

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: P674880

Luminaire Tested: **CCW-SA-1C-830-U-T2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674880
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-830-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T2 distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

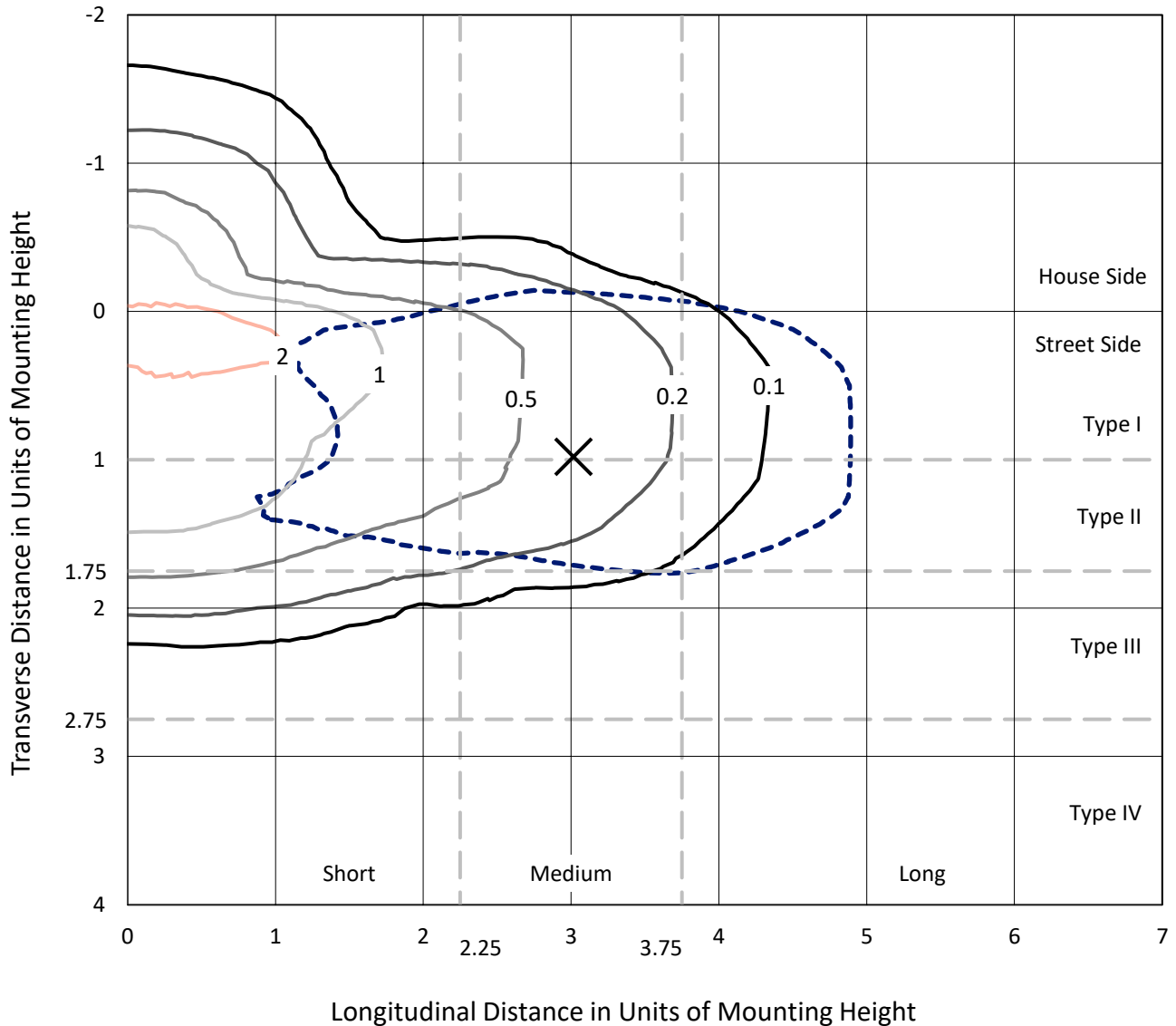
Lumens per Lamp: N/A
Luminaire Lumens: 3583.6 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 32
Input Voltage (V): 120
Input Current (A_{in}): 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

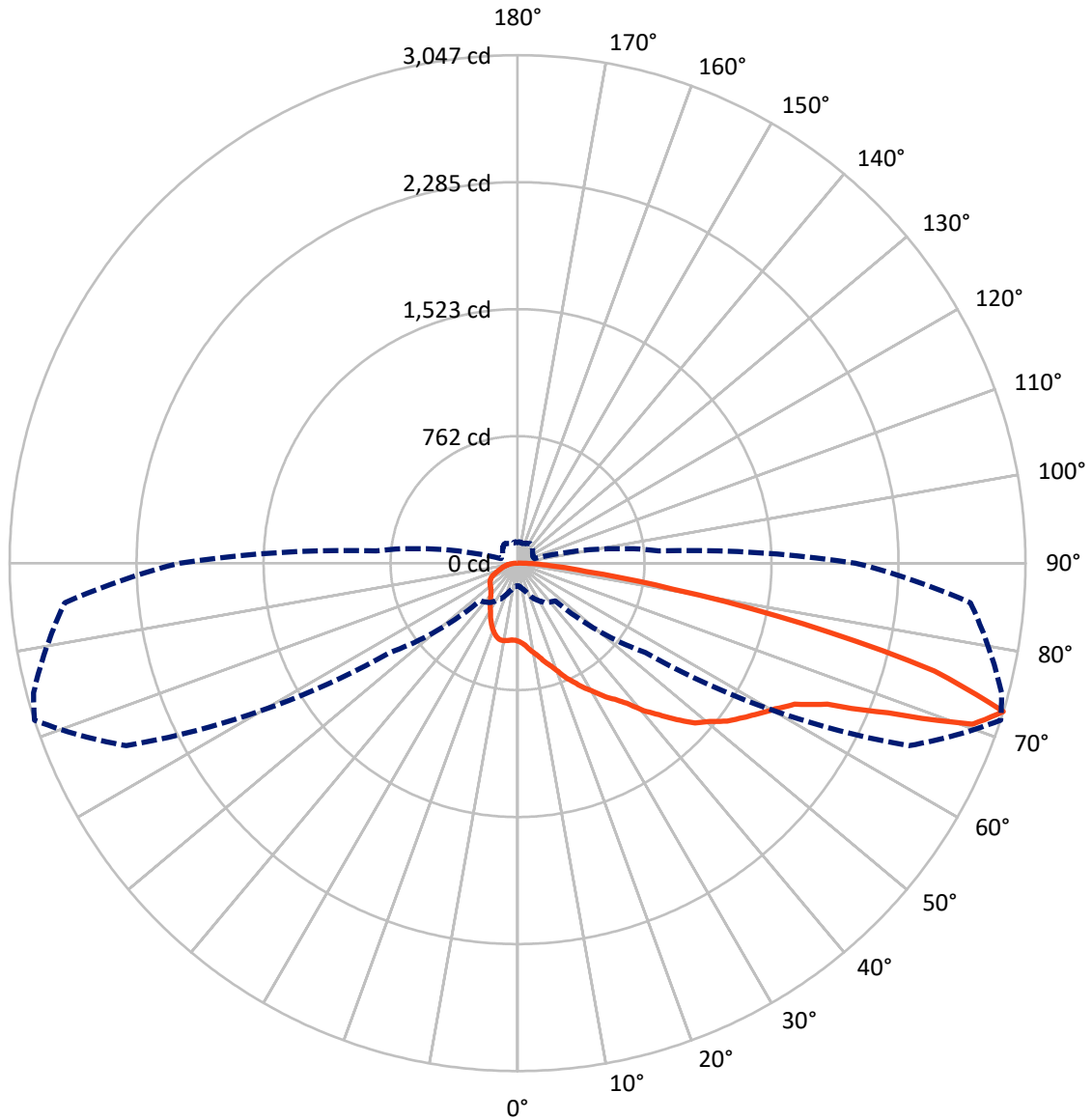
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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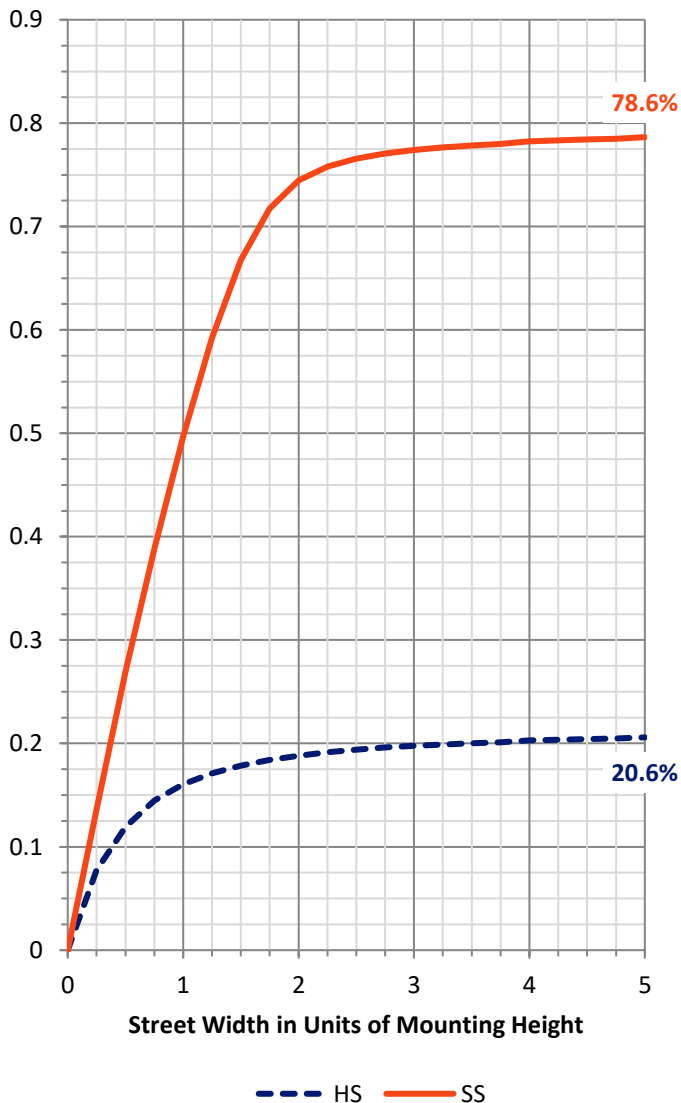
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	754.2	0.0	754.2
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	2829.4	0.0	2829.4
	% Fixture	79.0	0.0	79.0
Total	Lumens	3583.6	0.0	3583.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.3	1.3
10°-20°	143.8	4.0
20°-30°	248.8	6.9
30°-40°	367.6	10.3
40°-50°	546.6	15.3
50°-60°	749.4	20.9
60°-70°	812.8	22.7
70°-80°	573.1	16.0
80°-90°	95.2	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°	3583.6	100.0
0°-180°	3583.6	100.0



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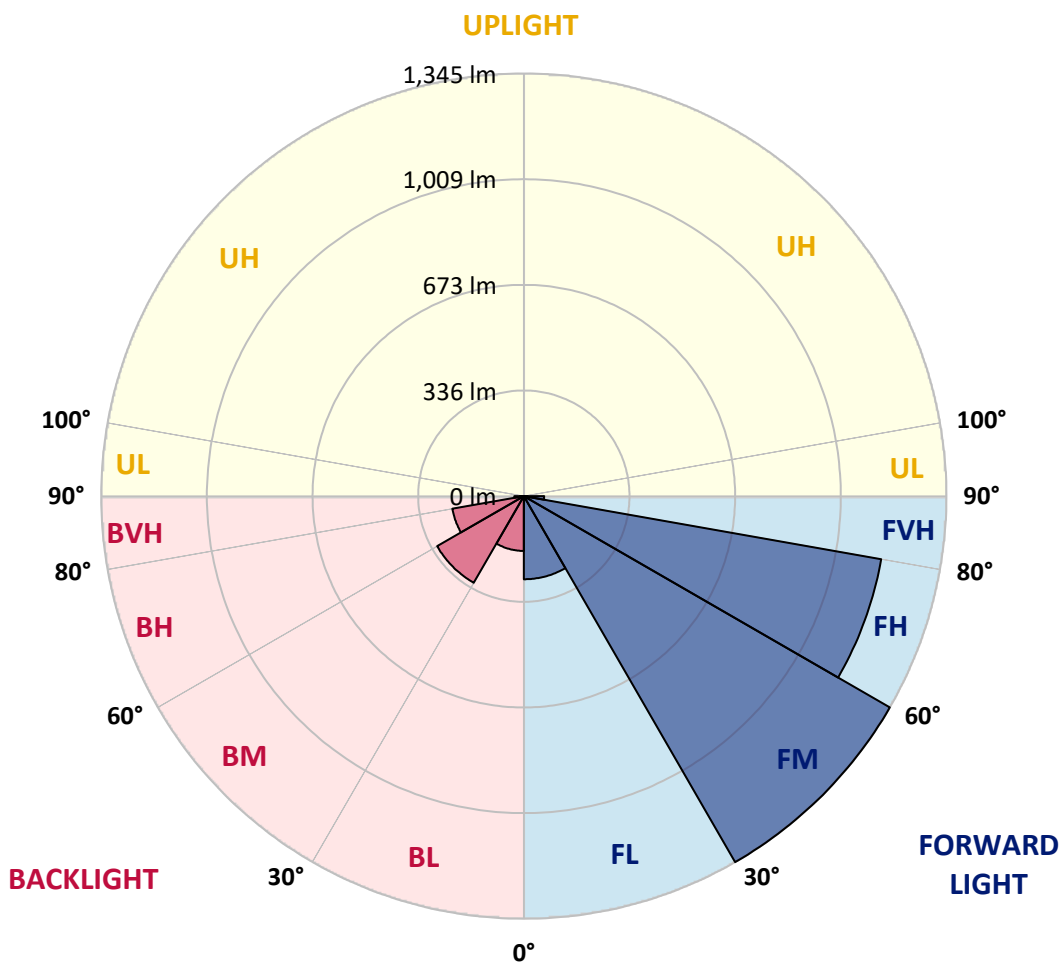
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	264.6	7.4			
FM (30°-60°)	1345.0	37.5			
FH (60°-80°)	1154.9	32.2			G1/1800
FVH (80°-90°)	64.9	1.8			G1/100
BL (0°-30°)	174.3	4.9	B1/500		
BM (30°-60°)	318.6	8.9	B1/1000		
BH (60°-80°)	231.0	6.4	B1/500		G1/500
BVH (80°-90°)	30.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	468.1	468.1	468.1	468.1	468.1	468.1	468.1	468.1	468.1	468.1	468.1
2.5°	505.1	505.1	501.2	499.9	499.9	489.3	490.6	484.0	478.7	478.7	473.4
5°	531.6	529.0	529.0	529.0	522.3	518.4	517.1	505.1	495.9	497.2	481.3
7.5°	538.2	539.5	540.9	547.5	543.5	546.1	543.5	530.3	523.7	517.1	502.5
10°	542.2	544.8	544.8	554.1	554.1	560.7	564.7	559.4	547.5	540.9	517.1
12.5°	551.4	547.5	552.8	559.4	566.0	577.9	589.8	584.5	576.6	568.6	542.2
15°	551.4	552.8	556.7	567.3	577.9	589.8	610.9	618.9	614.9	600.4	572.6
17.5°	535.6	531.6	550.1	569.9	589.8	604.3	632.1	650.6	648.0	642.7	600.4
20°	536.9	540.9	547.5	564.7	596.4	622.8	657.2	687.6	694.2	691.6	637.4
22.5°	560.7	562.0	568.6	576.6	601.7	636.1	687.6	736.6	748.5	741.9	678.4
25°	584.5	595.1	595.1	600.4	609.6	645.3	707.5	776.2	793.4	794.7	720.7
27.5°	622.8	625.5	633.4	636.1	644.0	665.2	730.0	805.3	845.0	839.7	759.0
30°	667.8	669.1	674.4	671.8	673.1	699.5	751.1	838.4	892.6	893.9	800.0
32.5°	720.7	731.3	733.9	716.7	719.4	726.0	784.2	878.1	952.1	942.9	835.7
35°	798.7	802.7	794.7	786.8	767.0	763.0	818.6	917.7	1003.7	1014.3	888.6
37.5°	895.3	905.8	895.3	852.9	831.8	815.9	860.9	961.4	1065.8	1101.5	941.5
40°	985.2	983.8	973.3	934.9	897.9	886.0	921.7	1022.2	1162.4	1196.8	1018.2
42.5°	1057.9	1053.9	1047.3	1018.2	983.8	964.0	991.8	1085.7	1243.0	1309.2	1106.8
45°	1121.4	1116.1	1117.4	1084.4	1051.3	1061.9	1061.9	1158.4	1338.2	1420.2	1208.7
47.5°	1180.9	1183.5	1179.6	1154.4	1129.3	1157.1	1142.5	1241.7	1432.1	1523.4	1294.6
50°	1249.6	1254.9	1241.7	1225.8	1203.4	1231.1	1212.6	1319.7	1493.0	1617.3	1397.8
52.5°	1314.4	1319.7	1331.6	1311.8	1289.3	1311.8	1269.5	1392.5	1573.6	1708.5	1477.1
55°	1330.3	1327.7	1393.8	1414.9	1426.8	1359.4	1319.7	1454.6	1637.1	1766.7	1567.0
57.5°	1257.6	1264.2	1354.1	1414.9	1541.9	1483.7	1376.6	1527.3	1703.2	1843.4	1650.3
60°	1076.4	1080.4	1192.8	1336.9	1522.1	1600.1	1530.0	1621.2	1776.0	1908.2	1744.2
62.5°	719.4	749.8	890.0	1116.1	1381.9	1631.8	1774.6	1779.9	1864.6	1990.2	1872.5
65°	379.5	394.1	503.8	686.3	1047.3	1522.1	2004.7	2094.6	2041.8	2140.9	2057.6
67.5°	248.6	253.9	313.4	416.5	604.3	1110.8	2031.2	2640.8	2397.5	2427.9	2353.8
70°	185.1	187.8	231.4	308.1	374.2	593.7	1664.9	2896.0	2894.7	2814.0	2705.6
72.5°	136.2	140.2	170.6	235.4	288.3	320.0	936.2	2590.5	3046.8	3005.8	2726.7
75°	107.1	109.8	125.6	182.5	232.7	210.3	474.7	1918.8	2583.9	2781.0	2495.3
77.5°	87.3	89.9	99.2	132.2	186.5	162.7	227.4	1237.7	1752.2	2002.1	1909.5
80°	72.7	72.7	79.3	93.9	144.1	123.0	134.9	695.6	944.2	1042.0	866.2
82.5°	62.2	60.8	66.1	68.8	107.1	88.6	87.3	314.7	415.2	440.4	325.3
85°	39.7	41.0	62.2	59.5	70.1	60.8	48.9	149.4	195.7	199.7	121.7
87.5°	15.9	15.9	26.4	33.1	39.7	37.0	23.8	67.4	86.0	86.0	34.4
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°	468.1	468.1	468.1	468.1	468.1	468.1	468.1	468.1	468.1	468.1	468.1
2.5°	472.1	466.8	462.8	460.2	453.6	447.0	448.3	447.0	441.7	439.0	439.0
5°	477.4	472.1	465.5	454.9	448.3	440.4	443.0	437.7	432.4	436.4	429.8
7.5°	490.6	481.3	472.1	456.2	445.6	433.7	428.5	425.8	421.8	419.2	419.2
10°	509.1	495.9	478.7	454.9	437.7	419.2	416.5	411.3	407.3	407.3	406.0
12.5°	527.6	513.1	484.0	445.6	416.5	403.3	402.0	403.3	406.0	407.3	408.6
15°	551.4	527.6	482.7	428.5	399.4	394.1	400.7	406.0	411.3	416.5	415.2
17.5°	573.9	546.1	470.8	407.3	384.8	386.1	398.0	408.6	419.2	424.5	425.8
20°	604.3	563.3	453.6	382.2	370.3	382.2	398.0	411.3	423.2	429.8	431.1
22.5°	638.7	583.2	431.1	359.7	358.4	370.3	386.1	406.0	419.2	431.1	429.8
25°	669.1	596.4	402.0	341.2	343.8	351.8	370.3	391.4	404.6	417.9	413.9
27.5°	689.0	599.0	371.6	327.9	327.9	335.9	353.1	366.3	378.2	388.8	390.1
30°	711.4	593.7	337.2	310.8	310.8	321.3	327.9	335.9	342.5	345.1	347.8
32.5°	737.9	581.8	316.0	297.5	297.5	305.5	309.4	306.8	305.5	298.9	302.8
35°	763.0	564.7	292.2	280.3	285.6	289.6	288.3	280.3	272.4	260.5	256.5
37.5°	793.4	547.5	271.1	261.8	271.1	272.4	272.4	263.2	252.6	238.0	238.0
40°	839.7	534.2	253.9	249.9	259.2	257.9	251.3	244.6	248.6	240.7	240.7
42.5°	888.6	529.0	238.0	239.4	243.3	244.6	238.0	230.1	246.0	236.7	238.0
45°	949.5	532.9	227.4	226.1	235.4	234.1	230.1	223.5	228.8	205.0	198.4
47.5°	1006.3	540.9	222.2	216.9	227.4	230.1	224.8	210.3	202.3	187.8	185.1
50°	1057.9	558.0	216.9	206.3	216.9	222.2	212.9	197.0	187.8	178.5	178.5
52.5°	1106.8	583.2	214.2	194.4	203.6	210.3	205.0	189.1	178.5	174.6	170.6
55°	1157.1	605.6	210.3	186.5	189.1	202.3	201.0	179.8	169.3	169.3	167.9
57.5°	1228.5	636.1	205.0	173.2	178.5	193.1	193.1	175.9	164.0	165.3	166.6
60°	1301.2	671.8	199.7	160.0	164.0	183.8	186.5	170.6	160.0	161.3	160.0
62.5°	1417.6	737.9	189.1	144.1	152.1	171.9	178.5	164.0	154.7	157.4	157.4
65°	1593.5	851.6	166.6	130.9	140.2	161.3	170.6	157.4	146.8	154.7	152.1
67.5°	1876.5	1007.7	140.2	120.3	132.2	150.8	161.3	149.4	140.2	152.1	148.1
70°	2130.4	1084.4	120.3	111.1	120.3	138.8	150.8	141.5	132.2	144.1	138.8
72.5°	2027.2	850.3	104.5	100.5	109.8	125.6	140.2	130.9	121.7	128.3	123.0
75°	1749.5	677.1	91.2	89.9	97.9	113.7	128.3	121.7	112.4	115.0	112.4
77.5°	1326.3	559.4	78.0	76.7	83.3	101.8	115.0	109.8	100.5	99.2	99.2
80°	592.4	275.1	64.8	64.8	68.8	87.3	97.9	95.2	86.0	84.6	83.3
82.5°	194.4	104.5	52.9	50.3	55.5	72.7	87.3	84.6	75.4	72.7	70.1
85°	78.0	50.3	38.3	38.3	43.6	60.8	78.0	72.7	60.8	54.2	54.2
87.5°	26.4	21.2	19.8	19.8	27.8	41.0	58.2	48.9	43.6	38.3	39.7
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)