

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: P675024

Luminaire Tested: **CCW-SA-1C-830-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675024
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-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T3 distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

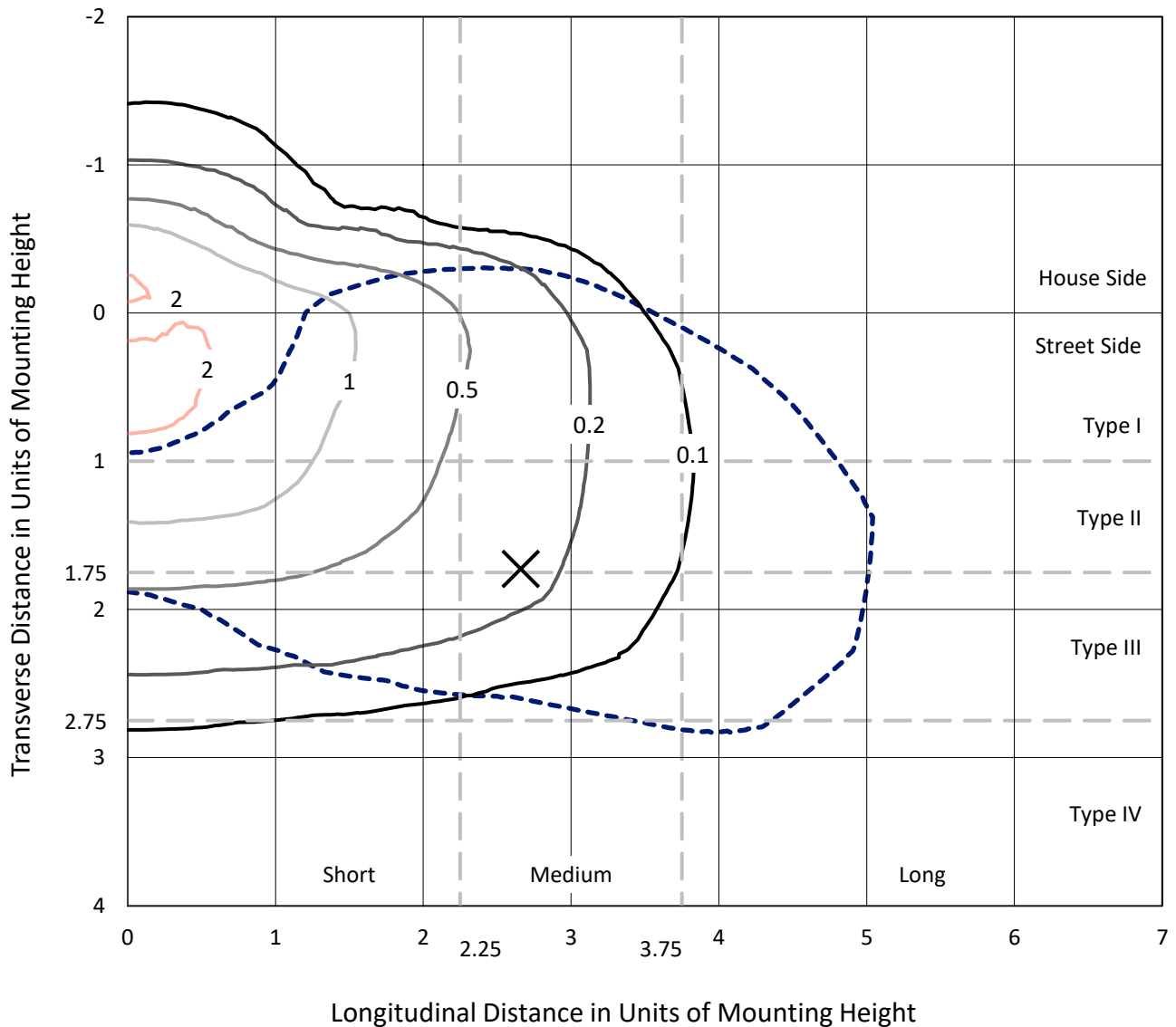
Lumens per Lamp: N/A
Luminaire Lumens: 3629.9 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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: P675024
 CATALOG NUMBER: CCW-SA-1C-830-U-T3

Iso-Footcandle Lines of Horizontal Illumination

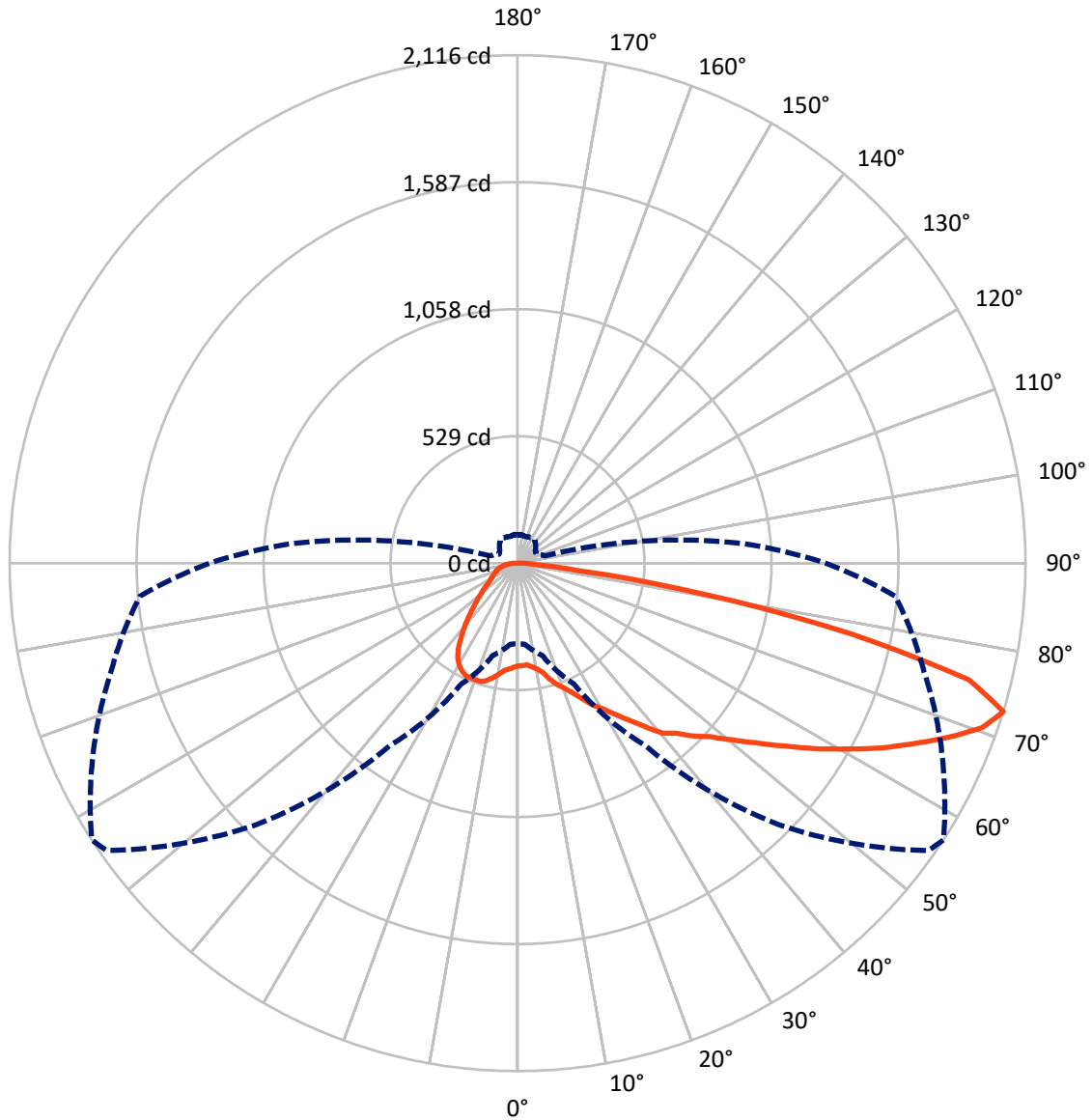
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P675024
CATALOG NUMBER: CCW-SA-1C-830-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P675024
 CATALOG NUMBER: CCW-SA-1C-830-U-T3

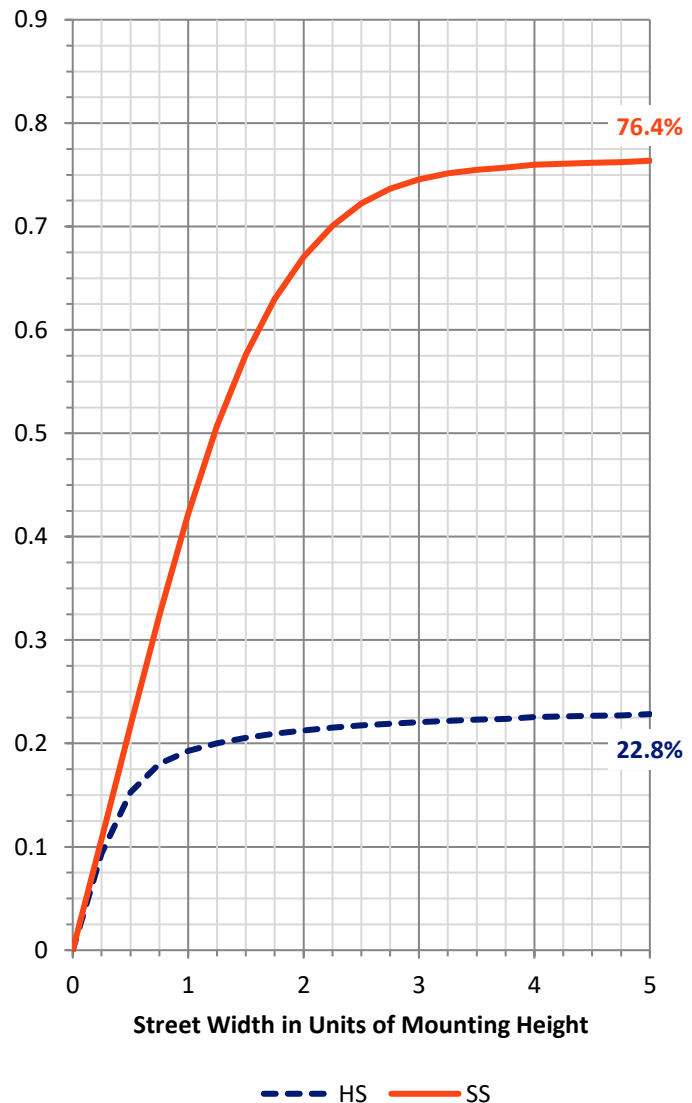
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	847.7	0.0	847.7
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	2782.2	0.0	2782.2
	% Fixture	76.6	0.0	76.6
Total	Lumens	3629.9	0.0	3629.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.5	1.2
10°-20°	143.3	3.9
20°-30°	262.0	7.2
30°-40°	384.4	10.6
40°-50°	529.3	14.6
50°-60°	725.8	20.0
60°-70°	874.9	24.1
70°-80°	582.8	16.1
80°-90°	84.9	2.3
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°	3629.9	100.0
0°-180°	3629.9	100.0



REPORT NUMBER: P675024

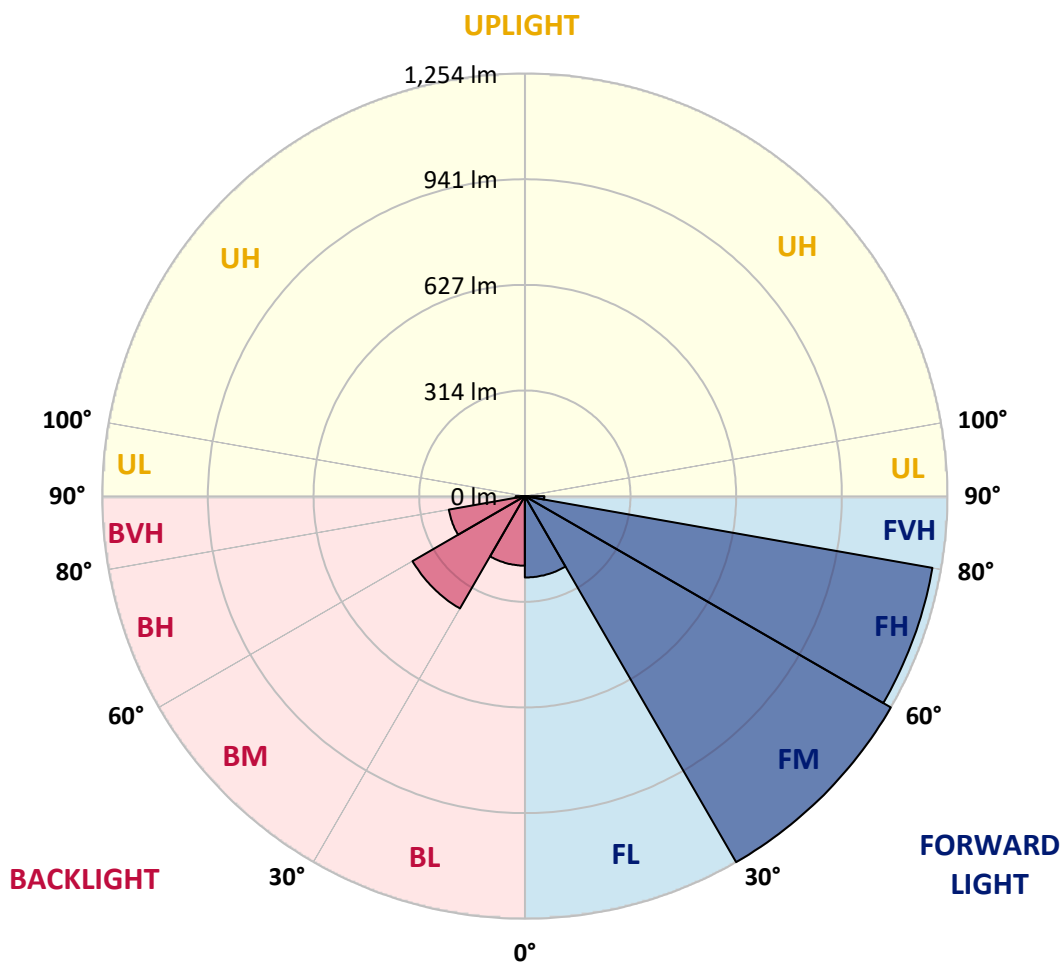
CATALOG NUMBER: CCW-SA-1C-830-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	241.5	6.7			
FM (30°-60°)	1254.4	34.6			
FH (60°-80°)	1228.5	33.8			G1/1800
FVH (80°-90°)	57.8	1.6			G1/100
BL (0°-30°)	206.4	5.7	B1/500		
BM (30°-60°)	385.0	10.6	B1/1000		
BH (60°-80°)	229.2	6.3	B1/500		G1/500
BVH (80°-90°)	27.1	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 III Medium





REPORT NUMBER: P675024

CATALOG NUMBER: CCW-SA-1C-830-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	428.4	428.4	428.4	428.4	428.4	428.4	428.4	428.4	428.4	428.4	428.4
2.5°	420.5	421.8	424.5	423.2	423.2	419.2	425.8	427.1	424.5	425.8	428.4
5°	420.5	423.2	427.1	424.5	425.8	424.5	421.8	425.8	425.8	427.1	431.1
7.5°	443.0	441.7	441.7	437.7	436.4	435.1	436.4	436.4	433.7	435.1	435.1
10°	468.1	468.1	465.5	465.5	462.8	456.2	449.6	448.3	444.3	445.6	445.6
12.5°	494.6	497.2	499.9	491.9	489.3	478.7	474.7	466.8	466.8	464.1	462.8
15°	527.6	523.7	526.3	523.7	517.0	506.5	499.9	501.2	491.9	489.3	485.3
17.5°	556.7	558.0	554.1	551.4	539.5	531.6	532.9	531.6	519.7	515.7	509.1
20°	591.1	589.8	589.8	581.8	571.3	560.7	556.7	555.4	558.0	550.1	534.2
22.5°	626.8	621.5	621.5	614.9	600.4	593.7	591.1	585.8	588.4	581.8	558.0
25°	655.9	655.9	665.1	651.9	644.0	630.8	625.5	626.8	628.1	614.9	587.1
27.5°	694.2	687.6	696.9	690.3	686.3	671.8	665.1	669.1	666.5	651.9	613.6
30°	743.2	744.5	739.2	729.9	724.7	714.1	710.1	706.1	710.1	691.6	642.7
32.5°	804.0	808.0	794.7	784.2	774.9	764.3	756.4	752.4	756.4	728.6	665.1
35°	874.1	878.0	867.5	855.6	845.0	818.5	811.9	805.3	790.8	745.8	686.3
37.5°	938.9	933.6	930.9	930.9	911.1	872.8	868.8	864.8	837.1	780.2	715.4
40°	982.5	989.1	986.5	983.8	981.2	945.5	937.6	930.9	884.7	831.8	756.4
42.5°	1031.4	1027.5	1038.1	1042.0	1032.8	1022.2	990.4	968.0	927.0	884.7	817.2
45°	1089.6	1087.0	1090.9	1105.5	1092.3	1096.2	1043.3	1027.5	975.9	950.8	893.9
47.5°	1141.2	1147.8	1167.6	1171.6	1161.0	1179.5	1105.5	1080.4	1047.3	1027.5	973.3
50°	1163.7	1171.6	1216.6	1244.3	1245.7	1274.8	1167.6	1157.1	1112.1	1120.0	1072.4
52.5°	1145.2	1170.3	1224.5	1297.2	1342.2	1371.3	1249.6	1244.3	1203.3	1228.5	1180.9
55°	1162.4	1186.2	1221.9	1323.7	1437.4	1444.0	1363.4	1343.5	1302.5	1336.9	1293.3
57.5°	1170.3	1157.1	1224.5	1352.8	1507.5	1524.7	1471.8	1457.2	1425.5	1458.6	1433.4
60°	1108.1	1124.0	1187.5	1344.8	1511.5	1610.6	1593.4	1572.3	1543.2	1573.6	1559.1
62.5°	1038.1	1048.6	1117.4	1297.2	1533.9	1672.8	1711.1	1695.3	1654.3	1680.7	1705.8
65°	949.5	950.8	1027.5	1212.6	1490.3	1708.5	1814.3	1813.0	1783.9	1777.3	1816.9
67.5°	841.0	851.6	912.4	1122.7	1430.8	1748.2	1916.1	1935.9	1877.7	1826.2	1840.7
70°	645.3	655.9	714.1	920.4	1309.1	1736.3	2041.7	2052.3	1938.6	1807.7	1770.6
72.5°	335.9	338.5	398.0	555.4	928.3	1541.9	2088.0	2115.8	1954.4	1753.4	1578.9
75°	111.1	111.1	136.2	211.6	437.7	986.5	1891.0	1941.2	1876.4	1618.6	1291.9
77.5°	66.1	67.4	80.7	105.8	174.6	394.1	1332.9	1421.5	1535.3	1376.6	944.2
80°	47.6	48.9	60.8	72.7	104.5	126.9	669.1	792.1	942.8	886.0	503.8
82.5°	35.7	35.7	47.6	54.2	71.4	75.4	186.5	255.2	407.3	317.4	138.8
85°	37.0	37.0	37.0	38.3	48.9	43.6	78.0	83.3	119.0	104.5	38.3
87.5°	13.2	14.5	37.0	25.1	25.1	18.5	30.4	33.1	42.3	43.6	14.5
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: P675024
 CATALOG NUMBER: CCW-SA-1C-830-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	428.4	428.4	428.4	428.4	428.4	428.4	428.4	428.4	428.4	428.4	428.4
2.5°	429.8	429.8	431.1	431.1	433.7	436.4	440.3	437.7	437.7	439.0	437.7
5°	428.4	429.8	433.7	440.3	443.0	444.3	452.2	452.2	452.2	454.9	454.9
7.5°	433.7	436.4	443.0	449.6	450.9	454.9	465.5	468.1	474.7	477.4	478.7
10°	447.0	450.9	456.2	464.1	469.4	474.7	482.7	491.9	490.6	498.5	499.9
12.5°	466.8	465.5	474.7	482.7	488.0	495.9	498.5	498.5	498.5	498.5	501.2
15°	482.7	485.3	493.2	498.5	505.1	503.8	498.5	493.2	494.6	493.2	493.2
17.5°	506.5	506.5	513.1	514.4	517.0	503.8	495.9	495.9	499.9	499.9	497.2
20°	530.3	528.9	531.6	530.3	513.1	497.2	495.9	497.2	498.5	497.2	495.9
22.5°	552.7	550.1	546.1	540.8	510.4	495.9	493.2	486.6	480.0	480.0	476.0
25°	572.6	569.9	559.4	543.5	509.1	488.0	474.7	458.9	450.9	447.0	452.2
27.5°	591.1	585.8	571.3	543.5	497.2	466.8	441.7	421.8	415.2	409.9	415.2
30°	616.2	607.0	587.1	539.5	478.7	433.7	399.4	375.5	368.9	361.0	363.6
32.5°	638.7	617.5	600.4	527.6	454.9	396.7	357.0	333.2	321.3	314.7	320.0
35°	662.5	641.3	605.6	509.1	417.9	351.7	312.1	289.6	280.3	271.1	271.1
37.5°	686.3	674.4	613.6	474.7	372.9	309.4	273.7	256.5	240.7	223.5	223.5
40°	736.6	720.7	622.8	435.1	327.9	268.4	243.3	220.8	205.0	181.2	179.8
42.5°	789.4	755.1	622.8	387.5	288.3	239.3	215.5	191.7	162.7	148.1	149.4
45°	856.9	817.2	605.6	345.1	248.6	215.5	189.1	158.7	145.5	136.2	136.2
47.5°	941.5	879.4	584.5	298.9	216.9	194.4	161.3	142.8	133.6	125.6	124.3
50°	1042.0	936.2	558.0	259.2	190.4	174.6	146.8	132.2	124.3	119.0	119.0
52.5°	1147.8	1019.5	539.5	223.5	169.3	148.1	136.2	126.9	120.3	116.4	115.0
55°	1254.9	1102.8	526.3	185.1	149.4	136.2	133.6	125.6	123.0	119.0	116.4
57.5°	1375.3	1171.6	523.7	158.7	133.6	130.9	136.2	129.6	125.6	121.7	117.7
60°	1504.8	1264.2	499.9	137.5	125.6	128.3	132.2	125.6	123.0	119.0	116.4
62.5°	1633.1	1332.9	435.1	121.7	117.7	120.3	125.6	120.3	116.4	117.7	119.0
65°	1686.0	1338.2	337.2	109.8	108.4	109.8	117.7	116.4	112.4	120.3	120.3
67.5°	1633.1	1290.6	238.0	99.2	99.2	105.8	119.0	121.7	117.7	128.3	126.9
70°	1512.8	1172.9	161.3	92.6	95.2	112.4	123.0	120.3	115.0	128.3	125.6
72.5°	1284.0	938.9	117.7	86.0	89.9	107.1	121.7	119.0	115.0	120.3	115.0
75°	964.0	667.8	92.6	78.0	79.3	96.5	125.6	119.0	108.4	105.8	101.8
77.5°	644.0	412.6	71.4	68.8	68.8	84.6	120.3	111.1	97.9	93.9	92.6
80°	306.8	165.3	56.9	58.2	59.5	72.7	109.8	99.2	88.6	83.3	83.3
82.5°	97.9	62.2	47.6	47.6	47.6	59.5	91.2	83.3	76.7	72.7	66.1
85°	34.4	34.4	41.0	42.3	38.3	43.6	75.4	71.4	63.5	52.9	51.6
87.5°	13.2	19.8	27.8	33.1	23.8	30.4	54.2	50.2	46.3	34.4	33.1
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)