

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: P675177

Luminaire Tested: **CCW-SA-1A-835-U-T4FT**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675177
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-835-U-T4FT
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T4FT distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

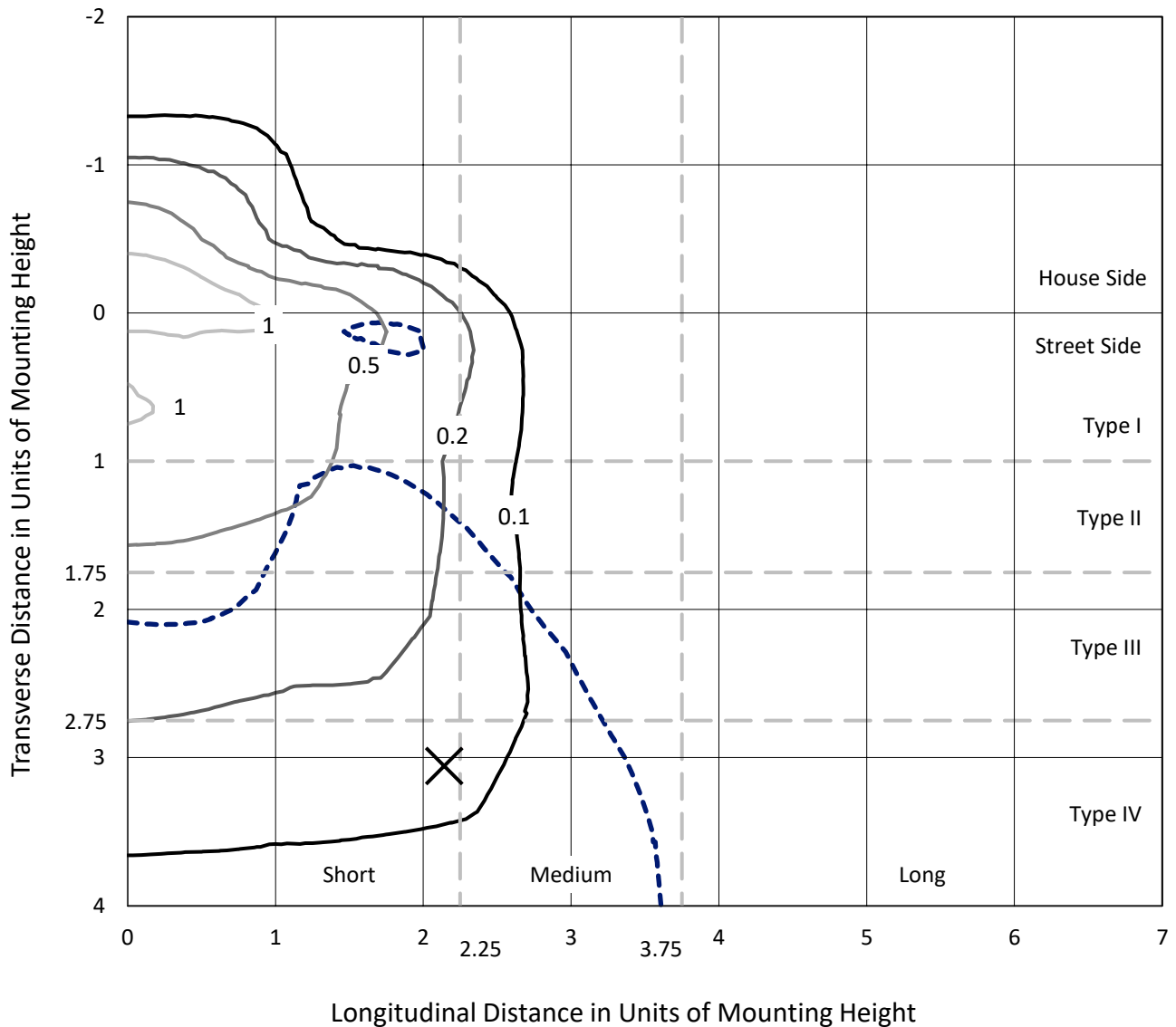
Lumens per Lamp: N/A
Luminaire Lumens: 2252.9 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 18
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

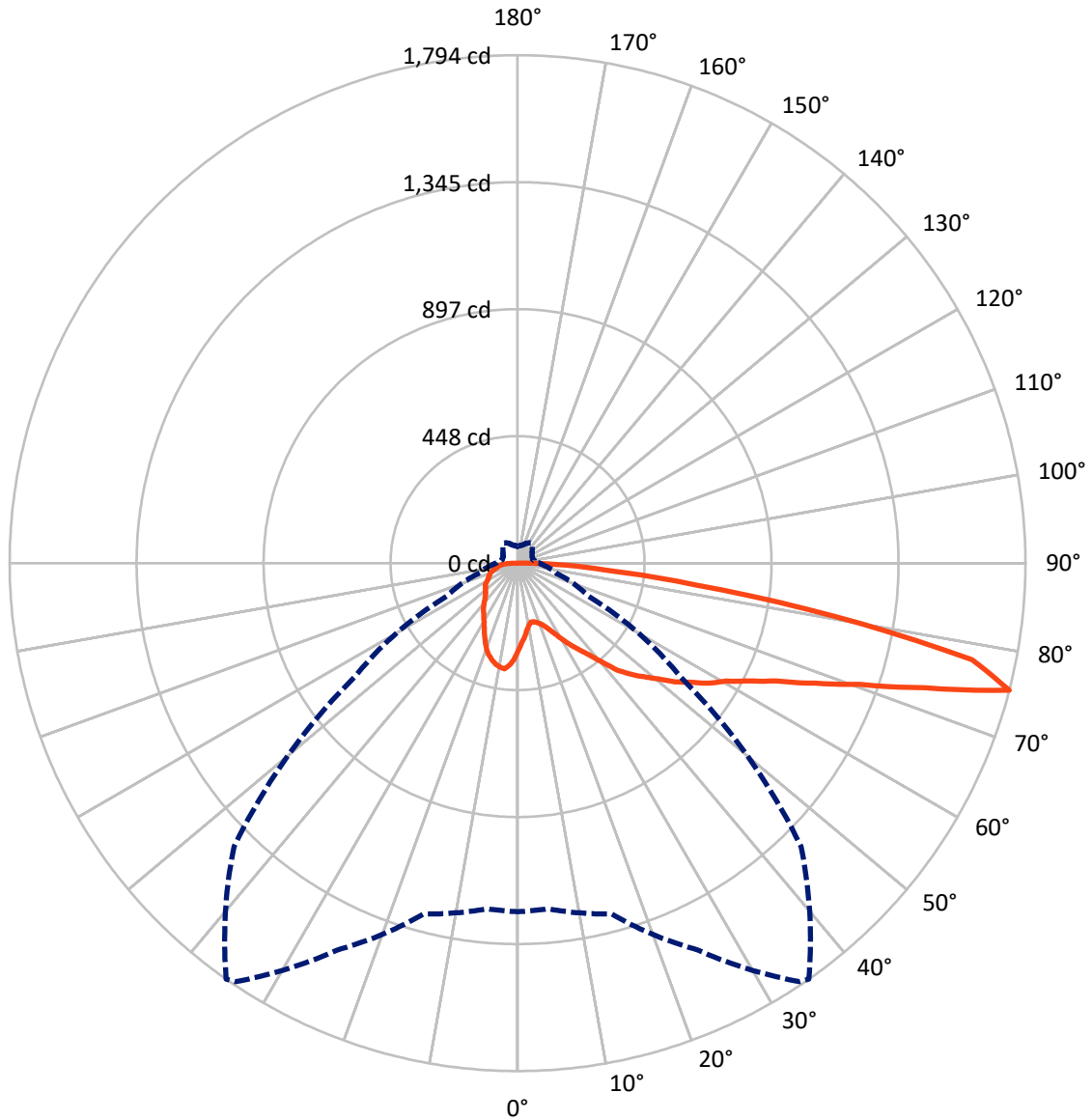
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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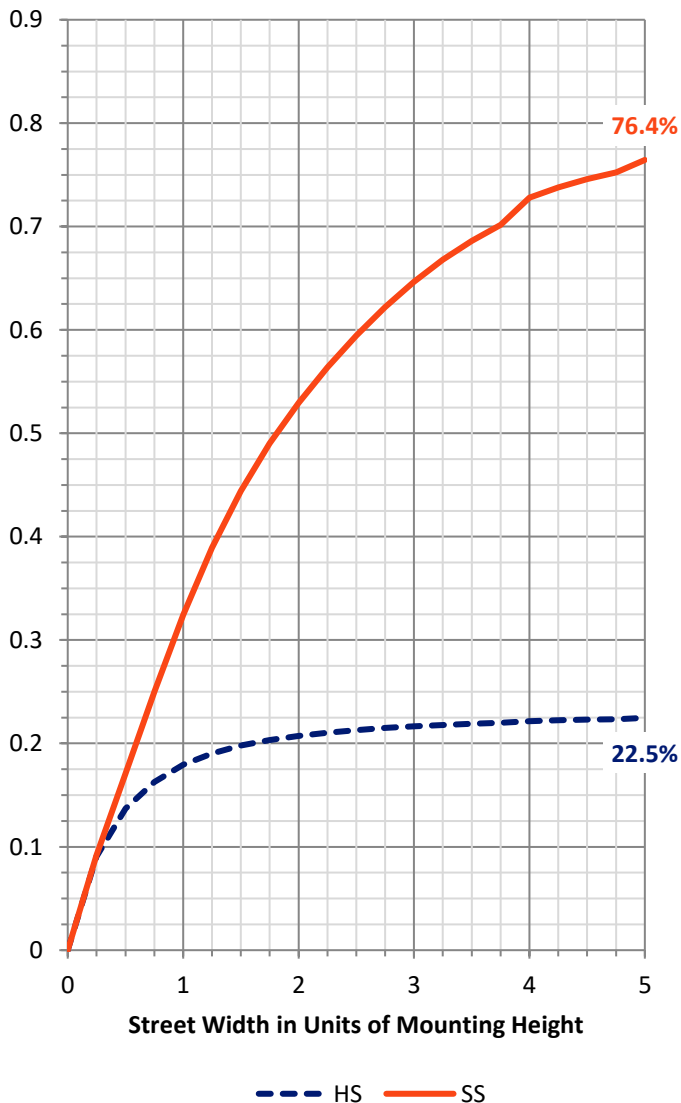
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	517.8	0.0	517.8
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	1735.1	0.0	1735.1
	% Fixture	77.0	0.0	77.0
Total	Lumens	2252.9	0.0	2252.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.4	1.3
10°-20°	85.4	3.8
20°-30°	141.6	6.3
30°-40°	210.0	9.3
40°-50°	302.7	13.4
50°-60°	416.3	18.5
60°-70°	514.2	22.8
70°-80°	470.4	20.9
80°-90°	82.8	3.7
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°	2252.9	100.0
0°-180°	2252.9	100.0



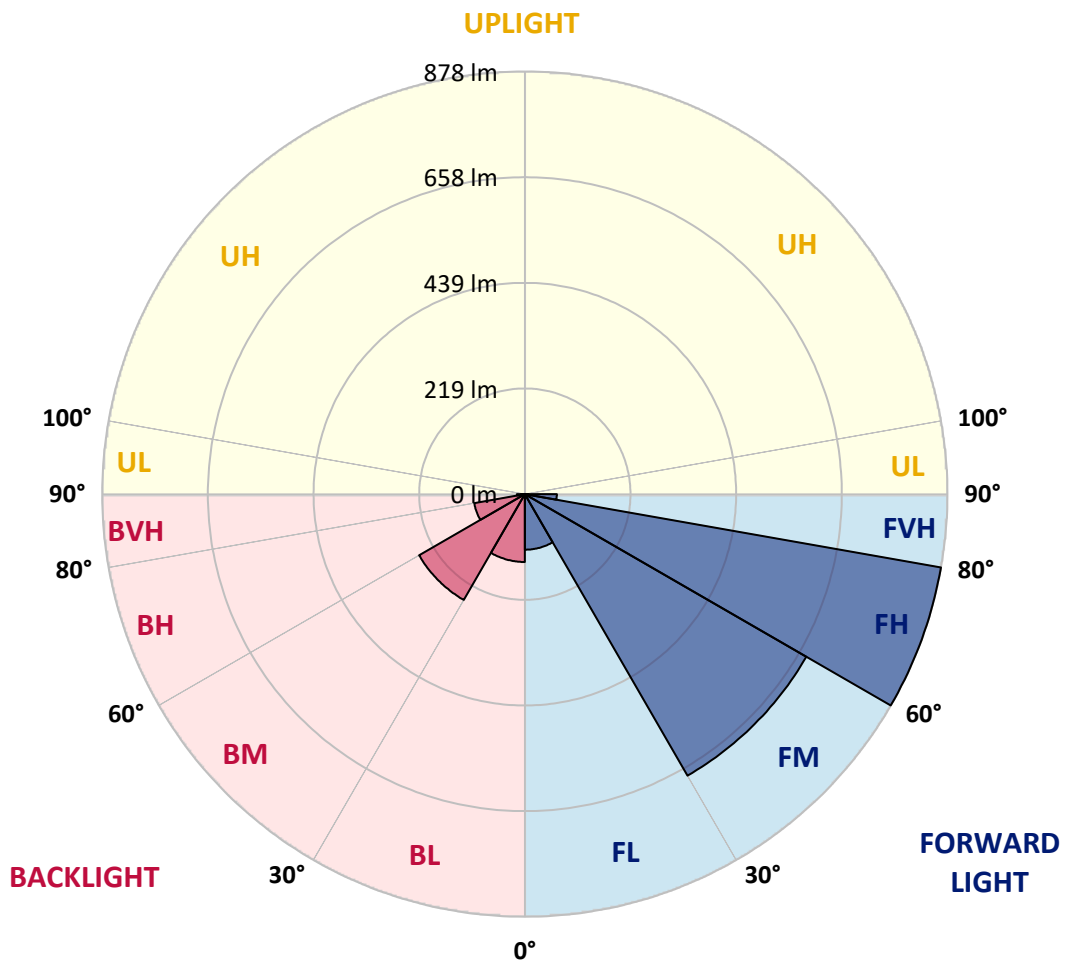
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	115.5	5.1			
FM (30°-60°)	675.3	30.0			
FH (60°-80°)	877.9	39.0			G1/1800
FVH (80°-90°)	66.5	3.0			G1/100
BL (0°-30°)	140.9	6.3	B1/500		
BM (30°-60°)	253.7	11.3	B1/1000		
BH (60°-80°)	106.8	4.7	B0/110		G0/110
BVH (80°-90°)	16.4	0.7			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	308.7	308.7	308.7	308.7	308.7	308.7	308.7	308.7	308.7	308.7	308.7
2.5°	279.6	277.1	279.6	281.3	281.3	281.3	283.8	291.2	296.2	299.5	305.3
5°	250.6	251.4	253.1	257.2	259.7	261.4	265.5	274.6	282.1	292.9	305.3
7.5°	224.9	226.5	229.0	233.2	239.0	238.1	247.3	259.7	273.8	287.9	306.2
10°	211.6	214.9	215.7	216.6	222.4	222.4	234.8	248.9	266.3	284.6	306.2
12.5°	214.1	214.1	211.6	210.8	214.1	213.2	224.0	240.6	259.7	285.4	309.5
15°	221.5	221.5	216.6	211.6	216.6	214.9	224.0	237.3	259.7	286.3	316.1
17.5°	231.5	232.3	226.5	218.2	219.9	220.7	227.3	239.8	259.7	287.9	325.3
20°	251.4	247.3	238.1	224.9	230.7	228.2	238.1	248.9	264.7	294.6	338.5
22.5°	268.8	268.8	251.4	239.8	240.6	240.6	249.8	258.9	272.2	303.7	348.5
25°	297.0	295.4	273.8	256.4	258.0	258.9	263.9	274.6	284.6	308.7	360.9
27.5°	332.7	328.6	307.0	287.1	280.5	282.9	285.4	293.7	296.2	317.0	375.9
30°	370.9	365.1	346.8	315.3	312.0	312.8	308.7	313.6	310.3	330.2	390.8
32.5°	395.0	395.0	377.5	354.3	345.2	345.2	331.1	334.4	334.4	342.7	417.4
35°	415.7	414.0	402.4	385.0	379.2	375.9	361.8	366.7	358.4	366.7	454.7
37.5°	447.2	442.3	437.3	425.7	414.0	411.6	404.1	407.4	395.8	391.6	497.0
40°	483.7	481.2	476.3	471.3	459.7	458.8	450.5	453.9	441.4	425.7	539.3
42.5°	537.7	530.2	514.4	510.3	512.8	516.1	512.8	507.0	484.6	464.7	585.0
45°	591.6	580.0	550.1	543.5	562.6	560.1	574.2	571.7	535.2	503.7	633.1
47.5°	626.5	616.5	592.4	588.3	596.6	599.9	642.2	634.8	576.7	539.3	679.6
50°	651.3	652.2	620.6	631.4	642.2	642.2	695.3	694.5	627.3	583.3	740.1
52.5°	687.9	676.2	663.0	672.9	687.9	696.2	761.7	743.4	658.8	620.6	808.2
55°	706.9	702.0	690.3	707.8	739.3	743.4	813.1	799.0	694.5	664.6	877.9
57.5°	714.4	718.6	737.6	745.1	789.1	799.9	859.6	839.7	727.7	719.4	931.8
60°	747.6	741.8	767.5	797.4	839.7	845.5	917.7	874.5	760.0	755.1	949.2
62.5°	814.8	799.9	814.0	849.7	908.6	916.0	979.1	921.0	774.1	779.1	948.4
65°	912.7	901.9	881.2	909.4	992.4	1003.2	1051.3	960.8	770.0	770.8	881.2
67.5°	1028.0	1010.6	989.0	1006.5	1107.7	1132.6	1139.2	978.3	741.0	724.4	716.9
70°	1129.3	1117.7	1103.6	1133.4	1274.5	1283.6	1248.8	967.5	660.5	581.6	477.9
72.5°	1223.9	1218.1	1226.4	1338.4	1500.2	1506.0	1351.6	899.4	521.9	352.6	222.4
75°	1231.3	1225.5	1282.8	1507.6	1783.1	1793.9	1415.5	705.3	275.5	143.5	93.8
77.5°	833.9	851.3	958.3	1320.1	1637.9	1640.4	1157.5	327.7	113.7	84.6	65.5
80°	204.9	227.3	360.9	682.9	1104.4	1131.8	633.9	110.4	74.7	64.7	49.0
82.5°	74.7	81.3	146.9	308.7	620.6	631.4	221.5	59.7	53.9	49.8	35.7
85°	35.7	36.5	69.7	151.8	313.6	310.3	79.7	35.7	39.0	34.0	21.6
87.5°	14.9	14.9	30.7	70.5	138.6	134.4	25.7	16.6	22.4	19.9	10.8
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°	308.7	308.7	308.7	308.7	308.7	308.7	308.7	308.7	308.7	308.7	308.7
2.5°	309.5	311.2	317.8	322.8	327.7	331.9	338.5	338.5	342.7	342.7	342.7
5°	308.7	317.8	328.6	340.2	347.7	355.1	361.8	362.6	365.1	368.4	369.2
7.5°	312.0	321.1	338.5	355.1	364.3	367.6	375.9	373.4	373.4	373.4	375.9
10°	318.6	328.6	352.6	367.6	374.2	375.0	372.6	370.9	365.9	364.3	361.8
12.5°	323.6	341.0	365.1	376.7	374.2	371.7	365.9	357.6	351.8	350.2	350.2
15°	336.0	353.5	375.9	380.0	375.9	362.6	355.1	346.0	341.0	333.6	336.9
17.5°	346.8	366.7	386.7	381.7	373.4	352.6	341.9	328.6	321.9	313.6	313.6
20°	360.9	379.2	396.6	383.3	365.1	342.7	325.3	308.7	299.5	291.2	292.9
22.5°	376.7	393.3	402.4	376.7	352.6	326.9	302.9	287.1	275.5	270.5	272.2
25°	389.1	407.4	405.7	365.9	337.7	307.0	280.5	265.5	263.0	258.0	258.0
27.5°	404.9	424.0	403.3	352.6	312.8	275.5	258.9	253.1	253.1	250.6	252.2
30°	425.7	438.9	397.4	333.6	281.3	247.3	239.0	242.3	248.1	245.6	246.4
32.5°	459.7	458.0	392.5	312.0	248.1	219.9	225.7	232.3	237.3	239.8	241.5
35°	492.9	482.1	386.7	282.9	217.4	206.6	211.6	219.1	228.2	230.7	231.5
37.5°	526.1	507.0	376.7	247.3	198.3	195.0	200.0	204.1	211.6	213.2	214.9
40°	560.9	523.6	359.3	212.4	182.5	182.5	185.9	186.7	190.8	193.3	195.0
42.5°	591.6	539.3	327.7	180.1	165.9	171.8	172.6	170.9	167.6	169.3	170.1
45°	628.9	556.8	291.2	156.8	153.5	161.0	162.6	156.0	150.2	146.9	145.2
47.5°	665.5	575.0	259.7	137.7	141.9	153.5	153.5	146.0	136.1	127.8	124.5
50°	698.6	593.3	234.0	126.1	130.3	147.7	149.4	135.2	124.5	114.5	112.8
52.5°	754.2	624.0	207.4	117.0	123.6	143.5	142.7	130.3	116.2	105.4	104.5
55°	803.2	654.7	172.6	107.9	117.0	137.7	140.2	125.3	106.2	96.2	94.6
57.5°	838.9	662.1	137.7	98.7	110.4	131.1	134.4	115.3	99.6	91.3	90.4
60°	845.5	633.1	112.0	91.3	101.2	122.0	124.5	109.5	94.6	88.0	86.3
62.5°	814.8	577.5	95.4	84.6	93.8	112.8	117.8	102.9	89.6	83.8	83.0
65°	745.1	496.2	83.8	78.8	88.8	106.2	112.0	97.9	85.5	80.5	79.7
67.5°	589.9	380.9	74.7	74.7	82.1	99.6	107.9	94.6	81.3	78.0	77.2
70°	385.8	229.0	68.0	68.9	77.2	93.8	102.9	90.4	76.3	75.5	73.8
72.5°	165.9	105.4	60.6	63.1	69.7	83.8	95.4	84.6	70.5	68.0	65.5
75°	76.3	63.9	54.8	56.4	62.2	73.8	86.3	78.0	65.5	61.4	58.9
77.5°	53.9	46.5	45.6	49.0	53.1	63.9	76.3	73.0	60.6	57.3	55.6
80°	39.8	35.7	38.2	41.5	44.0	58.9	72.2	67.2	55.6	50.6	48.1
82.5°	28.2	26.6	29.9	33.2	35.7	51.4	66.4	58.9	46.5	42.3	38.2
85°	16.6	17.4	20.7	22.4	24.9	38.2	55.6	47.3	35.7	27.4	26.6
87.5°	7.5	7.5	10.0	10.8	12.4	22.4	37.3	29.9	22.4	17.4	16.6
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)