

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: P672246

Luminaire Tested: **CCP-SA-1D-735-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672246
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-735-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T3R distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

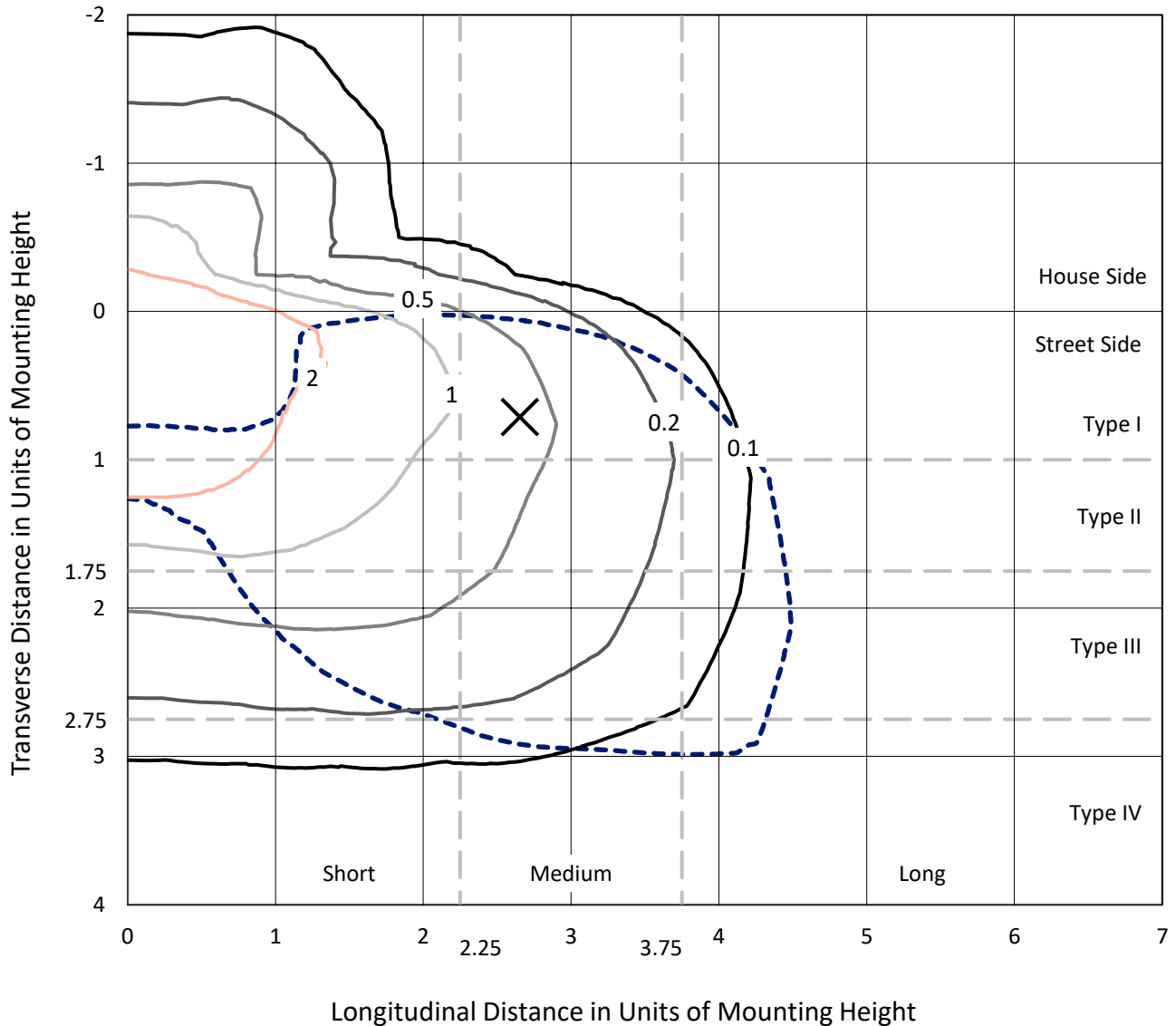
Lumens per Lamp: N/A
Luminaire Lumens: 5590.6 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 44
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

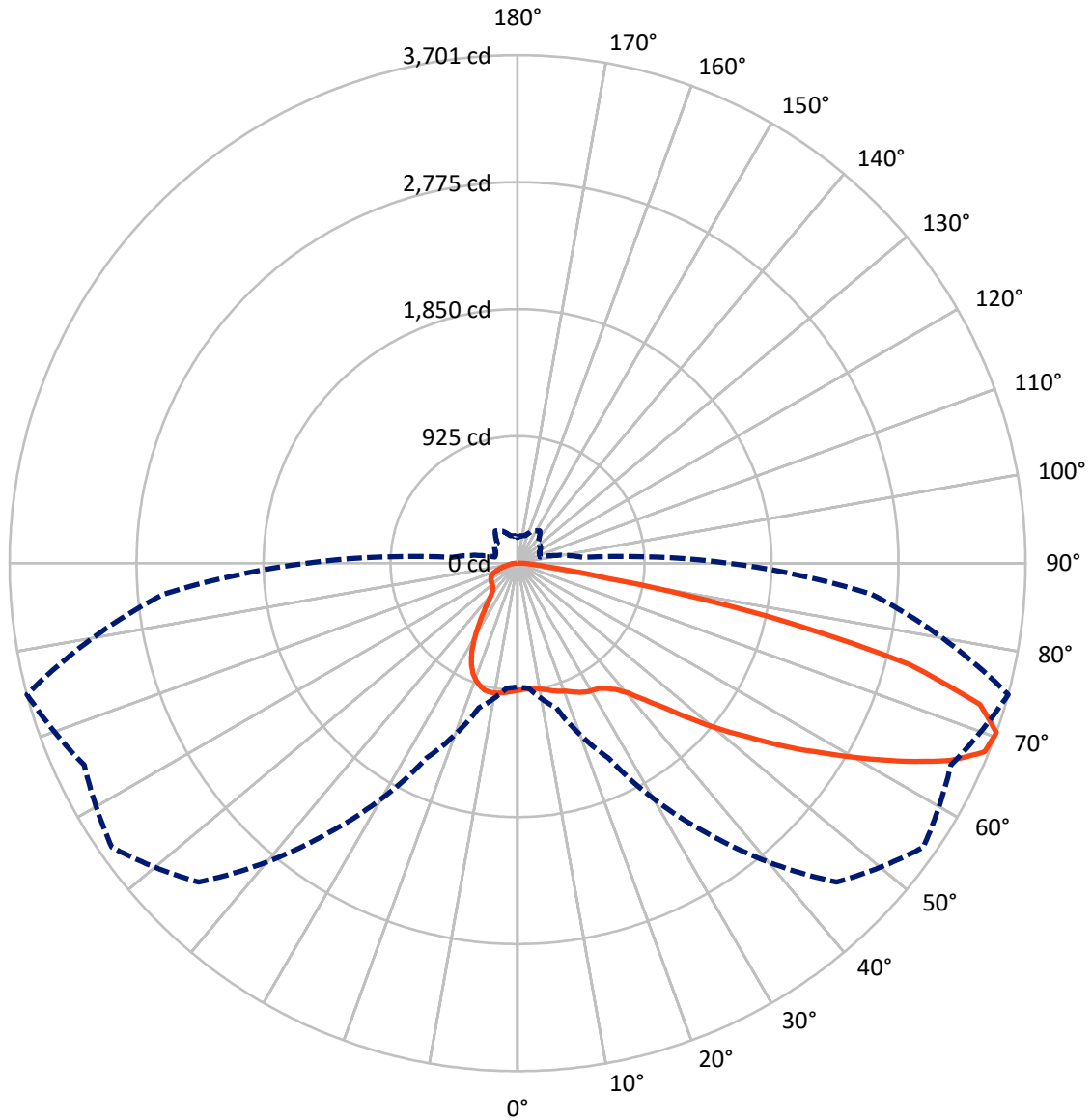
× Max cd
 - - - 1/2 Max cd



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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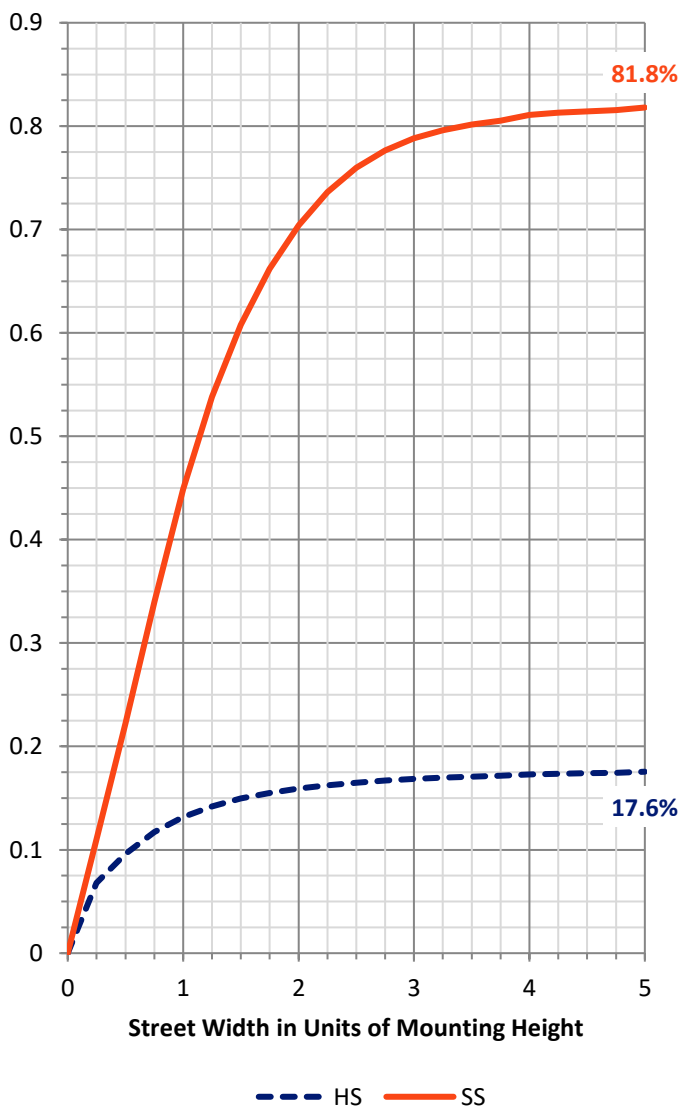
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	994.6	0.0	994.6
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	4595.9	0.0	4595.9
	% Fixture	82.2	0.0	82.2
Total	Lumens	5590.6	0.0	5590.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.2	1.5
10°-20°	222.0	4.0
20°-30°	374.0	6.7
30°-40°	568.1	10.2
40°-50°	813.9	14.6
50°-60°	1079.1	19.3
60°-70°	1350.4	24.2
70°-80°	986.1	17.6
80°-90°	113.7	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°	5590.6	100.0
0°-180°	5590.6	100.0



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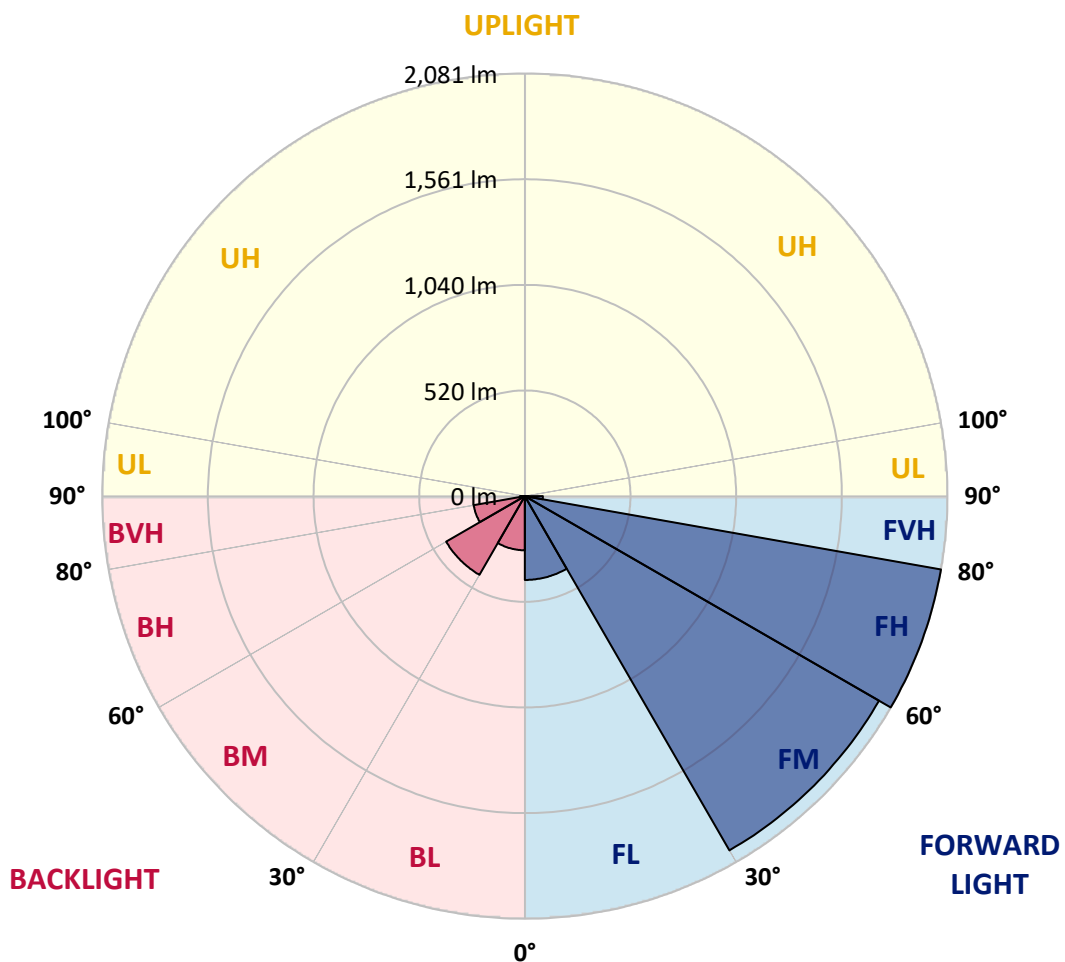
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	412.6	7.4			
FM (30°-60°)	2013.9	36.0			
FH (60°-80°)	2080.7	37.2			G2/5000
FVH (80°-90°)	88.7	1.6			G1/100
BL (0°-30°)	266.6	4.8	B1/500		
BM (30°-60°)	447.2	8.0	B1/1000		
BH (60°-80°)	255.9	4.6	B1/500		G1/500
BVH (80°-90°)	25.0	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°	926.0	926.0	926.0	926.0	926.0	926.0	926.0	926.0	926.0	926.0	926.0
2.5°	875.4	880.2	884.6	889.0	892.7	902.3	904.3	914.8	917.6	920.0	923.2
5°	826.3	829.9	834.3	841.6	849.2	866.5	878.6	901.5	914.4	918.4	929.7
7.5°	799.7	800.9	807.0	813.0	821.9	838.8	855.2	891.1	916.8	921.2	945.4
10°	780.4	782.0	787.7	796.1	805.0	820.7	841.2	883.8	925.6	932.5	966.7
12.5°	773.6	772.8	779.2	784.8	797.3	817.0	838.4	884.2	937.7	947.4	997.7
15°	800.9	795.7	799.7	797.7	801.7	821.1	846.4	893.1	952.6	964.7	1029.8
17.5°	861.3	856.9	854.0	836.7	825.5	836.3	860.5	905.5	968.3	981.2	1058.8
20°	951.4	938.9	928.5	899.5	868.1	864.5	881.4	918.0	983.2	995.6	1089.4
22.5°	1054.0	1043.9	1027.0	976.3	927.7	903.5	907.9	940.9	1004.9	1018.6	1124.4
25°	1183.5	1183.1	1148.5	1080.1	1006.5	957.8	948.6	977.5	1029.4	1042.7	1153.3
27.5°	1331.1	1321.1	1280.1	1192.0	1099.4	1025.0	1003.3	1015.0	1049.1	1062.8	1176.7
30°	1457.5	1458.7	1416.8	1320.7	1198.4	1090.6	1049.5	1041.9	1062.0	1075.7	1198.4
32.5°	1592.6	1585.8	1547.6	1448.6	1305.4	1161.0	1079.3	1061.2	1075.3	1088.2	1228.6
35°	1719.7	1712.1	1679.1	1572.5	1423.3	1238.6	1119.5	1091.4	1106.7	1120.8	1265.6
37.5°	1840.8	1842.0	1804.6	1702.9	1537.5	1330.3	1179.1	1136.8	1153.3	1169.0	1321.9
40°	1946.6	1940.6	1911.6	1819.9	1656.2	1423.7	1246.3	1198.8	1231.0	1245.5	1393.1
42.5°	1980.4	1980.0	1991.3	1935.0	1780.9	1534.7	1329.9	1295.3	1340.8	1362.5	1480.4
45°	1951.1	1959.9	2025.1	2023.5	1905.6	1662.2	1444.2	1412.8	1478.4	1502.9	1587.0
47.5°	1922.1	1935.4	2023.9	2074.2	2017.4	1802.6	1584.6	1561.2	1655.4	1690.8	1697.6
50°	1879.9	1892.3	1997.7	2081.4	2085.8	1944.6	1766.4	1737.0	1858.1	1894.3	1817.9
52.5°	1832.8	1842.4	1951.5	2076.2	2118.4	2055.7	1944.6	1936.2	2075.4	2104.7	1940.2
55°	1572.9	1613.9	1883.5	2064.9	2140.9	2140.5	2118.0	2145.8	2312.3	2356.2	2076.6
57.5°	1423.7	1445.4	1692.0	2058.5	2183.2	2219.0	2297.0	2356.6	2565.3	2604.8	2227.0
60°	1375.0	1394.3	1595.8	2050.8	2267.3	2341.7	2472.0	2568.6	2837.3	2885.6	2395.2
62.5°	1330.7	1354.1	1556.8	1990.1	2369.0	2536.0	2680.8	2797.9	3124.1	3181.2	2562.5
65°	1240.6	1257.1	1485.2	1939.0	2465.6	2813.1	2982.1	3050.5	3402.1	3466.4	2673.6
67.5°	1084.9	1100.6	1323.9	1821.5	2528.3	3101.6	3311.6	3312.0	3616.9	3669.6	2696.9
70°	901.9	914.0	1091.4	1565.7	2397.6	3286.6	3608.9	3482.9	3677.6	3700.6	2585.9
72.5°	644.9	655.3	799.3	1157.4	1965.9	3136.6	3676.4	3475.7	3530.4	3523.2	2270.1
75°	397.5	417.6	489.6	706.4	1221.7	2468.0	3308.8	3149.5	2964.4	2944.3	1709.3
77.5°	259.1	269.5	331.1	416.8	539.1	1416.8	2513.0	2361.4	1871.8	1848.5	918.8
80°	155.7	173.0	216.8	261.9	244.2	541.9	1434.9	1173.0	661.3	654.1	282.4
82.5°	83.7	99.4	152.9	162.1	137.2	191.5	519.7	381.4	211.6	209.2	105.8
85°	66.4	74.0	109.8	102.6	77.6	96.9	202.7	158.9	108.6	106.2	39.8
87.5°	40.2	50.7	83.3	69.2	38.6	35.0	92.9	75.2	51.1	47.5	15.7
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°	926.0	926.0	926.0	926.0	926.0	926.0	926.0	926.0	926.0	926.0	926.0
2.5°	929.3	931.3	933.3	929.3	930.9	928.9	928.9	928.9	923.6	922.0	926.9
5°	938.1	940.9	942.5	930.1	922.4	911.2	901.9	887.8	879.8	874.6	874.6
7.5°	956.2	959.4	952.2	924.4	897.5	867.3	836.3	810.6	792.1	784.0	786.5
10°	982.8	984.0	959.8	908.8	851.2	795.3	751.5	717.3	694.3	682.7	681.1
12.5°	1013.7	1008.5	961.4	874.2	788.9	713.6	660.1	615.9	586.5	575.3	569.6
15°	1044.3	1031.8	955.4	832.7	718.1	627.6	559.2	517.3	499.2	494.0	492.0
17.5°	1071.7	1048.3	935.3	773.2	636.0	527.0	476.7	461.8	463.8	468.7	470.7
20°	1096.6	1060.8	906.3	702.4	533.4	448.5	436.1	449.7	461.0	468.3	469.5
22.5°	1124.0	1072.9	866.1	616.3	449.3	412.3	427.2	442.9	454.2	461.4	462.6
25°	1144.9	1072.5	809.4	514.1	396.2	402.7	420.4	434.5	442.9	448.1	447.7
27.5°	1158.2	1062.8	735.0	430.0	375.3	395.8	412.7	422.0	426.8	430.8	430.4
30°	1162.2	1044.3	641.2	368.1	365.7	389.4	402.3	407.9	411.5	415.6	415.6
32.5°	1170.2	1015.8	537.8	333.5	358.4	383.0	390.6	395.0	392.2	382.2	380.2
35°	1179.1	984.0	440.1	317.4	351.6	378.5	385.8	374.1	343.5	339.5	337.9
37.5°	1196.4	954.6	357.2	306.1	350.0	381.0	387.0	340.3	314.6	302.1	300.1
40°	1225.7	925.2	301.7	298.1	352.0	391.4	370.9	324.2	281.6	257.9	253.8
42.5°	1264.4	889.4	270.3	294.1	357.6	408.3	365.3	301.3	254.6	238.6	236.1
45°	1309.0	842.0	255.4	293.3	364.5	416.8	366.9	282.8	242.6	230.1	229.3
47.5°	1355.3	795.3	249.0	292.5	372.9	413.1	344.8	277.2	237.7	234.1	236.5
50°	1405.2	742.2	243.8	290.4	379.8	413.1	332.7	276.0	239.4	247.4	255.4
52.5°	1451.8	697.6	237.7	284.4	382.6	405.9	329.1	280.4	241.8	239.8	242.2
55°	1508.6	674.6	234.5	276.0	377.3	383.8	324.6	292.5	243.8	227.3	227.3
57.5°	1573.3	669.8	229.7	264.7	360.4	353.2	324.2	299.7	238.6	223.3	220.4
60°	1651.4	680.3	223.7	250.6	339.9	329.5	321.4	299.7	230.1	216.4	217.6
62.5°	1714.5	679.0	220.0	238.1	312.6	304.9	316.2	295.7	226.9	215.6	215.2
65°	1729.4	653.3	209.6	222.1	278.8	275.2	310.6	285.6	222.5	211.2	208.0
67.5°	1679.1	595.0	193.9	200.7	243.0	243.4	300.5	272.3	216.4	208.8	203.6
70°	1536.3	481.1	170.6	175.0	204.4	209.6	285.6	256.7	206.4	198.3	185.9
72.5°	1285.7	346.0	143.6	144.8	162.5	176.2	259.9	235.3	191.5	172.6	159.3
75°	951.8	229.7	117.1	115.5	121.9	143.2	222.1	211.6	172.2	143.2	136.4
77.5°	503.3	136.0	90.1	90.5	86.5	109.8	176.2	183.8	152.9	120.7	113.8
80°	172.2	81.7	64.8	67.6	61.1	78.4	130.7	152.9	130.7	100.6	88.9
82.5°	78.8	49.9	46.3	48.3	43.8	53.1	89.7	115.9	104.2	73.2	59.1
85°	39.8	29.8	29.8	32.6	29.0	27.4	49.5	76.8	76.4	50.3	43.4
87.5°	16.5	14.5	13.7	15.7	13.7	10.5	14.1	27.8	40.2	30.2	19.3
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)