

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: P675246

Luminaire Tested: **CCW-SA-1C-730-U-T4W**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675246
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-730-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T4W distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4153.4 lumens
Efficiency: N/A
Efficacy: 129.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

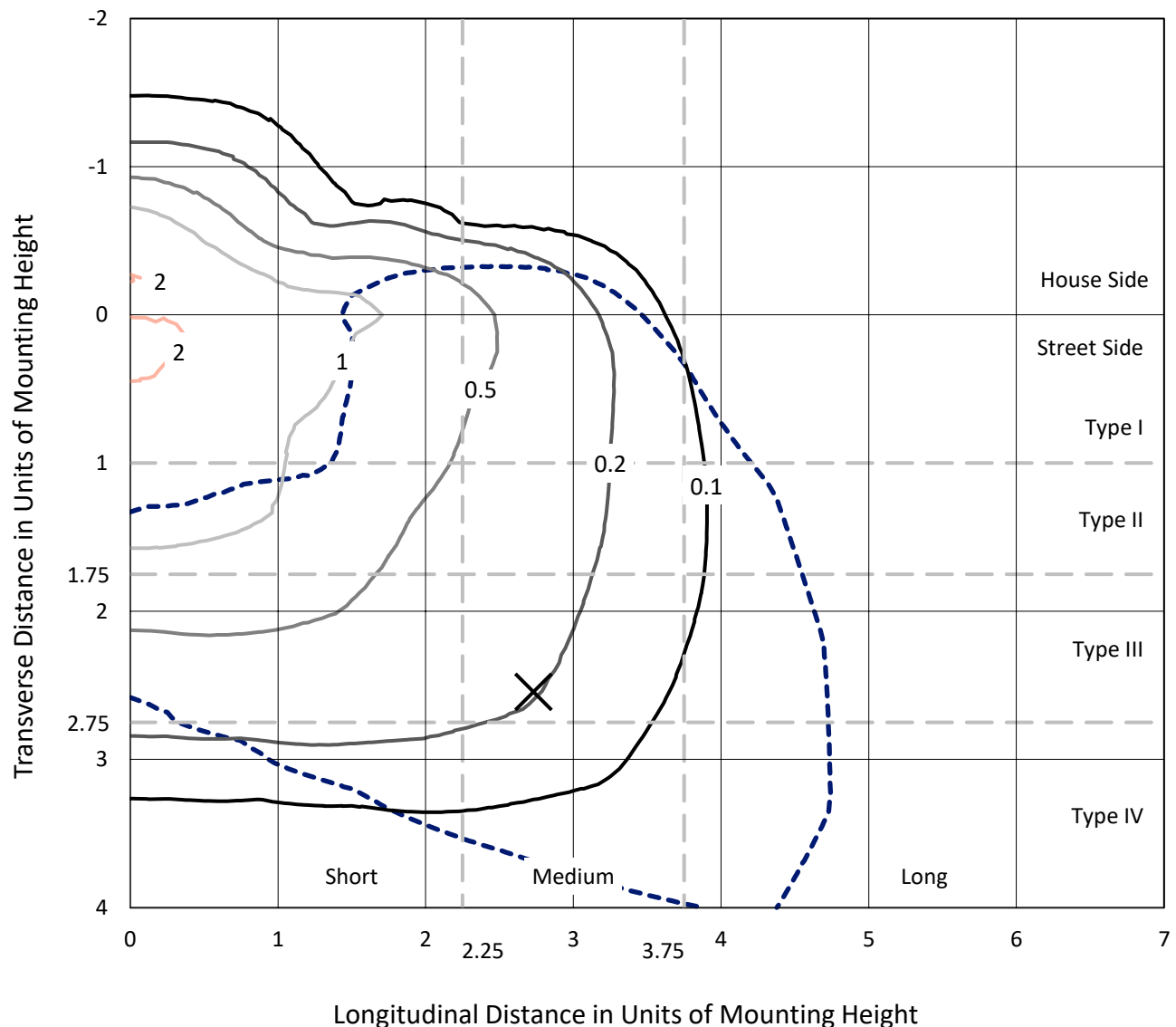
Input Watts (W): 32
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

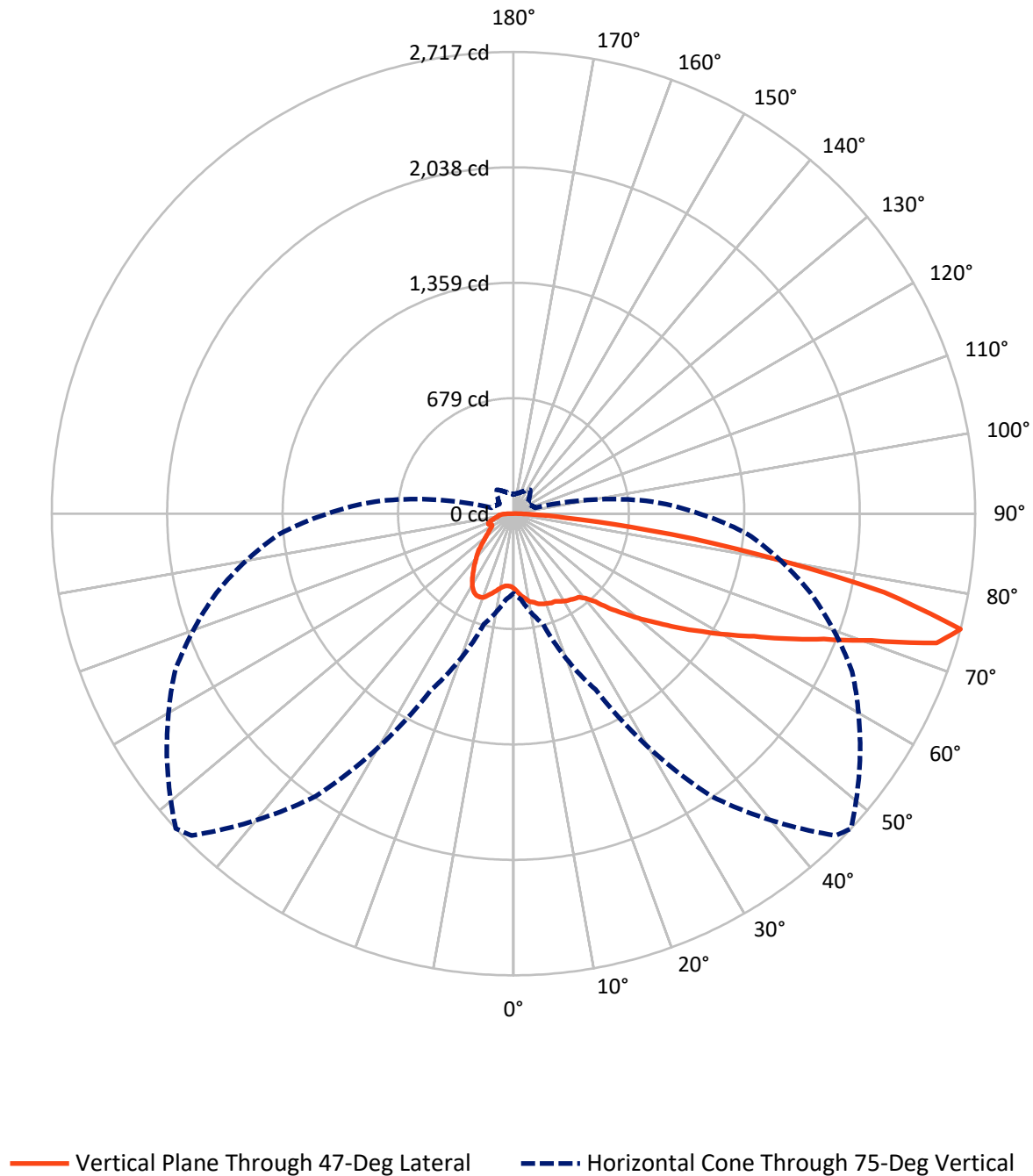
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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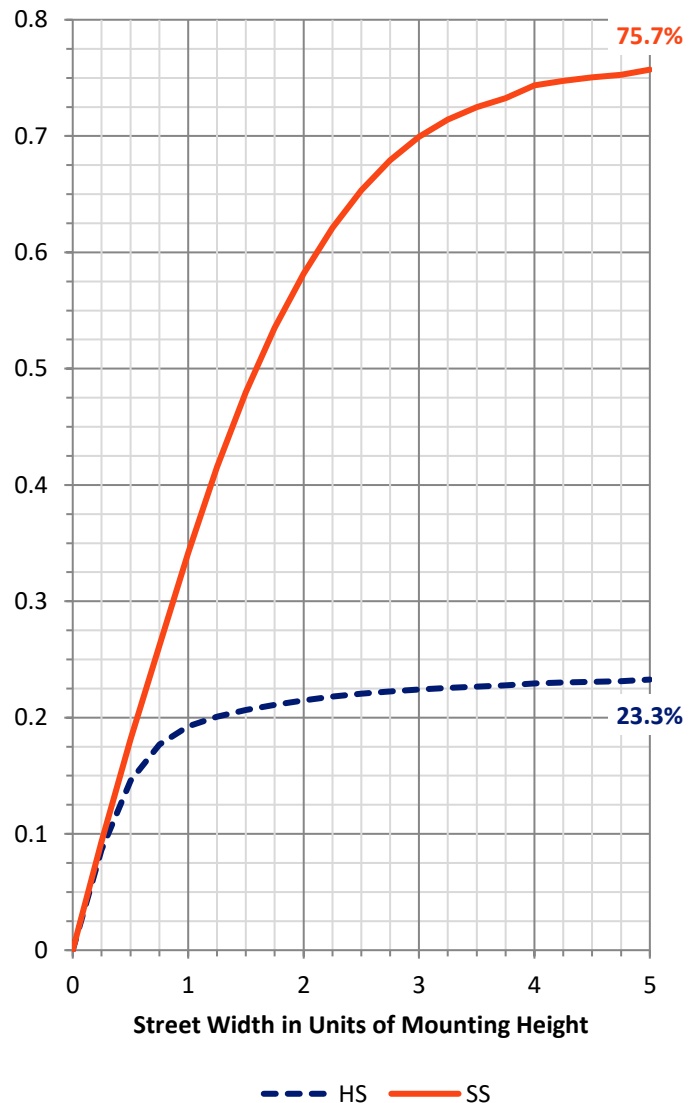
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	993.3	0.0	993.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	3160.1	0.0	3160.1
	% Fixture	76.1	0.0	76.1
Total	Lumens	4153.4	0.0	4153.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	1.1
10°-20°	148.1	3.6
20°-30°	253.6	6.1
30°-40°	354.8	8.5
40°-50°	494.7	11.9
50°-60°	739.5	17.8
60°-70°	1066.1	25.7
70°-80°	907.5	21.8
80°-90°	144.6	3.5
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°	4153.4	100.0
0°-180°	4153.4	100.0

Coefficient of Utilization



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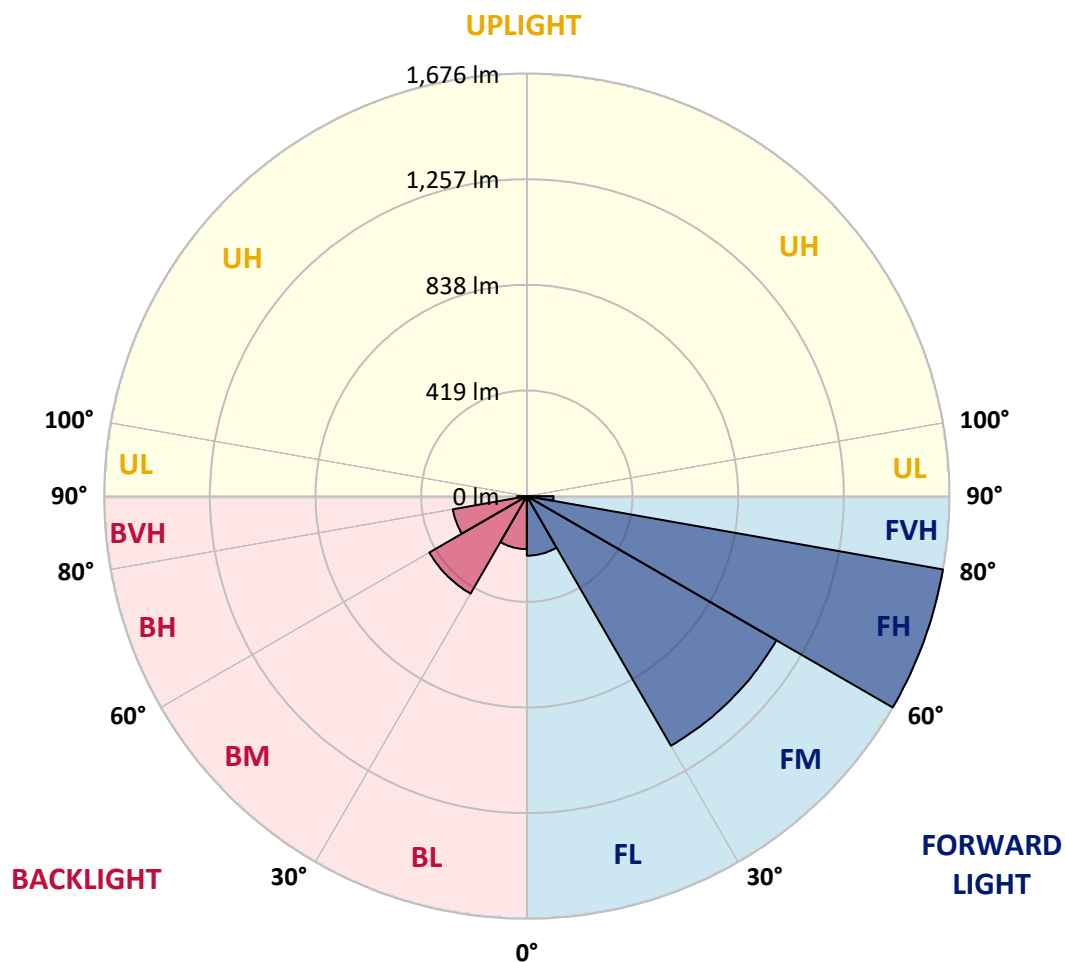
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	236.0	5.7			
FM	(30°-60°)	1142.6	27.5			
FH	(60°-80°)	1675.6	40.3			G1/1800
FVH	(80°-90°)	105.9	2.6			G2/225
BL	(0°-30°)	210.2	5.1	B1/500		
BM	(30°-60°)	446.4	10.7	B1/1000		
BH	(60°-80°)	298.0	7.2	B1/500		G1/500
BVH	(80°-90°)	38.6	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	441.0	441.0	441.0	441.0	441.0	441.0	441.0	441.0	441.0	441.0	441.0
2.5°	472.8	474.3	474.3	471.3	468.3	462.2	462.2	456.2	453.1	445.5	442.5
5°	516.8	512.2	507.7	506.2	498.6	488.0	486.5	480.4	463.7	456.2	445.5
7.5°	548.6	547.1	545.6	539.5	525.9	509.2	504.7	495.6	478.9	463.7	451.6
10°	574.4	580.4	574.4	560.7	547.1	528.9	527.4	510.7	495.6	477.4	462.2
12.5°	603.2	604.7	594.1	577.4	556.2	541.0	535.0	528.9	512.2	497.1	474.3
15°	622.9	619.8	612.3	589.5	565.3	550.1	551.6	544.1	525.9	515.3	491.0
17.5°	622.9	622.9	610.7	594.1	572.8	559.2	559.2	554.7	542.5	527.4	510.7
20°	610.7	610.7	603.2	594.1	569.8	566.8	563.8	560.7	560.7	547.1	522.8
22.5°	595.6	592.5	595.6	580.4	563.8	566.8	571.3	569.8	565.3	553.1	536.5
25°	580.4	581.9	585.0	574.4	559.2	572.8	571.3	578.9	575.9	566.8	553.1
27.5°	578.9	581.9	583.5	572.8	566.8	578.9	585.0	592.5	594.1	585.0	568.3
30°	601.6	600.1	598.6	585.0	580.4	591.0	597.1	607.7	616.8	597.1	583.5
32.5°	660.7	651.7	642.6	606.2	592.5	600.1	606.2	621.3	622.9	612.3	592.5
35°	754.7	748.6	718.3	654.7	616.8	609.2	615.3	625.9	628.9	621.3	606.2
37.5°	862.3	859.3	816.8	739.6	666.8	630.4	624.4	639.5	651.7	635.0	613.8
40°	968.4	956.3	926.0	850.2	730.5	662.3	654.7	662.3	666.8	654.7	641.0
42.5°	1063.9	1050.2	1042.6	966.9	813.8	715.3	709.2	691.1	704.7	689.5	671.4
45°	1144.2	1141.1	1138.1	1073.0	909.3	801.7	797.1	750.2	765.3	753.2	727.4
47.5°	1201.8	1215.4	1210.9	1174.5	1018.4	894.1	880.5	819.9	842.6	830.5	804.7
50°	1270.0	1277.5	1273.0	1248.7	1119.9	1000.2	974.4	912.3	938.1	936.6	922.9
52.5°	1330.6	1353.3	1327.6	1326.0	1265.4	1115.4	1071.4	1012.3	1054.8	1071.4	1069.9
55°	1401.8	1420.0	1412.4	1409.4	1395.7	1227.5	1188.1	1116.9	1188.1	1212.4	1233.6
57.5°	1462.4	1460.9	1489.7	1524.6	1541.2	1356.3	1309.4	1226.0	1333.6	1360.9	1420.0
60°	1489.7	1515.5	1564.0	1651.9	1698.8	1494.3	1445.8	1379.1	1480.6	1501.8	1610.9
62.5°	1507.9	1530.6	1624.6	1773.1	1800.4	1635.2	1589.7	1523.0	1641.3	1656.4	1818.6
65°	1457.9	1479.1	1665.5	1818.6	1915.6	1786.7	1776.1	1706.4	1801.9	1811.0	2036.8
67.5°	1400.3	1423.0	1630.6	1876.2	2068.6	1988.3	1971.6	1888.3	1961.0	1950.4	2203.5
70°	1298.8	1329.1	1541.2	1926.2	2238.4	2270.2	2236.8	2118.6	2126.2	2026.2	2211.1
72.5°	989.6	1009.3	1206.3	1727.6	2317.2	2661.2	2603.6	2367.2	2280.8	2041.3	1951.9
75°	469.8	506.2	672.9	1142.7	2030.7	2679.4	2717.2	2489.9	2198.9	1811.0	1383.6
77.5°	136.4	136.4	204.6	485.0	1273.0	2159.5	2230.8	2114.1	1814.0	1341.2	727.4
80°	74.3	78.8	107.6	171.2	559.2	1362.4	1465.5	1401.8	1068.4	530.4	187.9
82.5°	42.4	43.9	71.2	103.1	254.6	741.1	801.7	727.4	406.1	160.6	87.9
85°	24.2	25.8	40.9	68.2	151.5	272.8	297.0	257.6	163.7	107.6	43.9
87.5°	12.1	12.1	19.7	31.8	77.3	77.3	75.8	92.4	98.5	65.2	19.7
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°	441.0	441.0	441.0	441.0	441.0	441.0	441.0	441.0	441.0	441.0	441.0
2.5°	441.0	439.5	439.5	433.4	431.9	427.4	427.4	424.3	422.8	427.4	427.4
5°	442.5	434.9	433.4	427.4	428.9	425.8	431.9	428.9	427.4	427.4	425.8
7.5°	445.5	438.0	431.9	427.4	425.8	430.4	438.0	438.0	447.1	442.5	442.5
10°	453.1	448.6	441.0	438.0	438.0	442.5	451.6	457.7	465.2	465.2	460.7
12.5°	471.3	463.7	454.6	450.1	456.2	460.7	469.8	475.9	485.0	488.0	485.0
15°	485.0	477.4	474.3	471.3	475.9	481.9	489.5	495.6	506.2	509.2	507.7
17.5°	503.1	494.0	492.5	494.0	497.1	501.6	506.2	510.7	518.3	518.3	518.3
20°	512.2	509.2	507.7	512.2	518.3	524.4	521.3	518.3	516.8	519.8	518.3
22.5°	528.9	525.9	527.4	531.9	531.9	528.9	524.4	513.7	510.7	513.7	510.7
25°	544.1	541.0	541.0	538.0	536.5	525.9	516.8	507.7	497.1	501.6	500.1
27.5°	559.2	557.7	557.7	545.6	530.4	512.2	500.1	489.5	483.4	491.0	486.5
30°	577.4	578.9	571.3	542.5	506.2	486.5	472.8	471.3	469.8	474.3	472.8
32.5°	594.1	595.6	583.5	538.0	488.0	450.1	436.5	438.0	445.5	453.1	460.7
35°	603.2	610.7	595.6	522.8	451.6	409.2	394.0	407.7	421.3	431.9	439.5
37.5°	619.8	639.5	613.8	506.2	419.8	372.8	362.2	366.7	383.4	400.1	407.7
40°	644.1	666.8	618.3	474.3	377.4	336.4	330.4	331.9	338.0	348.6	356.1
42.5°	686.5	710.8	622.9	433.4	334.9	313.7	297.0	292.5	287.9	287.9	286.4
45°	748.6	771.4	616.8	381.9	292.5	277.3	265.2	254.6	242.5	222.8	225.8
47.5°	839.6	857.8	621.3	336.4	253.1	241.0	231.9	219.7	201.6	180.3	178.8
50°	977.5	950.2	615.3	289.5	224.3	213.7	206.1	189.4	168.2	153.1	151.5
52.5°	1138.1	1083.6	609.2	250.1	200.0	190.9	184.9	166.7	147.0	139.4	137.9
55°	1332.1	1253.3	618.3	215.2	181.9	174.3	168.2	151.5	136.4	130.3	128.8
57.5°	1560.9	1436.7	668.3	187.9	162.2	159.1	157.6	144.0	130.3	125.8	124.3
60°	1776.1	1612.5	701.7	168.2	144.0	147.0	150.0	144.0	128.8	125.8	125.8
62.5°	1956.5	1757.9	648.6	151.5	134.9	144.0	157.6	153.1	147.0	150.0	147.0
65°	2115.6	1808.0	485.0	142.5	130.3	151.5	174.3	172.8	159.1	162.2	160.6
67.5°	2142.9	1747.3	316.7	134.9	127.3	166.7	195.5	177.3	150.0	150.0	145.5
70°	2029.2	1585.2	212.2	127.3	125.8	166.7	200.0	166.7	140.9	140.9	134.9
72.5°	1665.5	1266.9	163.7	119.7	115.2	148.5	189.4	157.6	131.8	128.8	118.2
75°	1094.2	816.8	133.4	113.7	100.0	130.3	171.2	145.5	125.8	116.7	112.1
77.5°	536.5	366.7	112.1	100.0	86.4	113.7	156.1	137.9	118.2	109.1	106.1
80°	147.0	131.8	94.0	87.9	72.7	98.5	147.0	131.8	110.6	101.5	97.0
82.5°	83.4	81.8	75.8	71.2	60.6	98.5	148.5	131.8	104.6	103.1	87.9
85°	45.5	48.5	54.6	53.0	47.0	87.9	140.9	115.2	84.9	71.2	71.2
87.5°	18.2	22.7	27.3	30.3	31.8	65.2	106.1	87.9	65.2	54.6	54.6
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)