

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: P675350

Luminaire Tested: **CCW-SA-2B-850-U-T4W**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675350
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-850-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T4W distribution lens
Light Source: (32) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6079.5 lumens
Efficiency: N/A
Efficacy: 132.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

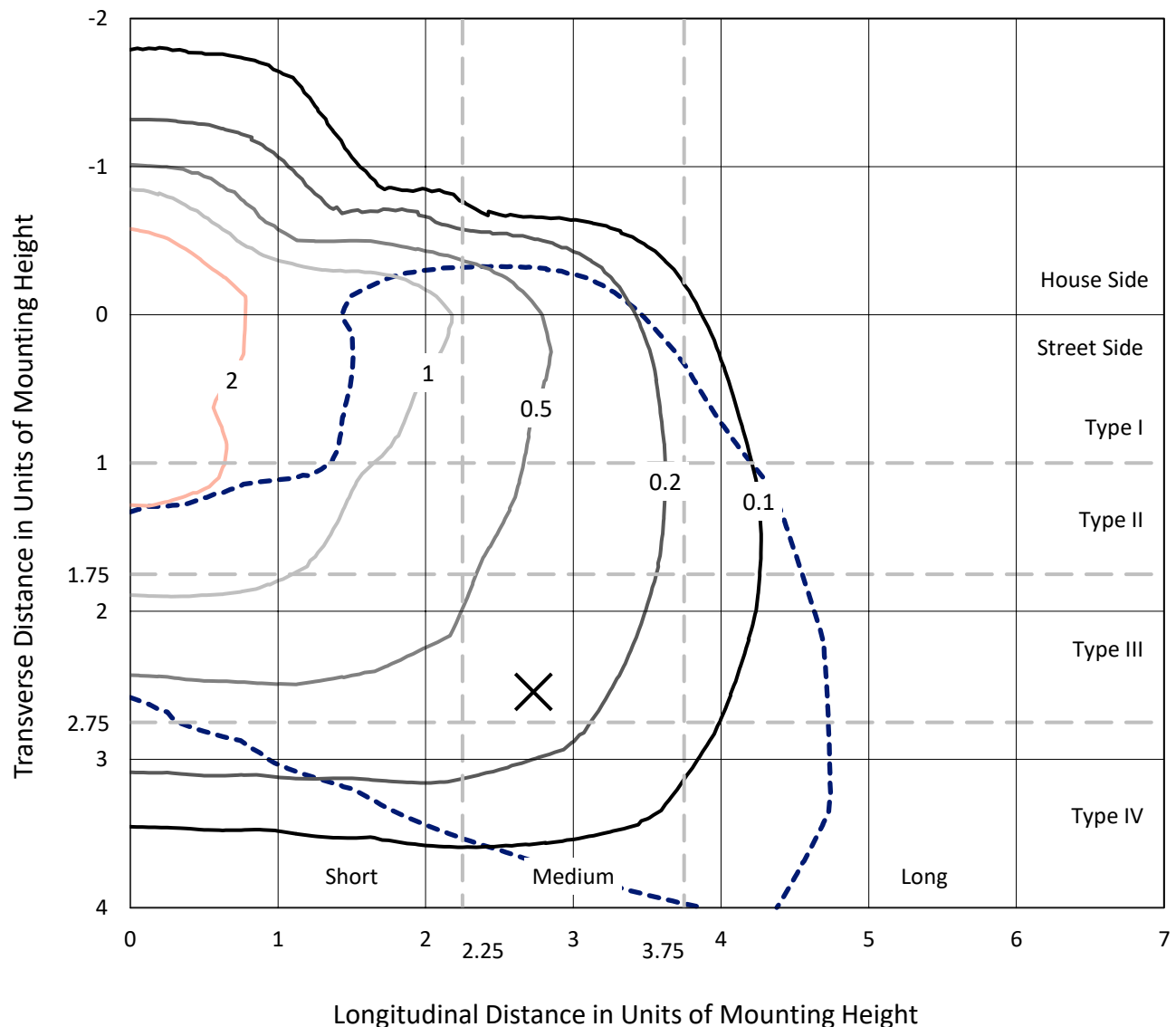
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

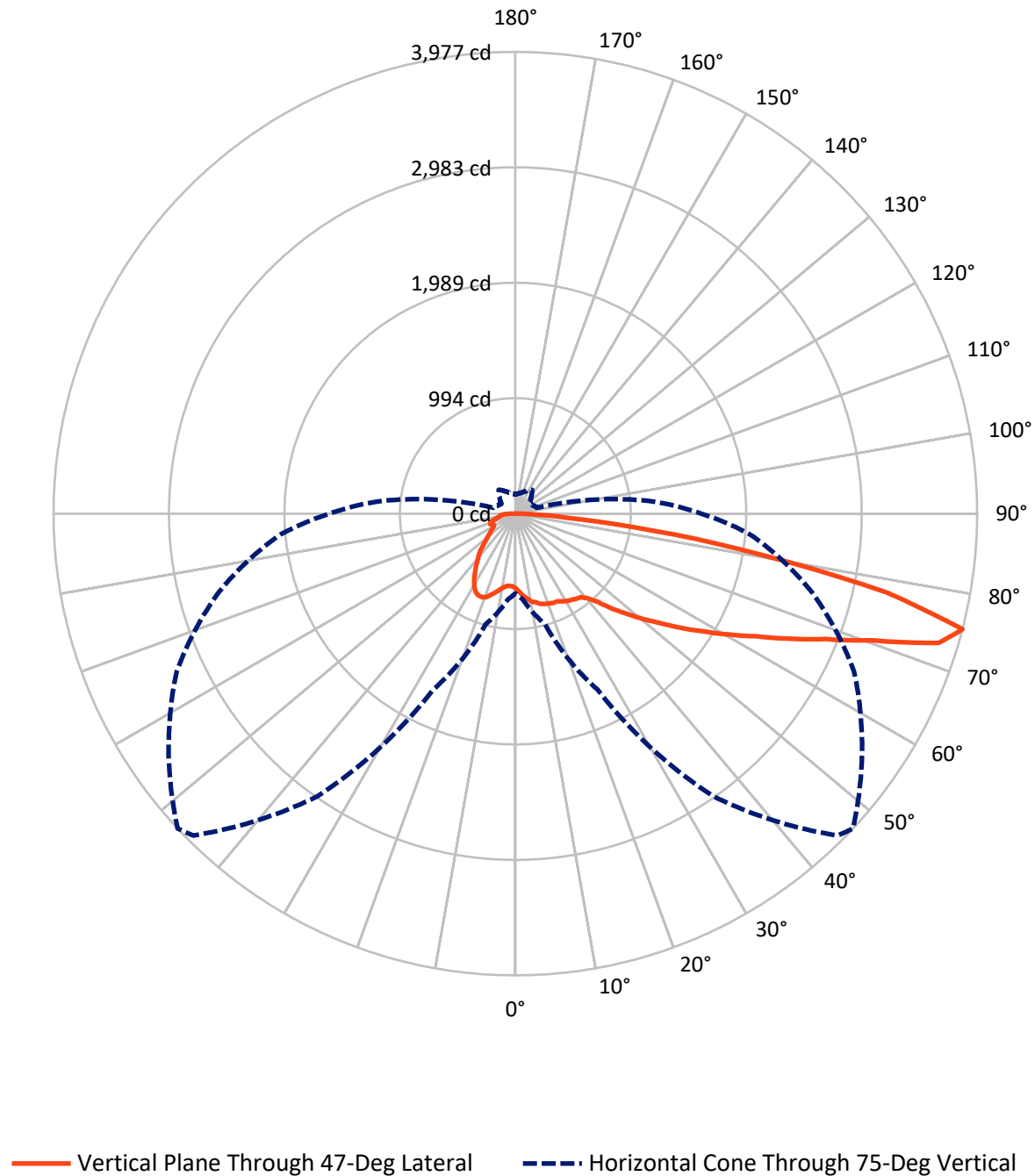
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.7 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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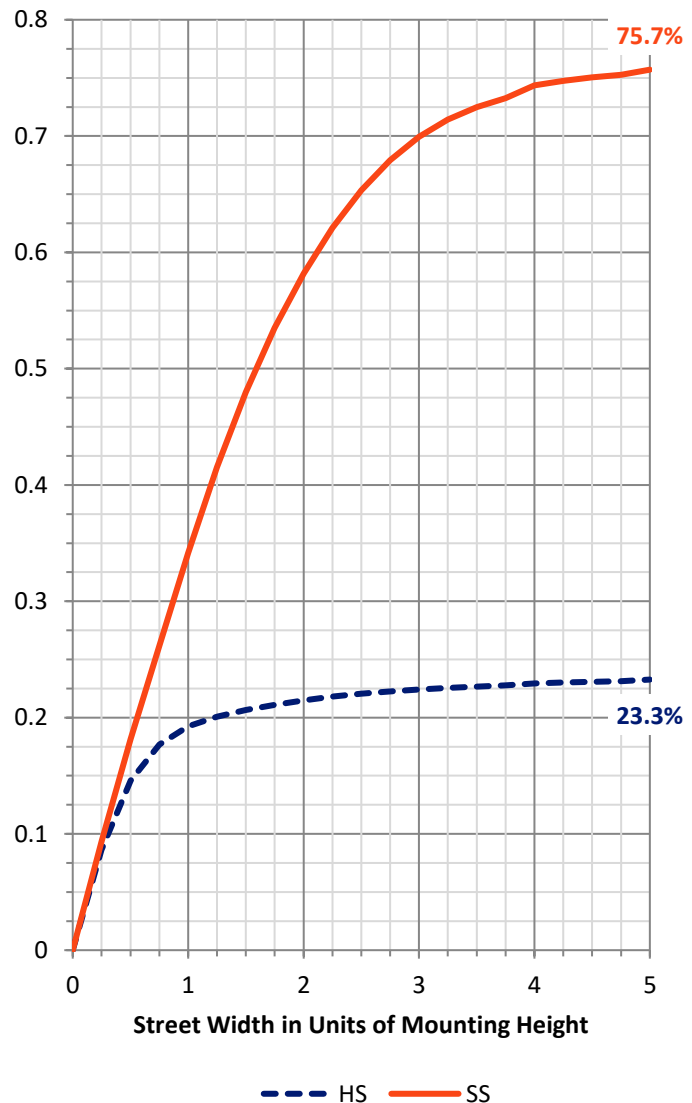
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1453.9	0.0	1453.9
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4625.6	0.0	4625.6
	% Fixture	76.1	0.0	76.1
Total	Lumens	6079.5	0.0	6079.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.3	1.1
10°-20°	216.7	3.6
20°-30°	371.2	6.1
30°-40°	519.4	8.5
40°-50°	724.1	11.9
50°-60°	1082.4	17.8
60°-70°	1560.5	25.7
70°-80°	1328.4	21.8
80°-90°	211.6	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°	6079.5	100.0
0°-180°	6079.5	100.0

Coefficient of Utilization



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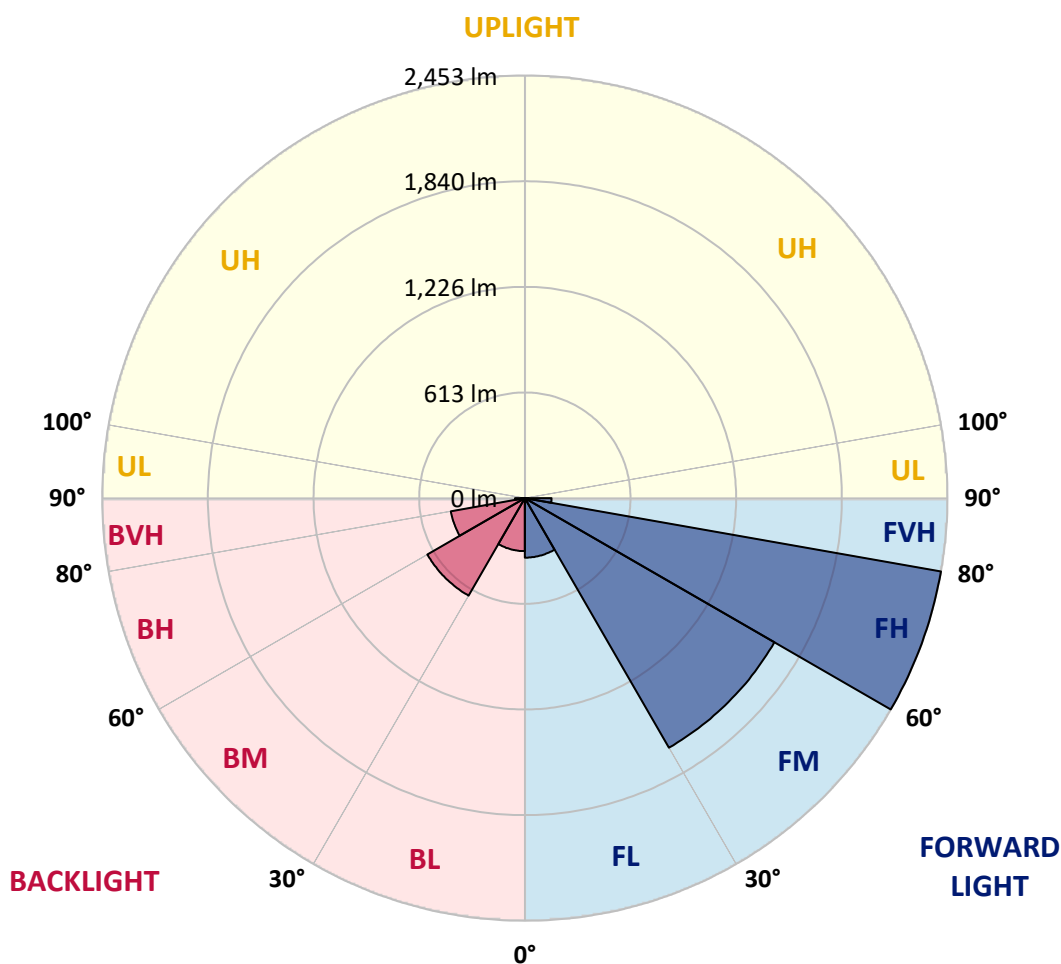
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	345.4	5.7			
FM	(30°-60°)	1672.4	27.5			
FH	(60°-80°)	2452.7	40.3			G2/5000
FVH	(80°-90°)	155.0	2.6			G2/225
BL	(0°-30°)	307.7	5.1	B1/500		
BM	(30°-60°)	653.4	10.7	B1/1000		
BH	(60°-80°)	436.2	7.2	B1/500		G1/500
BVH	(80°-90°)	56.6	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°	645.5	645.5	645.5	645.5	645.5	645.5	645.5	645.5	645.5	645.5	645.5
2.5°	692.1	694.3	694.3	689.9	685.4	676.6	676.6	667.7	663.3	652.2	647.7
5°	756.4	749.8	743.1	740.9	729.8	714.3	712.1	703.2	678.8	667.7	652.2
7.5°	803.0	800.8	798.6	789.7	769.7	745.3	738.7	725.4	701.0	678.8	661.0
10°	840.7	849.6	840.7	820.8	800.8	774.2	772.0	747.6	725.4	698.8	676.6
12.5°	882.9	885.1	869.6	845.2	814.1	791.9	783.1	774.2	749.8	727.6	694.3
15°	911.7	907.3	896.2	862.9	827.4	805.2	807.5	796.4	769.7	754.2	718.7
17.5°	911.7	911.7	894.0	869.6	838.5	818.5	818.5	811.9	794.1	772.0	747.6
20°	894.0	894.0	882.9	869.6	834.1	829.6	825.2	820.8	820.8	800.8	765.3
22.5°	871.8	867.3	871.8	849.6	825.2	829.6	836.3	834.1	827.4	809.7	785.3
25°	849.6	851.8	856.3	840.7	818.5	838.5	836.3	847.4	842.9	829.6	809.7
27.5°	847.4	851.8	854.0	838.5	829.6	847.4	856.3	867.3	869.6	856.3	831.9
30°	880.7	878.4	876.2	856.3	849.6	865.1	874.0	889.5	902.8	874.0	854.0
32.5°	967.2	953.9	940.5	887.3	867.3	878.4	887.3	909.5	911.7	896.2	867.3
35°	1104.7	1095.8	1051.5	958.3	902.8	891.7	900.6	916.1	920.6	909.5	887.3
37.5°	1262.2	1257.8	1195.6	1082.5	976.0	922.8	913.9	936.1	953.9	929.5	898.4
40°	1417.5	1399.7	1355.4	1244.5	1069.2	969.4	958.3	969.4	976.0	958.3	938.3
42.5°	1557.2	1537.3	1526.2	1415.3	1191.2	1047.0	1038.2	1011.5	1031.5	1009.3	982.7
45°	1674.8	1670.4	1665.9	1570.5	1331.0	1173.5	1166.8	1098.0	1120.2	1102.5	1064.8
47.5°	1759.1	1779.1	1772.4	1719.2	1490.7	1308.8	1288.8	1200.1	1233.4	1215.6	1177.9
50°	1858.9	1870.0	1863.3	1827.9	1639.3	1464.1	1426.3	1335.4	1373.1	1370.9	1350.9
52.5°	1947.6	1980.9	1943.2	1941.0	1852.3	1632.6	1568.3	1481.8	1543.9	1568.3	1566.1
55°	2051.9	2078.5	2067.4	2063.0	2043.0	1796.8	1739.1	1634.9	1739.1	1774.6	1805.7
57.5°	2140.6	2138.4	2180.6	2231.6	2256.0	1985.4	1916.6	1794.6	1952.1	1992.0	2078.5
60°	2180.6	2218.3	2289.3	2417.9	2486.7	2187.2	2116.2	2018.6	2167.3	2198.3	2358.0
62.5°	2207.2	2240.5	2378.0	2595.4	2635.3	2393.5	2327.0	2229.4	2402.4	2424.6	2661.9
65°	2134.0	2165.0	2437.9	2661.9	2803.9	2615.3	2599.8	2497.8	2637.5	2650.8	2981.4
67.5°	2049.7	2083.0	2386.9	2746.2	3027.9	2910.4	2886.0	2764.0	2870.4	2854.9	3225.4
70°	1901.1	1945.4	2256.0	2819.4	3276.4	3323.0	3274.2	3101.1	3112.2	2965.8	3236.5
72.5°	1448.5	1477.4	1765.7	2528.8	3391.7	3895.3	3811.0	3464.9	3338.5	2988.0	2857.1
75°	687.7	740.9	984.9	1672.6	2972.5	3921.9	3977.4	3644.6	3218.7	2650.8	2025.3
77.5°	199.6	199.6	299.5	709.8	1863.3	3161.0	3265.3	3094.5	2655.3	1963.2	1064.8
80°	108.7	115.4	157.5	250.7	818.5	1994.2	2145.1	2051.9	1563.9	776.4	275.1
82.5°	62.1	64.3	104.3	150.8	372.7	1084.7	1173.5	1064.8	594.5	235.1	128.7
85°	35.5	37.7	59.9	99.8	221.8	399.3	434.8	377.1	239.6	157.5	64.3
87.5°	17.7	17.7	28.8	46.6	113.1	113.1	110.9	135.3	144.2	95.4	28.8
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°	645.5	645.5	645.5	645.5	645.5	645.5	645.5	645.5	645.5	645.5	645.5
2.5°	645.5	643.3	643.3	634.4	632.2	625.6	625.6	621.1	618.9	625.6	625.6
5°	647.7	636.6	634.4	625.6	627.8	623.3	632.2	627.8	625.6	625.6	623.3
7.5°	652.2	641.1	632.2	625.6	623.3	630.0	641.1	641.1	654.4	647.7	647.7
10°	663.3	656.6	645.5	641.1	641.1	647.7	661.0	669.9	681.0	681.0	674.4
12.5°	689.9	678.8	665.5	658.8	667.7	674.4	687.7	696.5	709.8	714.3	709.8
15°	709.8	698.8	694.3	689.9	696.5	705.4	716.5	725.4	740.9	745.3	743.1
17.5°	736.5	723.2	720.9	723.2	727.6	734.2	740.9	747.6	758.6	758.6	758.6
20°	749.8	745.3	743.1	749.8	758.6	767.5	763.1	758.6	756.4	760.9	758.6
22.5°	774.2	769.7	772.0	778.6	778.6	774.2	767.5	752.0	747.6	752.0	747.6
25°	796.4	791.9	791.9	787.5	785.3	769.7	756.4	743.1	727.6	734.2	732.0
27.5°	818.5	816.3	816.3	798.6	776.4	749.8	732.0	716.5	707.6	718.7	712.1
30°	845.2	847.4	836.3	794.1	740.9	712.1	692.1	689.9	687.7	694.3	692.1
32.5°	869.6	871.8	854.0	787.5	714.3	658.8	638.9	641.1	652.2	663.3	674.4
35°	882.9	894.0	871.8	765.3	661.0	598.9	576.8	596.7	616.7	632.2	643.3
37.5°	907.3	936.1	898.4	740.9	614.5	545.7	530.2	536.8	561.2	585.6	596.7
40°	942.8	976.0	905.1	694.3	552.3	492.5	483.6	485.8	494.7	510.2	521.3
42.5°	1004.9	1040.4	911.7	634.4	490.2	459.2	434.8	428.1	421.5	421.5	419.3
45°	1095.8	1129.1	902.8	559.0	428.1	405.9	388.2	372.7	354.9	326.1	330.5
47.5°	1228.9	1255.5	909.5	492.5	370.5	352.7	339.4	321.6	295.0	264.0	261.8
50°	1430.8	1390.9	900.6	423.7	328.3	312.8	301.7	277.3	246.2	224.0	221.8
52.5°	1665.9	1586.1	891.7	366.0	292.8	279.5	270.6	244.0	215.2	204.1	201.9
55°	1949.9	1834.5	905.1	315.0	266.2	255.1	246.2	221.8	199.6	190.8	188.6
57.5°	2284.8	2102.9	978.3	275.1	237.4	232.9	230.7	210.7	190.8	184.1	181.9
60°	2599.8	2360.2	1027.1	246.2	210.7	215.2	219.6	210.7	188.6	184.1	184.1
62.5°	2863.8	2573.2	949.4	221.8	197.4	210.7	230.7	224.0	215.2	219.6	215.2
65°	3096.7	2646.4	709.8	208.5	190.8	221.8	255.1	252.9	232.9	237.4	235.1
67.5°	3136.6	2557.7	463.6	197.4	186.3	244.0	286.2	259.5	219.6	219.6	213.0
70°	2970.3	2320.3	310.6	186.3	184.1	244.0	292.8	244.0	206.3	206.3	197.4
72.5°	2437.9	1854.5	239.6	175.2	168.6	217.4	277.3	230.7	193.0	188.6	173.0
75°	1601.6	1195.6	195.2	166.4	146.4	190.8	250.7	213.0	184.1	170.8	164.2
77.5°	785.3	536.8	164.2	146.4	126.4	166.4	228.5	201.9	173.0	159.7	155.3
80°	215.2	193.0	137.5	128.7	106.5	144.2	215.2	193.0	161.9	148.6	142.0
82.5°	122.0	119.8	110.9	104.3	88.7	144.2	217.4	193.0	153.1	150.8	128.7
85°	66.5	71.0	79.9	77.6	68.8	128.7	206.3	168.6	124.2	104.3	104.3
87.5°	26.6	33.3	39.9	44.4	46.6	95.4	155.3	128.7	95.4	79.9	79.9
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)