

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: P671954

Luminaire Tested: **CCP-SA-2E-730-U-AFL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671954
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-730-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ AFL distribution lens
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

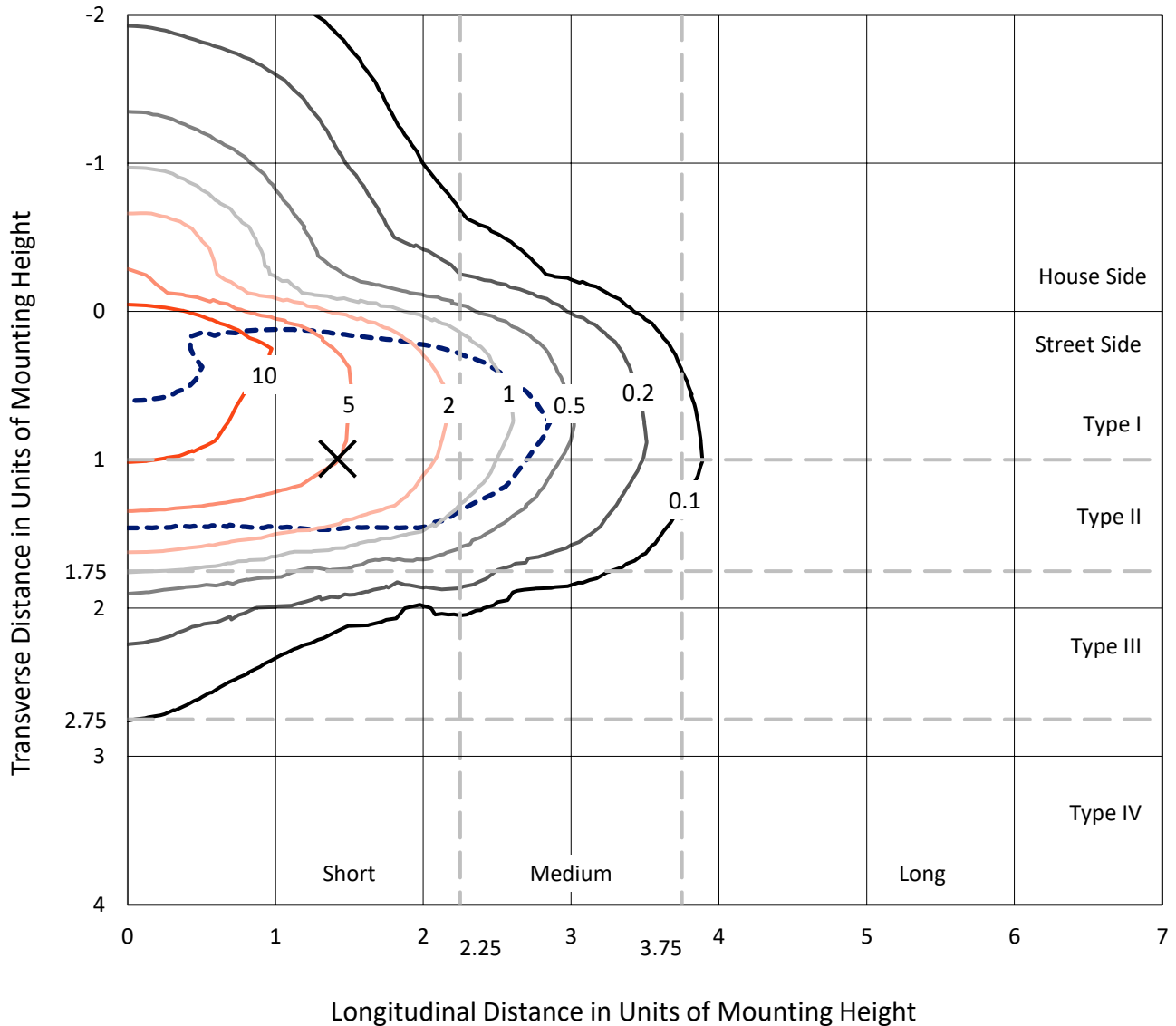
Lumens per Lamp: N/A
Luminaire Lumens: 12564.6 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 106.6
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: P671954
 CATALOG NUMBER: CCP-SA-2E-730-U-AFL

Iso-Footcandle Lines of Horizontal Illumination

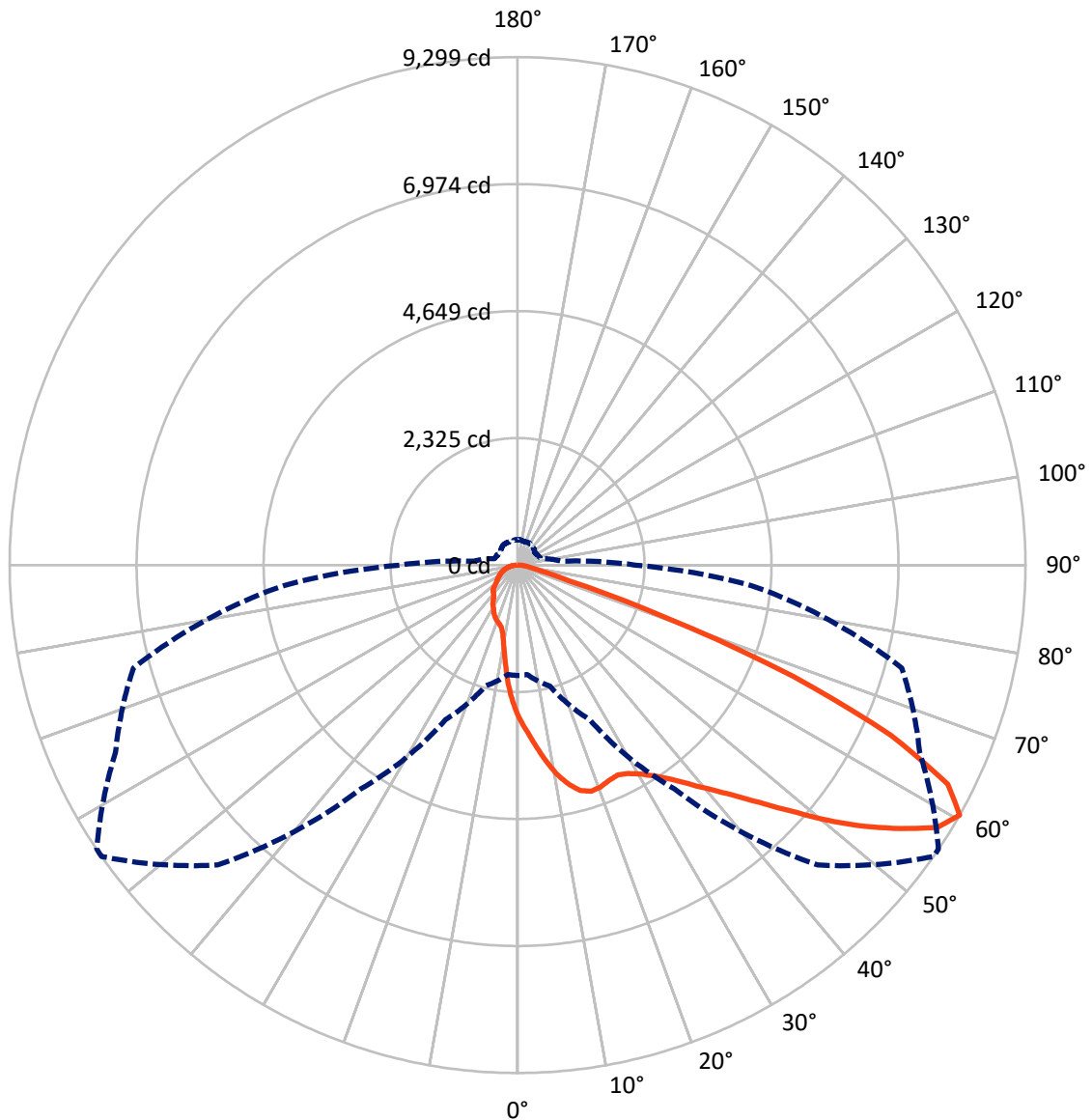
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 17.4 fc
 Type II - Short - N/A

REPORT NUMBER: P671954
CATALOG NUMBER: CCP-SA-2E-730-U-AFL

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P671954
 CATALOG NUMBER: CCP-SA-2E-730-U-AFL

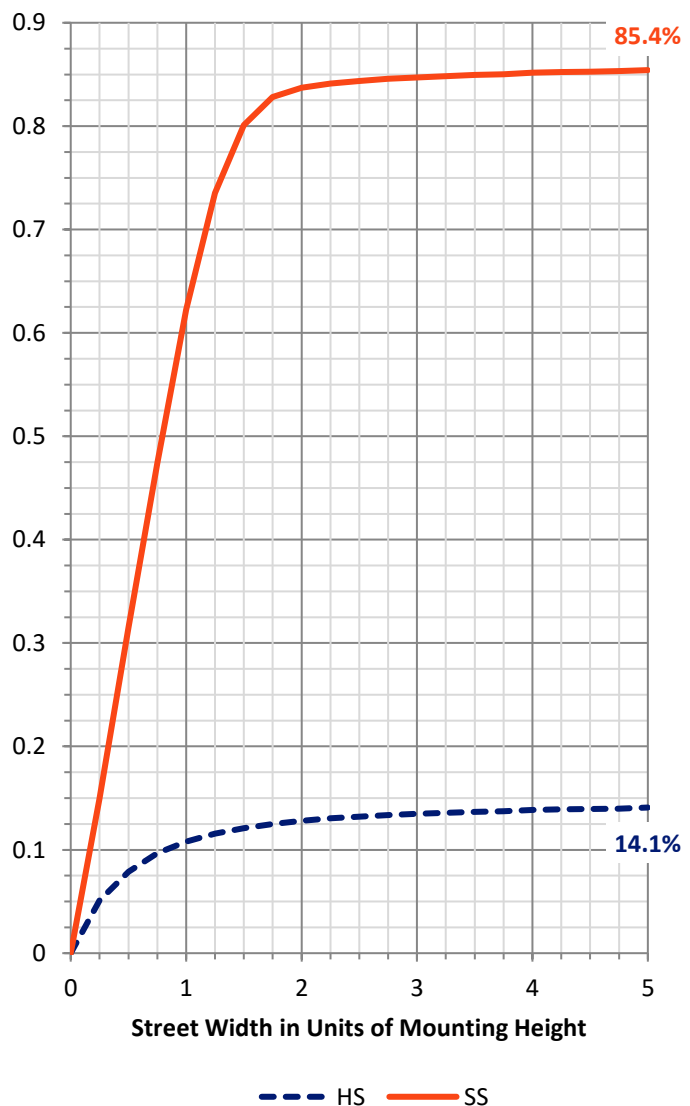
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1806.2	0.0	1806.2
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	10758.4	0.0	10758.4
	% Fixture	85.6	0.0	85.6
Total	Lumens	12564.6	0.0	12564.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.8	2.1
10°-20°	738.8	5.9
20°-30°	1202.9	9.6
30°-40°	1797.9	14.3
40°-50°	2642.5	21.0
50°-60°	3097.2	24.6
60°-70°	2042.1	16.3
70°-80°	650.3	5.2
80°-90°	132.2	1.1
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°	12564.6	100.0
0°-180°	12564.6	100.0



REPORT NUMBER: P671954

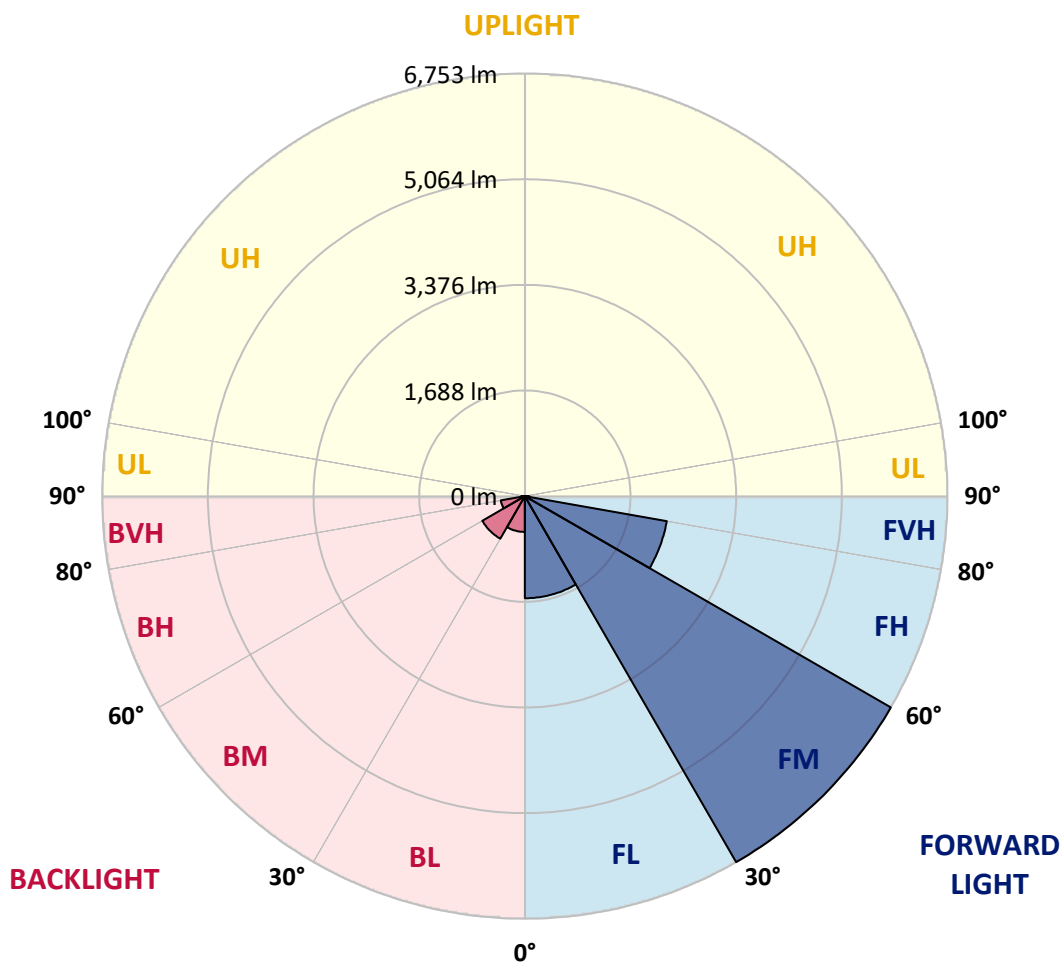
CATALOG NUMBER: CCP-SA-2E-730-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1630.8	13.0			
FM (30°-60°)	6752.5	53.7			
FH (60°-80°)	2302.6	18.3			G2/5000
FVH (80°-90°)	72.5	0.6			G1/100
BL (0°-30°)	571.7	4.6	B2/1000		
BM (30°-60°)	785.0	6.2	B1/1000		
BH (60°-80°)	389.7	3.1	B1/500		G1/500
BVH (80°-90°)	59.7	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





REPORT NUMBER: P671954

CATALOG NUMBER: CCP-SA-2E-730-U-AFL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2786.6	2786.6	2786.6	2786.6	2786.6	2786.6	2786.6	2786.6	2786.6	2786.6	2786.6
2.5°	3242.8	3230.9	3230.9	3200.9	3156.3	3094.3	3020.6	3002.4	2974.1	2902.2	2809.3
5°	3737.3	3724.5	3707.2	3654.4	3571.5	3447.7	3292.0	3263.7	3162.6	3014.2	2846.7
7.5°	4064.2	4056.9	4051.4	4005.9	3923.9	3801.9	3593.4	3561.5	3390.3	3144.4	2882.2
10°	4030.5	4052.3	4090.6	4122.5	4138.8	4076.0	3880.2	3842.9	3630.7	3295.6	2935.0
12.5°	3714.5	3745.5	3816.5	3946.7	4097.0	4218.1	4107.0	4086.0	3887.5	3455.9	3001.5
15°	3479.5	3492.3	3526.9	3623.4	3847.4	4170.7	4282.7	4263.6	4127.0	3661.7	3078.0
17.5°	3406.7	3412.2	3420.4	3452.2	3605.2	3985.9	4354.7	4372.9	4359.2	3875.7	3164.5
20°	3443.1	3446.8	3447.7	3453.1	3526.0	3831.1	4335.5	4366.5	4563.2	4089.7	3250.1
22.5°	3583.4	3578.8	3572.4	3551.5	3592.5	3803.7	4284.6	4333.7	4720.7	4284.6	3329.3
25°	3828.3	3821.9	3777.3	3733.6	3750.9	3902.1	4257.2	4310.0	4843.7	4468.5	3387.6
27.5°	4119.7	4113.4	4067.8	3985.0	3966.7	4066.0	4321.0	4353.8	4933.8	4631.5	3413.1
30°	4422.1	4422.1	4365.6	4270.0	4211.7	4253.6	4438.4	4464.9	5002.1	4789.0	3429.5
32.5°	4751.7	4760.8	4673.4	4564.1	4499.5	4474.9	4603.3	4626.0	5101.4	4974.8	3464.1
35°	5175.2	5155.1	5048.6	4904.7	4800.9	4745.3	4807.3	4833.7	5247.1	5206.1	3519.6
37.5°	5651.4	5615.9	5484.8	5312.7	5131.4	5038.6	5079.5	5085.9	5462.9	5507.5	3620.7
40°	6044.8	6038.4	5927.3	5764.3	5535.8	5411.0	5391.0	5394.6	5762.5	5864.5	3773.7
42.5°	6376.3	6352.6	6332.6	6275.2	6033.0	5828.1	5746.1	5747.0	6087.6	6233.3	3927.6
45°	6522.9	6518.3	6577.5	6725.1	6551.1	6309.8	6193.2	6209.6	6460.1	6612.1	4076.0
47.5°	6460.1	6463.7	6622.2	7009.2	7112.1	6927.2	6720.5	6710.5	6820.7	6902.6	4207.1
50°	5899.1	5958.3	6387.2	7035.6	7480.0	7572.0	7338.8	7301.5	7136.7	7133.9	4287.3
52.5°	5475.7	5472.9	5736.1	6767.0	7610.2	8153.9	7944.4	7860.6	7398.0	7264.2	4293.7
55°	4903.8	4900.1	5095.9	5981.1	7351.6	8560.0	8515.4	8410.7	7637.5	7307.0	4249.9
57.5°	3713.6	3782.8	3977.7	4788.1	6532.0	8495.3	9060.8	8973.4	7871.6	7287.8	4241.8
60°	2020.7	2012.5	2294.8	3120.8	5001.2	7761.4	9298.5	9294.0	8120.2	7280.6	4291.8
62.5°	931.6	922.5	978.9	1389.6	2867.6	6217.8	8839.6	8905.1	8350.6	7214.1	4287.3
65°	696.6	673.0	596.5	646.6	1097.3	3711.8	7508.2	7683.1	7995.4	6940.9	4088.8
67.5°	621.1	598.3	509.0	477.2	550.9	1309.5	5446.5	5607.7	6685.9	6429.1	3767.3
70°	569.1	549.1	459.9	409.8	413.4	580.1	2851.2	3168.1	4900.1	5365.5	3210.9
72.5°	519.1	501.8	420.7	360.6	347.9	383.4	971.7	1172.0	3047.9	3910.3	2394.1
75°	466.2	449.9	378.8	323.3	298.7	284.1	462.6	498.1	1611.8	2159.1	1284.9
77.5°	405.2	396.1	337.8	285.0	264.1	214.9	307.8	323.3	690.3	847.8	611.9
80°	352.4	345.1	301.4	258.6	236.8	165.7	212.2	223.1	340.6	423.4	342.4
82.5°	229.5	247.7	249.5	222.2	208.5	133.0	140.2	148.4	225.8	249.5	149.3
85°	94.7	114.7	172.1	153.0	144.8	112.9	92.9	94.7	138.4	145.7	53.7
87.5°	42.8	47.4	84.7	85.6	74.7	42.8	46.4	51.0	71.0	70.1	23.7
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: P671954
 CATALOG NUMBER: CCP-SA-2E-730-U-AFL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2786.6	2786.6	2786.6	2786.6	2786.6	2786.6	2786.6	2786.6	2786.6	2786.6	2786.6
2.5°	2783.8	2741.9	2667.3	2571.6	2503.3	2453.3	2398.6	2358.6	2313.9	2274.8	2281.1
5°	2777.4	2696.4	2528.8	2351.3	2178.2	2036.2	1917.8	1830.4	1740.2	1704.7	1700.2
7.5°	2782.9	2645.4	2370.4	2079.9	1816.7	1635.5	1498.0	1415.1	1363.2	1333.2	1335.0
10°	2781.1	2597.1	2199.2	1798.5	1510.7	1345.0	1261.2	1233.9	1229.4	1233.0	1238.5
12.5°	2783.8	2531.6	2007.0	1545.4	1291.3	1206.6	1210.2	1234.8	1250.3	1260.3	1266.7
15°	2795.7	2477.8	1810.3	1345.9	1176.5	1179.3	1218.4	1256.7	1279.4	1290.4	1295.8
17.5°	2813.0	2410.5	1635.5	1194.8	1128.3	1170.2	1221.2	1262.1	1279.4	1285.8	1290.4
20°	2814.8	2333.1	1458.8	1090.9	1096.4	1151.0	1195.7	1228.5	1250.3	1257.6	1261.2
22.5°	2806.6	2228.3	1277.6	1015.4	1060.0	1114.6	1152.9	1190.2	1161.1	1137.4	1131.0
25°	2772.0	2096.3	1122.8	953.4	1014.5	1065.4	1109.2	1068.2	1054.5	1036.3	1038.1
27.5°	2697.3	1931.5	977.1	895.2	960.7	1033.6	1001.7	996.2	978.9	960.7	960.7
30°	2599.0	1757.5	855.1	834.1	896.1	932.5	939.8	931.6	921.6	897.9	899.7
32.5°	2510.6	1573.6	768.6	783.1	855.1	855.1	887.0	887.0	850.5	784.1	784.1
35°	2423.2	1400.6	704.8	740.3	787.7	803.2	846.9	789.5	737.6	707.6	705.7
37.5°	2354.9	1253.0	662.9	703.9	722.1	761.3	762.2	720.3	703.0	675.7	673.0
40°	2314.8	1129.2	637.4	685.7	687.5	724.0	663.9	675.7	672.1	651.1	648.4
42.5°	2293.0	1033.6	618.3	670.2	661.1	625.6	614.7	634.7	641.1	630.2	625.6
45°	2275.7	958.9	602.8	616.5	640.2	575.5	571.0	586.5	600.1	599.2	595.6
47.5°	2266.6	907.0	589.2	582.8	587.4	545.5	536.4	543.7	561.0	571.9	571.0
50°	2231.1	866.9	569.1	548.2	519.1	519.1	514.5	514.5	535.5	557.3	559.1
52.5°	2168.2	819.6	540.0	515.4	481.7	496.3	498.1	494.5	516.3	540.0	541.8
55°	2099.0	784.1	500.9	485.4	450.8	475.4	483.5	479.9	494.5	510.9	510.0
57.5°	2099.9	783.1	467.2	455.3	421.6	448.9	469.0	469.9	469.0	480.8	480.8
60°	2152.7	801.4	440.7	415.3	387.9	420.7	453.5	453.5	447.1	464.4	466.2
62.5°	2168.2	799.5	424.4	377.0	357.9	395.2	430.7	436.2	431.6	456.2	459.0
65°	2031.6	756.7	408.0	342.4	330.6	367.0	402.5	418.0	413.4	445.3	448.9
67.5°	1842.2	701.2	382.5	311.4	302.3	339.7	373.4	389.8	388.8	430.7	432.6
70°	1588.2	632.9	350.6	279.6	275.0	307.8	337.8	355.1	363.3	411.6	410.7
72.5°	1230.3	542.7	302.3	245.9	245.0	275.0	301.4	320.5	336.0	382.5	382.5
75°	793.2	427.1	246.8	213.1	209.4	237.7	265.0	286.9	334.2	408.0	407.1
77.5°	484.5	326.0	198.5	177.6	176.7	202.2	229.5	266.8	365.2	363.3	353.3
80°	290.5	234.0	158.5	142.1	142.1	165.7	195.8	285.9	303.2	346.0	326.9
82.5°	151.2	143.9	118.4	104.7	109.3	130.2	178.5	228.6	247.7	210.4	193.1
85°	61.9	76.5	72.9	66.5	69.2	90.2	172.1	183.0	146.6	153.9	154.8
87.5°	20.9	33.7	33.7	26.4	29.1	63.7	102.0	61.0	73.8	43.7	32.8
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)