.7	946.0	926.0	936.8	968.3	980.9	1086.0
30°	1345.2	1346.3	1307.7	1218.9	1106.1	1006.6	968.7	961.6	980.2	992.8	1106.1
32.5°	1469.9	1463.6	1428.4	1337.0	1204.8	1071.5	996.2	979.5	992.5	1004.3	1133.9
35°	1587.3	1580.2	1549.8	1451.4	1313.6	1143.2	1033.3	1007.3	1021.4	1034.4	1168.1
37.5°	1699.0	1700.1	1665.6	1571.7	1419.1	1227.9	1088.3	1049.3	1064.5	1079.0	1220.1
40°	1796.7	1791.1	1764.4	1679.7	1528.6	1314.0	1150.3	1106.4	1136.1	1149.5	1285.8
42.5°	1827.9	1827.5	1837.9	1785.9	1643.7	1416.5	1227.5	1195.6	1237.5	1257.6	1366.3
45°	1800.8	1808.9	1869.1	1867.6	1758.8	1534.2	1332.9	1304.0	1364.5	1387.1	1464.7
47.5°	1774.0	1786.3	1868.0	1914.4	1862.0	1663.7	1462.5	1441.0	1527.9	1560.5	1566.8
50°	1735.0	1746.5	1843.8	1921.1	1925.1	1794.8	1630.3	1603.2	1715.0	1748.4	1677.9
52.5°	1691.6	1700.5	1801.1	1916.2	1955.2	1897.3	1794.8	1787.0	1915.5	1942.6	1790.7
55°	1451.7	1489.6	1738.4	1905.8	1976.0	1975.6	1954.8	1980.5	2134.2	2174.6	1916.6
57.5°	1314.0	1334.0	1561.6	1899.9	2015.0	2048.0	2120.1	2175.0	2367.7	2404.1	2055.5
60°	1269.1	1286.9	1472.9	1892.8	2092.6	2161.3	2281.6	2370.7	2618.7	2663.3	2210.7
62.5°	1228.2	1249.8	1436.9	1836.8	2186.5	2340.6	2474.3	2582.3	2883.4	2936.2	2365.1
65°	1145.1	1160.3	1370.8	1789.6	2275.6	2596.4	2752.4	2815.5	3140.0	3199.4	2467.6
67.5°	1001.4	1015.8	1221.9	1681.2	2333.6	2862.6	3056.5	3056.8	3338.3	3386.9	2489.1
70°	832.4	843.6	1007.3	1445.1	2212.9	3033.4	3330.8	3214.6	3394.3	3415.5	2386.7
72.5°	595.2	604.8	737.8	1068.2	1814.5	2894.9	3393.2	3207.9	3258.4	3251.8	2095.2
75°	366.8	385.4	451.9	652.0	1127.6	2277.9	3053.9	2906.8	2736.0	2717.5	1577.6
77.5°	239.1	248.8	305.6	384.7	497.5	1307.7	2319.4	2179.5	1727.6	1706.1	848.0
80°	143.7	159.7	200.1	241.7	225.4	500.1	1324.4	1082.7	610.4	603.7	260.6
82.5°	77.2	91.7	141.1	149.6	126.6	176.7	479.7	352.0	195.3	193.1	97.6
85°	61.3	68.3	101.4	94.7	71.7	89.5	187.1	146.7	100.2	98.0	36.8
87.5°	37.1	46.8	76.9	63.9	35.6	32.3	85.8	69.4	47.2	43.8	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°	854.7	854.7	854.7	854.7	854.7	854.7	854.7	854.7	854.7	854.7	854.7
2.5°	857.7	859.5	861.4	857.7	859.2	857.3	857.3	857.3	852.5	851.0	855.5
5°	865.8	868.4	869.9	858.4	851.4	841.0	832.4	819.4	812.0	807.2	807.2
7.5°	882.6	885.5	878.8	853.2	828.3	800.5	771.9	748.1	731.1	723.6	725.9
10°	907.1	908.2	885.9	838.7	785.6	734.0	693.6	662.0	640.8	630.1	628.6
12.5°	935.7	930.8	887.4	806.8	728.1	658.7	609.3	568.4	541.3	530.9	525.7
15°	963.9	952.4	881.8	768.6	662.8	579.2	516.1	477.5	460.8	455.9	454.1
17.5°	989.1	967.6	863.2	713.6	587.0	486.4	440.0	426.2	428.1	432.6	434.4
20°	1012.1	979.1	836.5	648.3	492.3	414.0	402.5	415.1	425.5	432.2	433.3
22.5°	1037.4	990.2	799.4	568.8	414.7	380.6	394.3	408.8	419.2	425.9	427.0
25°	1056.7	989.9	747.0	474.5	365.7	371.7	388.0	401.0	408.8	413.6	413.2
27.5°	1068.9	980.9	678.3	396.9	346.4	365.3	380.9	389.5	393.9	397.7	397.3
30°	1072.7	963.9	591.8	339.7	337.5	359.4	371.3	376.5	379.8	383.5	383.5
32.5°	1080.1	937.5	496.4	307.8	330.8	353.5	360.5	364.6	362.0	352.7	350.9
35°	1088.3	908.2	406.2	292.9	324.5	349.4	356.1	345.3	317.1	313.4	311.9
37.5°	1104.2	881.1	329.7	282.6	323.0	351.6	357.2	314.1	290.3	278.8	277.0
40°	1131.3	854.0	278.5	275.1	324.9	361.3	342.3	299.3	259.9	238.0	234.3
42.5°	1167.0	820.9	249.5	271.4	330.1	376.9	337.1	278.1	235.0	220.2	217.9
45°	1208.2	777.1	235.8	270.7	336.4	384.7	338.6	261.0	223.9	212.4	211.6
47.5°	1250.9	734.0	229.8	269.9	344.2	381.3	318.2	255.8	219.4	216.1	218.3
50°	1296.9	685.0	225.0	268.1	350.5	381.3	307.1	254.7	220.9	228.3	235.8
52.5°	1340.0	643.8	219.4	262.5	353.1	374.6	303.7	258.8	223.1	221.3	223.5
55°	1392.3	622.7	216.5	254.7	348.3	354.2	299.6	269.9	225.0	209.8	209.8
57.5°	1452.1	618.2	212.0	244.3	332.7	326.0	299.3	276.6	220.2	206.1	203.5
60°	1524.1	627.9	206.4	231.3	313.7	304.1	296.7	276.6	212.4	199.8	200.9
62.5°	1582.4	626.7	203.1	219.8	288.5	281.4	291.8	272.9	209.4	199.0	198.6
65°	1596.2	603.0	193.4	205.0	257.3	254.0	286.6	263.6	205.3	194.9	192.0
67.5°	1549.8	549.1	179.0	185.3	224.3	224.6	277.4	251.4	199.8	192.7	187.9
70°	1418.0	444.1	157.4	161.5	188.6	193.4	263.6	236.9	190.5	183.0	171.5
72.5°	1186.6	319.3	132.6	133.7	150.0	162.6	239.9	217.2	176.7	159.3	147.0
75°	878.5	212.0	108.0	106.6	112.5	132.2	205.0	195.3	158.9	132.2	125.9
77.5°	464.5	125.5	83.2	83.5	79.8	101.4	162.6	169.7	141.1	111.4	105.1
80°	158.9	75.4	59.8	62.4	56.4	72.4	120.7	141.1	120.7	92.8	82.1
82.5°	72.8	46.0	42.7	44.6	40.5	49.0	82.8	106.9	96.2	67.6	54.6
85°	36.8	27.5	27.5	30.1	26.7	25.2	45.7	70.9	70.5	46.4	40.1
87.5°	15.2	13.4	12.6	14.5	12.6	9.7	13.0	25.6	37.1	27.8	17.8
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)