

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: P670738

Luminaire Tested: **CCP-SA-1C-840-U-T2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670738
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-840-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T2
distribution lens
Light Source: (16) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3845.2 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

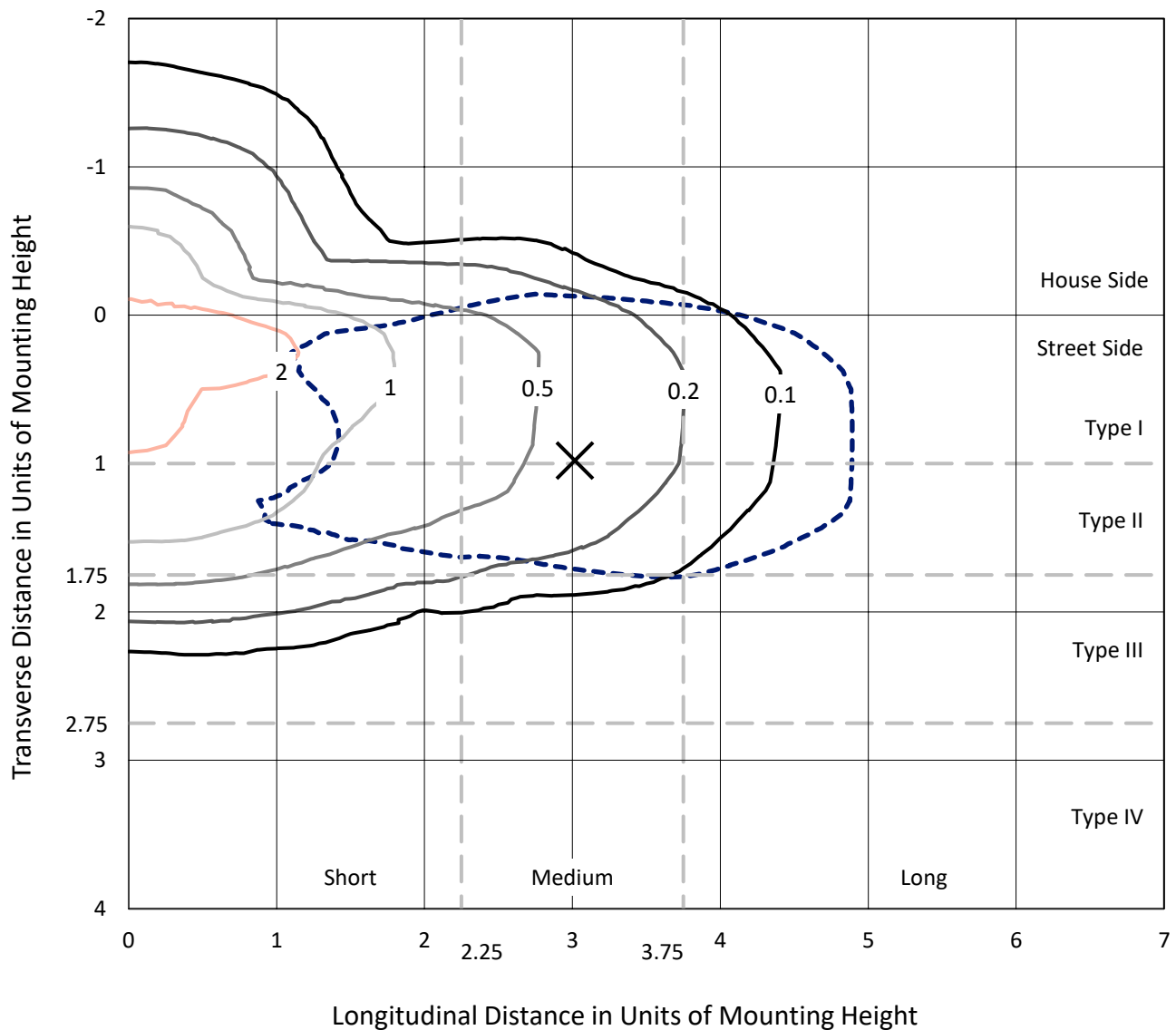
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P670738

CATALOG NUMBER: CCP-SA-1C-840-U-T2

Iso-Footcandle Lines of Horizontal Illumination

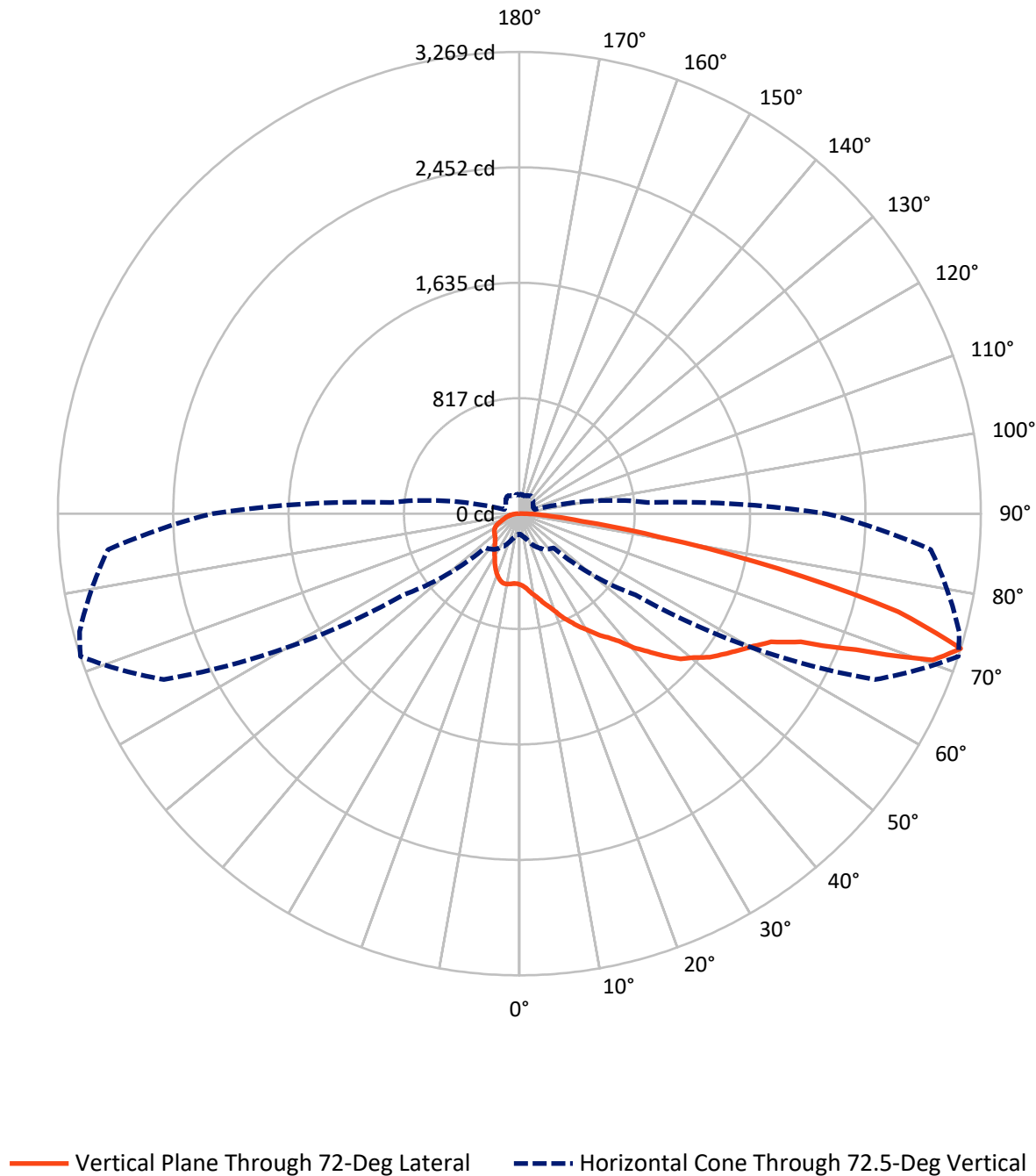
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
 Type II - Medium - N/A

REPORT NUMBER: P670738
CATALOG NUMBER: CCP-SA-1C-840-U-T2

Luminous Intensity Polar Plot



REPORT NUMBER: P670738

CATALOG NUMBER: CCP-SA-1C-840-U-T2

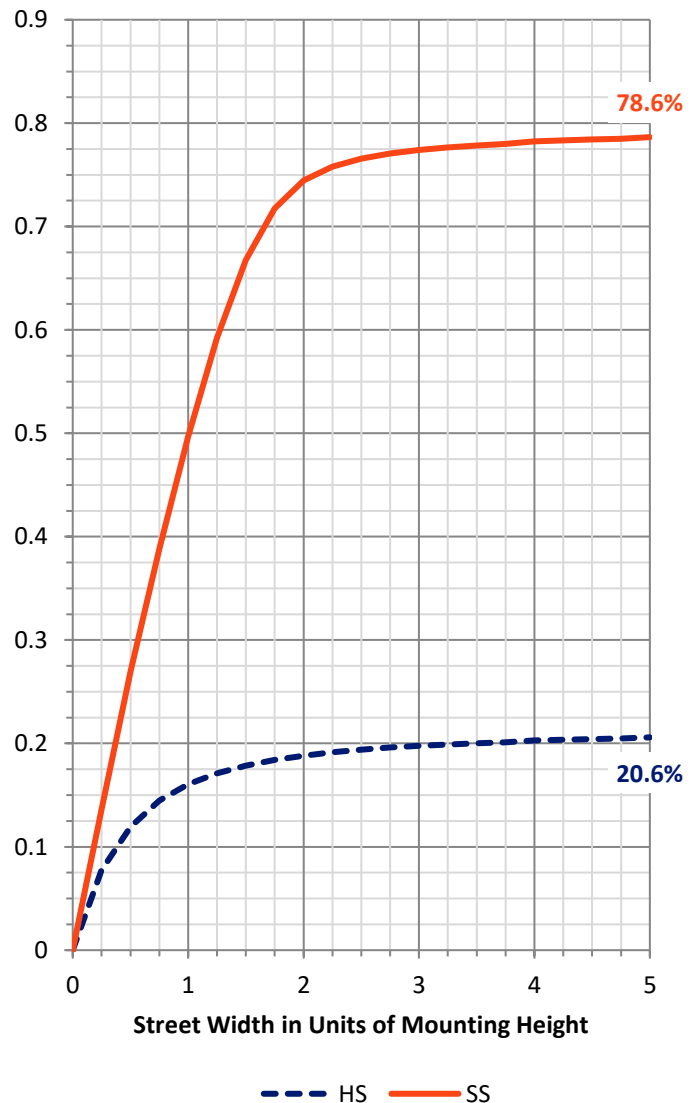
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	809.2	0.0	809.2
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	3036.0	0.0	3036.0
	% Fixture	79.0	0.0	79.0
Total	Lumens	3845.2	0.0	3845.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.7	1.3
10°-20°	154.3	4.0
20°-30°	267.0	6.9
30°-40°	394.4	10.3
40°-50°	586.5	15.3
50°-60°	804.1	20.9
60°-70°	872.2	22.7
70°-80°	614.9	16.0
80°-90°	102.2	2.7
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°	3845.2	100.0
0°-180°	3845.2	100.0

Coefficient of Utilization



REPORT NUMBER: P670738

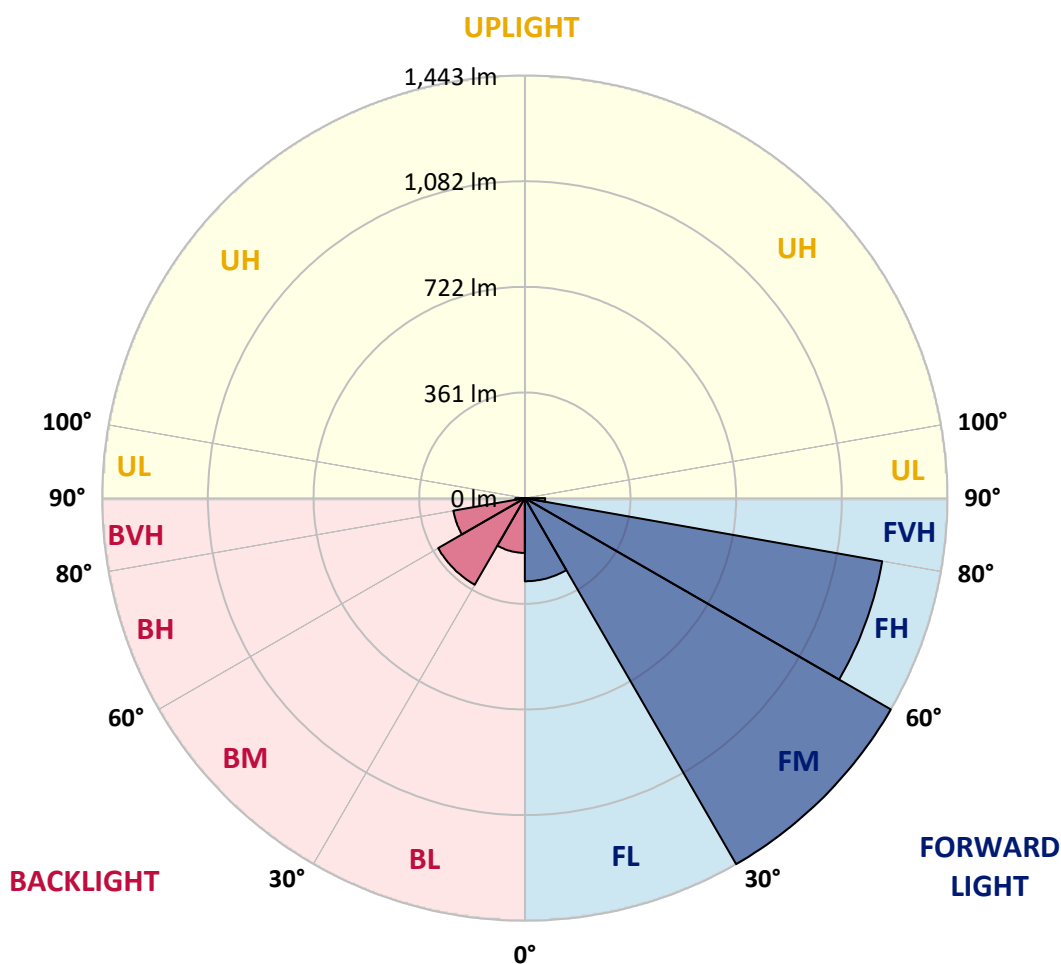
CATALOG NUMBER: CCP-SA-1C-840-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	283.9	7.4			
FM	(30°-60°)	1443.2	37.5			
FH	(60°-80°)	1239.2	32.2			G1/1800
FVH	(80°-90°)	69.7	1.8			G1/100
BL	(0°-30°)	187.0	4.9	B1/500		
BM	(30°-60°)	341.8	8.9	B1/1000		
BH	(60°-80°)	247.9	6.4	B1/500		G1/500
BVH	(80°-90°)	32.5	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



REPORT NUMBER: P670738

CATALOG NUMBER: CCP-SA-1C-840-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3
2.5°	542.0	542.0	537.8	536.3	536.3	525.0	526.4	519.3	513.6	513.6	508.0
5°	570.4	567.6	567.6	567.6	560.5	556.2	554.8	542.0	532.1	533.5	516.5
7.5°	577.5	578.9	580.3	587.4	583.2	586.0	583.2	569.0	561.9	554.8	539.2
10°	581.8	584.6	584.6	594.5	594.5	601.6	605.9	600.2	587.4	580.3	554.8
12.5°	591.7	587.4	593.1	600.2	607.3	620.1	632.8	627.2	618.6	610.1	581.8
15°	591.7	593.1	597.4	608.7	620.1	632.8	655.5	664.0	659.8	644.2	614.4
17.5°	574.7	570.4	590.3	611.5	632.8	648.4	678.2	698.1	695.3	689.6	644.2
20°	576.1	580.3	587.4	605.9	639.9	668.3	705.2	737.8	744.9	742.1	683.9
22.5°	601.6	603.0	610.1	618.6	645.6	682.5	737.8	790.3	803.1	796.0	727.9
25°	627.2	638.5	638.5	644.2	654.1	692.4	759.1	832.9	851.3	852.8	773.3
27.5°	668.3	671.1	679.7	682.5	691.0	713.7	783.2	864.1	906.7	901.0	814.5
30°	716.5	718.0	723.6	720.8	722.2	750.6	805.9	899.6	957.8	959.2	858.4
32.5°	773.3	784.7	787.5	769.0	771.9	779.0	841.4	942.2	1021.6	1011.7	896.7
35°	857.0	861.3	852.8	844.2	823.0	818.7	878.3	984.7	1076.9	1088.3	953.5
37.5°	960.6	971.9	960.6	915.2	892.5	875.5	923.7	1031.5	1143.6	1181.9	1010.3
40°	1057.1	1055.7	1044.3	1003.2	963.4	950.7	989.0	1096.8	1247.2	1284.1	1092.6
42.5°	1135.1	1130.9	1123.8	1092.6	1055.7	1034.4	1064.2	1164.9	1333.8	1404.7	1187.6
45°	1203.2	1197.6	1199.0	1163.5	1128.0	1139.4	1139.4	1243.0	1435.9	1523.9	1296.9
47.5°	1267.1	1269.9	1265.7	1238.7	1211.7	1241.5	1225.9	1332.3	1536.7	1634.6	1389.1
50°	1340.9	1346.5	1332.3	1315.3	1291.2	1321.0	1301.1	1416.1	1601.9	1735.3	1499.8
52.5°	1410.4	1416.1	1428.8	1407.6	1383.4	1407.6	1362.1	1494.1	1688.5	1833.2	1584.9
55°	1427.4	1424.6	1495.5	1518.2	1531.0	1458.6	1416.1	1560.8	1756.6	1895.7	1681.4
57.5°	1349.4	1356.5	1453.0	1518.2	1654.4	1592.0	1477.1	1638.8	1827.5	1978.0	1770.8
60°	1155.0	1159.2	1279.9	1434.5	1633.2	1716.9	1641.7	1739.6	1905.6	2047.5	1871.5
62.5°	771.9	804.5	954.9	1197.6	1482.8	1750.9	1904.2	1909.8	2000.7	2135.4	2009.2
65°	407.2	422.8	540.6	736.4	1123.8	1633.2	2151.1	2247.5	2190.8	2297.2	2207.8
67.5°	266.8	272.4	336.3	447.0	648.4	1191.9	2179.4	2833.5	2572.5	2605.1	2525.6
70°	198.6	201.5	248.3	330.6	401.5	637.1	1786.4	3107.4	3106.0	3019.4	2903.1
72.5°	146.1	150.4	183.0	252.6	309.3	343.4	1004.6	2779.6	3269.2	3225.2	2925.8
75°	114.9	117.8	134.8	195.8	249.7	225.6	509.4	2058.8	2772.5	2984.0	2677.5
77.5°	93.6	96.5	106.4	141.9	200.1	174.5	244.1	1328.1	1880.0	2148.2	2048.9
80°	78.0	78.0	85.1	100.7	154.7	132.0	144.7	746.3	1013.1	1118.1	929.4
82.5°	66.7	65.3	70.9	73.8	114.9	95.1	93.6	337.7	445.5	472.5	349.1
85°	42.6	44.0	66.7	63.9	75.2	65.3	52.5	160.3	210.0	214.3	130.5
87.5°	17.0	17.0	28.4	35.5	42.6	39.7	25.5	72.4	92.2	92.2	36.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P670738

CATALOG NUMBER: CCP-SA-1C-840-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3	502.3
2.5°	506.5	500.9	496.6	493.8	486.7	479.6	481.0	479.6	473.9	471.1	471.1
5°	512.2	506.5	499.5	488.1	481.0	472.5	475.3	469.7	464.0	468.2	461.1
7.5°	526.4	516.5	506.5	489.5	478.2	465.4	459.7	456.9	452.6	449.8	449.8
10°	546.3	532.1	513.6	488.1	469.7	449.8	447.0	441.3	437.0	437.0	435.6
12.5°	566.1	550.5	519.3	478.2	447.0	432.8	431.3	432.8	435.6	437.0	438.4
15°	591.7	566.1	517.9	459.7	428.5	422.8	429.9	435.6	441.3	447.0	445.5
17.5°	615.8	586.0	505.1	437.0	412.9	414.3	427.1	438.4	449.8	455.5	456.9
20°	648.4	604.5	486.7	410.1	397.3	410.1	427.1	441.3	454.0	461.1	462.6
22.5°	685.3	625.7	462.6	385.9	384.5	397.3	414.3	435.6	449.8	462.6	461.1
25°	718.0	639.9	431.3	366.1	368.9	377.4	397.3	420.0	434.2	448.4	444.1
27.5°	739.2	642.8	398.7	351.9	351.9	360.4	378.8	393.0	405.8	417.2	418.6
30°	763.4	637.1	361.8	333.4	333.4	344.8	351.9	360.4	367.5	370.3	373.2
32.5°	791.7	624.3	339.1	319.3	319.3	327.8	332.0	329.2	327.8	320.7	324.9
35°	818.7	605.9	313.6	300.8	306.5	310.7	309.3	300.8	292.3	279.5	275.3
37.5°	851.3	587.4	290.9	280.9	290.9	292.3	292.3	282.4	271.0	255.4	255.4
40°	901.0	573.2	272.4	268.2	278.1	276.7	269.6	262.5	266.8	258.2	258.2
42.5°	953.5	567.6	255.4	256.8	261.1	262.5	255.4	246.9	263.9	254.0	255.4
45°	1018.8	571.8	244.1	242.6	252.6	251.1	246.9	239.8	245.5	219.9	212.8
47.5°	1079.8	580.3	238.4	232.7	244.1	246.9	241.2	225.6	217.1	201.5	198.6
50°	1135.1	598.8	232.7	221.3	232.7	238.4	228.4	211.4	201.5	191.6	191.6
52.5°	1187.6	625.7	229.9	208.6	218.5	225.6	219.9	202.9	191.6	187.3	183.0
55°	1241.5	649.9	225.6	200.1	202.9	217.1	215.7	193.0	181.6	181.6	180.2
57.5°	1318.2	682.5	219.9	185.9	191.6	207.2	207.2	188.7	175.9	177.4	178.8
60°	1396.2	720.8	214.3	171.7	175.9	197.2	200.1	183.0	171.7	173.1	171.7
62.5°	1521.1	791.7	202.9	154.7	163.2	184.5	191.6	175.9	166.0	168.8	168.8
65°	1709.8	913.8	178.8	140.5	150.4	173.1	183.0	168.8	157.5	166.0	163.2
67.5°	2013.4	1081.2	150.4	129.1	141.9	161.8	173.1	160.3	150.4	163.2	158.9
70°	2285.9	1163.5	129.1	119.2	129.1	149.0	161.8	151.8	141.9	154.7	149.0
72.5°	2175.2	912.4	112.1	107.8	117.8	134.8	150.4	140.5	130.5	137.6	132.0
75°	1877.2	726.5	97.9	96.5	105.0	122.0	137.6	130.5	120.6	123.4	120.6
77.5°	1423.2	600.2	83.7	82.3	89.4	109.3	123.4	117.8	107.8	106.4	106.4
80°	635.7	295.1	69.5	69.5	73.8	93.6	105.0	102.2	92.2	90.8	89.4
82.5°	208.6	112.1	56.8	53.9	59.6	78.0	93.6	90.8	80.9	78.0	75.2
85°	83.7	53.9	41.1	41.1	46.8	65.3	83.7	78.0	65.3	58.2	58.2
87.5°	28.4	22.7	21.3	21.3	29.8	44.0	62.4	52.5	46.8	41.1	42.6
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)