

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: P675700

Luminaire Tested: **CCW-SA-1C-740-U-SL4**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675700
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-740-U-SL4
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL4 distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

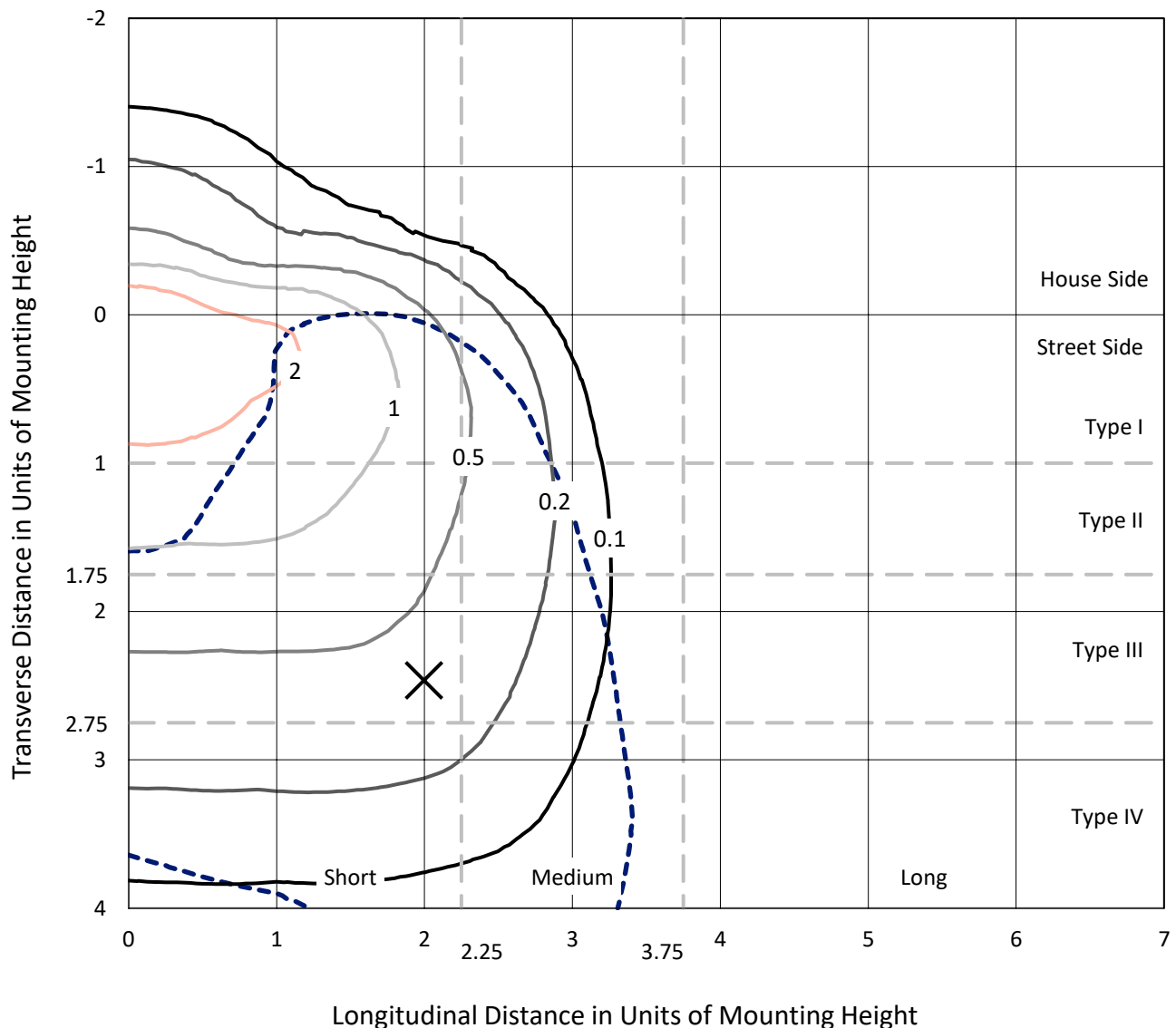
Lumens per Lamp: N/A
Luminaire Lumens: 4430.5 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

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

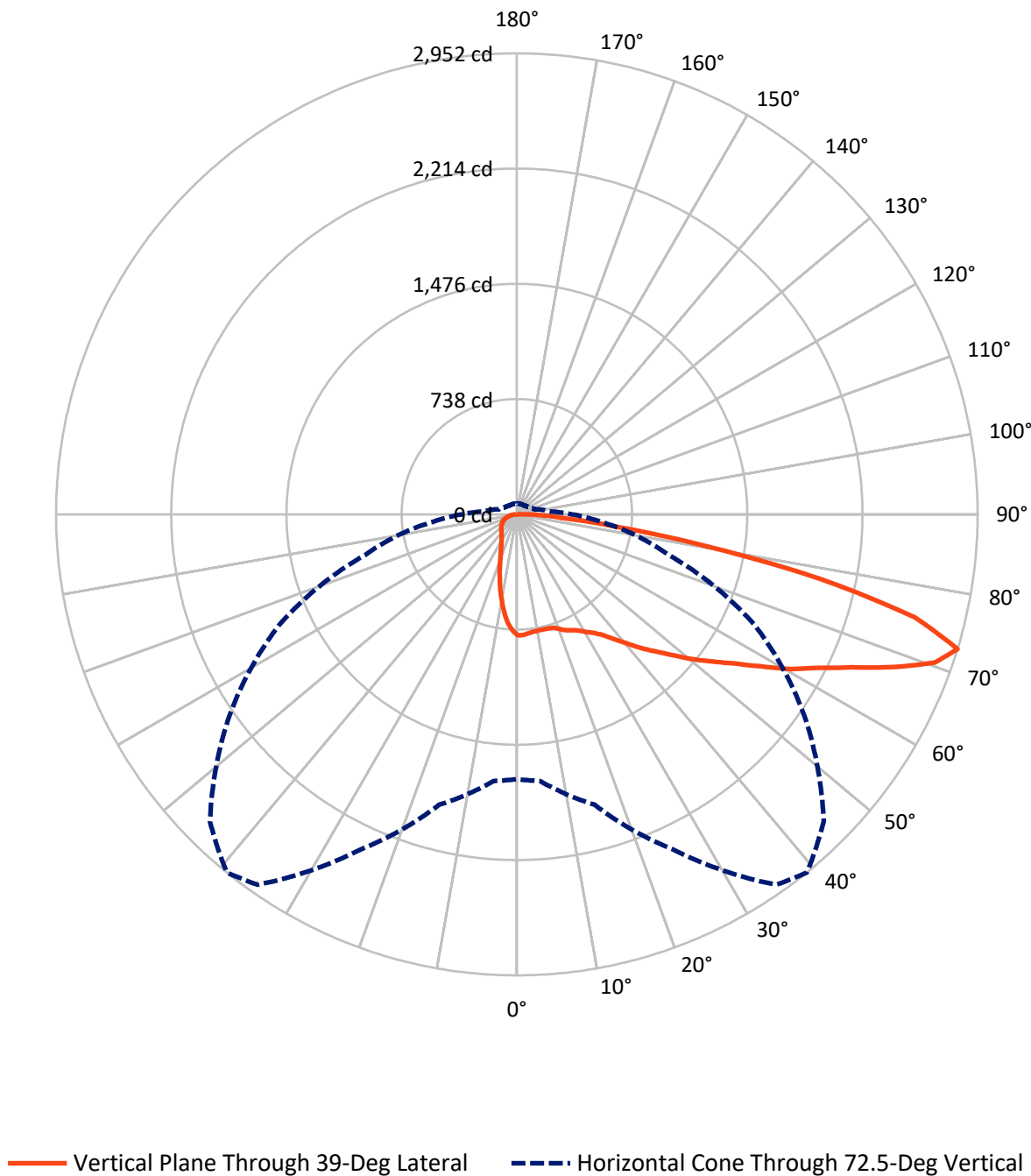
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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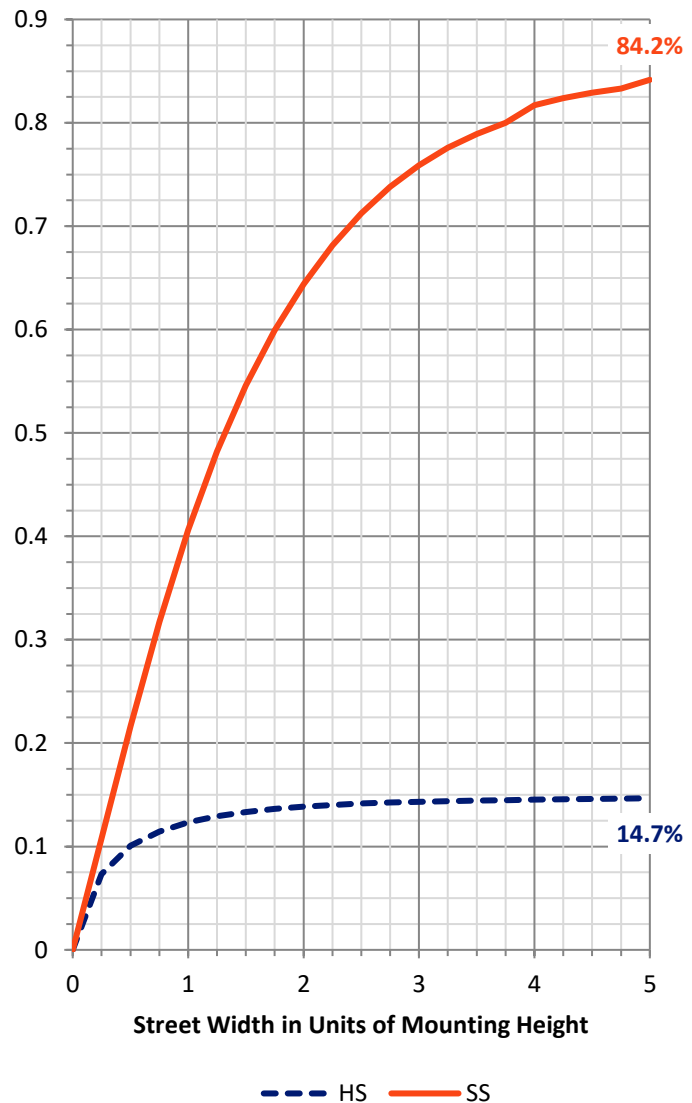
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	658.5	0.0	658.5
	% Fixture	14.9	0.0	14.9
Street Side	Lumens	3772.0	0.0	3772.0
	% Fixture	85.1	0.0	85.1
Total	Lumens	4430.5	0.0	4430.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.5	1.5
10°-20°	174.9	3.9
20°-30°	266.5	6.0
30°-40°	389.8	8.8
40°-50°	596.8	13.5
50°-60°	875.2	19.8
60°-70°	1116.2	25.2
70°-80°	806.5	18.2
80°-90°	136.0	3.1
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°	4430.5	100.0
0°-180°	4430.5	100.0

Coefficient of Utilization



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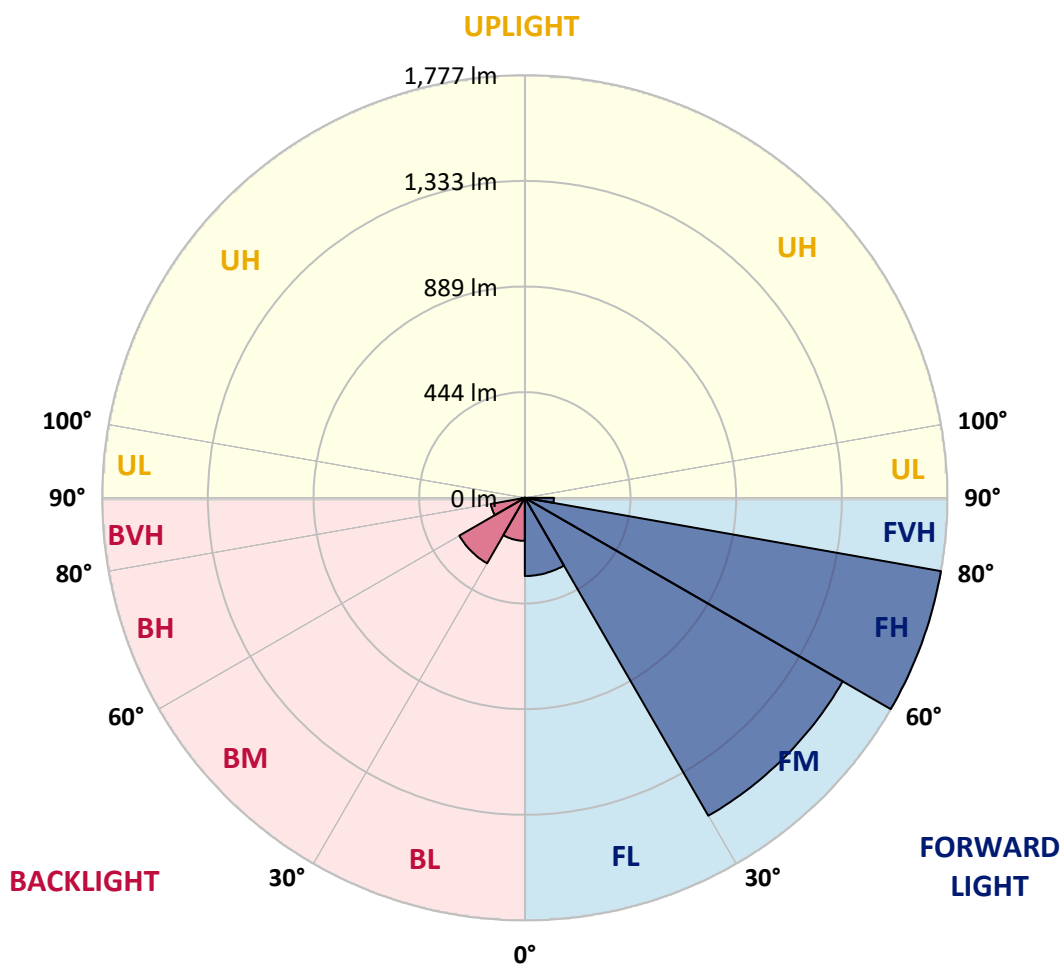
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	328.8	7.4			
FM	(30°-60°)	1543.7	34.8			
FH	(60°-80°)	1777.3	40.1			G1/1800
FVH	(80°-90°)	122.3	2.8			G2/225
BL	(0°-30°)	181.1	4.1	B1/500		
BM	(30°-60°)	318.1	7.2	B1/1000		
BH	(60°-80°)	145.5	3.3	B1/500		G1/500
BVH	(80°-90°)	13.8	0.3			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	775.5	775.5	775.5	775.5	775.5	775.5	775.5	775.5	775.5	775.5	775.5
2.5°	787.2	788.8	785.5	782.2	780.5	773.9	780.5	777.2	773.9	773.9	773.9
5°	777.2	778.9	778.9	775.5	777.2	765.5	763.9	765.5	760.6	757.2	755.6
7.5°	762.2	765.5	772.2	770.5	763.9	758.9	760.6	758.9	750.6	745.6	732.3
10°	750.6	753.9	757.2	760.6	758.9	757.2	755.6	748.9	747.2	735.6	722.3
12.5°	738.9	738.9	740.6	753.9	755.6	755.6	745.6	745.6	740.6	738.9	718.9
15°	727.3	732.3	745.6	748.9	755.6	758.9	753.9	753.9	745.6	733.9	718.9
17.5°	730.6	738.9	752.2	760.6	763.9	763.9	770.5	765.5	753.9	747.2	732.3
20°	747.2	748.9	765.5	780.5	783.9	783.9	777.2	772.2	763.9	752.2	732.3
22.5°	757.2	768.9	788.8	797.2	807.2	807.2	798.8	787.2	775.5	763.9	742.2
25°	800.5	802.2	810.5	823.8	828.8	822.1	813.8	800.5	785.5	773.9	753.9
27.5°	830.4	838.8	848.8	855.4	847.1	842.1	835.4	820.5	808.8	798.8	770.5
30°	885.4	875.4	882.0	885.4	870.4	873.7	855.4	842.1	828.8	828.8	797.2
32.5°	918.7	927.0	920.3	918.7	907.0	905.3	893.7	878.7	870.4	880.4	837.1
35°	976.9	971.9	971.9	970.2	956.9	948.6	948.6	922.0	930.3	951.9	898.7
37.5°	1006.9	1005.2	1015.2	1023.5	1010.2	1015.2	1010.2	998.5	1001.9	1040.1	975.2
40°	1036.8	1048.5	1068.4	1071.8	1080.1	1086.7	1083.4	1081.7	1095.1	1156.6	1078.4
42.5°	1065.1	1075.1	1105.0	1131.7	1151.6	1173.3	1174.9	1174.9	1218.2	1306.4	1203.2
45°	1101.7	1110.0	1151.6	1204.9	1238.2	1253.2	1266.5	1281.5	1339.7	1444.5	1336.4
47.5°	1151.6	1158.3	1208.2	1274.8	1339.7	1348.0	1374.7	1391.3	1479.5	1586.0	1472.8
50°	1223.2	1218.2	1258.2	1354.7	1417.9	1457.9	1496.1	1526.1	1612.6	1729.1	1579.4
52.5°	1281.5	1281.5	1311.4	1439.6	1526.1	1564.4	1604.3	1645.9	1745.8	1872.3	1665.9
55°	1381.3	1371.3	1389.6	1522.8	1647.6	1684.2	1760.8	1795.7	1892.2	1978.8	1739.1
57.5°	1449.5	1454.5	1476.2	1632.6	1790.7	1835.6	1912.2	1937.2	2022.0	2090.3	1792.4
60°	1539.4	1522.8	1569.4	1754.1	1948.8	2012.1	2075.3	2090.3	2153.5	2161.8	1817.3
62.5°	1626.0	1622.6	1662.6	1875.6	2118.6	2163.5	2228.4	2245.0	2271.7	2218.4	1782.4
65°	1679.2	1700.8	1775.7	2008.7	2311.6	2361.5	2426.4	2393.2	2363.2	2168.5	1611.0
67.5°	1752.4	1762.4	1877.2	2153.5	2534.6	2609.5	2666.1	2534.6	2311.6	1963.8	1356.3
70°	1769.1	1795.7	1945.5	2305.0	2764.3	2840.8	2844.2	2486.4	2123.6	1597.7	983.6
72.5°	1695.8	1714.2	1925.5	2368.2	2895.8	2952.3	2780.9	2248.4	1682.5	1006.9	535.9
75°	1426.2	1477.8	1675.9	2173.5	2654.4	2632.8	2356.5	1715.8	1010.2	446.0	226.3
77.5°	993.5	995.2	1201.6	1581.0	1987.1	1982.1	1680.9	995.2	432.7	179.7	133.1
80°	441.0	472.6	597.5	852.1	1206.6	1206.6	980.2	494.3	216.3	116.5	91.5
82.5°	259.6	269.6	319.5	397.8	587.5	619.1	469.3	329.5	148.1	73.2	56.6
85°	191.4	208.0	238.0	239.6	277.9	282.9	259.6	286.2	101.5	39.9	46.6
87.5°	143.1	153.1	189.7	158.1	148.1	139.8	159.8	292.9	38.3	20.0	15.0
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°	775.5	775.5	775.5	775.5	775.5	775.5	775.5	775.5	775.5	775.5	775.5
2.5°	767.2	767.2	763.9	757.2	757.2	743.9	747.2	750.6	742.2	742.2	743.9
5°	755.6	748.9	740.6	730.6	723.9	705.6	702.3	690.7	689.0	685.7	680.7
7.5°	732.3	722.3	707.3	692.3	670.7	654.0	634.1	617.4	610.8	605.8	604.1
10°	710.6	709.0	684.0	654.0	620.8	589.1	559.2	537.5	524.2	515.9	514.2
12.5°	710.6	697.3	662.4	620.8	572.5	525.9	487.6	457.7	439.4	426.0	421.0
15°	707.3	694.0	647.4	584.1	529.2	466.0	412.7	381.1	354.5	341.2	342.8
17.5°	710.6	690.7	625.7	557.5	481.0	412.7	349.5	311.2	284.6	274.6	272.9
20°	712.3	687.3	609.1	520.9	431.0	354.5	294.6	258.0	238.0	231.3	231.3
22.5°	709.0	677.3	584.1	477.6	387.8	306.2	256.3	224.7	211.4	203.0	206.4
25°	723.9	675.7	560.8	441.0	337.8	266.3	228.0	204.7	196.4	191.4	193.1
27.5°	727.3	675.7	542.5	399.4	294.6	236.3	206.4	191.4	184.7	181.4	179.7
30°	740.6	679.0	520.9	357.8	259.6	213.0	189.7	181.4	176.4	174.7	174.7
32.5°	777.2	689.0	497.6	322.9	229.7	193.1	178.1	171.4	168.1	166.4	168.1
35°	820.5	715.6	472.6	286.2	208.0	179.7	168.1	163.1	161.4	161.4	161.4
37.5°	887.0	755.6	451.0	256.3	189.7	166.4	158.1	156.4	154.8	156.4	156.4
40°	963.6	798.8	431.0	233.0	176.4	158.1	149.8	149.8	148.1	149.8	151.4
42.5°	1051.8	852.1	411.1	209.7	164.8	151.4	144.8	143.1	141.5	144.8	146.5
45°	1173.3	925.3	397.8	196.4	156.4	144.8	138.1	138.1	136.5	136.5	139.8
47.5°	1274.8	995.2	397.8	183.1	151.4	139.8	133.1	133.1	129.8	131.5	131.5
50°	1359.7	1055.1	406.1	179.7	144.8	134.8	129.8	126.5	124.8	124.8	124.8
52.5°	1416.3	1091.7	412.7	176.4	141.5	128.1	124.8	123.2	119.8	118.2	119.8
55°	1472.8	1116.7	414.4	176.4	136.5	121.5	118.2	118.2	114.8	113.2	113.2
57.5°	1494.5	1106.7	391.1	173.1	133.1	116.5	113.2	111.5	109.8	108.2	108.2
60°	1484.5	1070.1	339.5	164.8	129.8	113.2	106.5	106.5	106.5	103.2	104.8
62.5°	1416.3	945.3	272.9	151.4	124.8	106.5	99.9	103.2	103.2	101.5	101.5
65°	1236.5	780.5	221.3	139.8	118.2	101.5	94.9	99.9	101.5	99.9	98.2
67.5°	988.6	600.8	183.1	126.5	109.8	93.2	88.2	93.2	94.9	93.2	93.2
70°	679.0	387.8	148.1	113.2	98.2	84.9	79.9	83.2	83.2	84.9	84.9
72.5°	351.2	209.7	121.5	96.5	84.9	76.6	71.6	71.6	69.9	69.9	69.9
75°	174.7	143.1	101.5	81.5	71.6	64.9	61.6	58.2	58.2	58.2	58.2
77.5°	121.5	109.8	83.2	64.9	58.2	53.3	53.3	48.3	48.3	48.3	48.3
80°	91.5	86.5	63.2	49.9	44.9	41.6	41.6	39.9	39.9	38.3	38.3
82.5°	64.9	69.9	48.3	36.6	33.3	31.6	31.6	30.0	30.0	26.6	26.6
85°	51.6	58.2	36.6	26.6	25.0	21.6	21.6	20.0	20.0	18.3	16.6
87.5°	15.0	31.6	15.0	10.0	10.0	10.0	10.0	8.3	8.3	6.7	6.7
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)