

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: P674794

Luminaire Tested: **CCW-SA-1E-722-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674794
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-722-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T2 distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5023.6 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

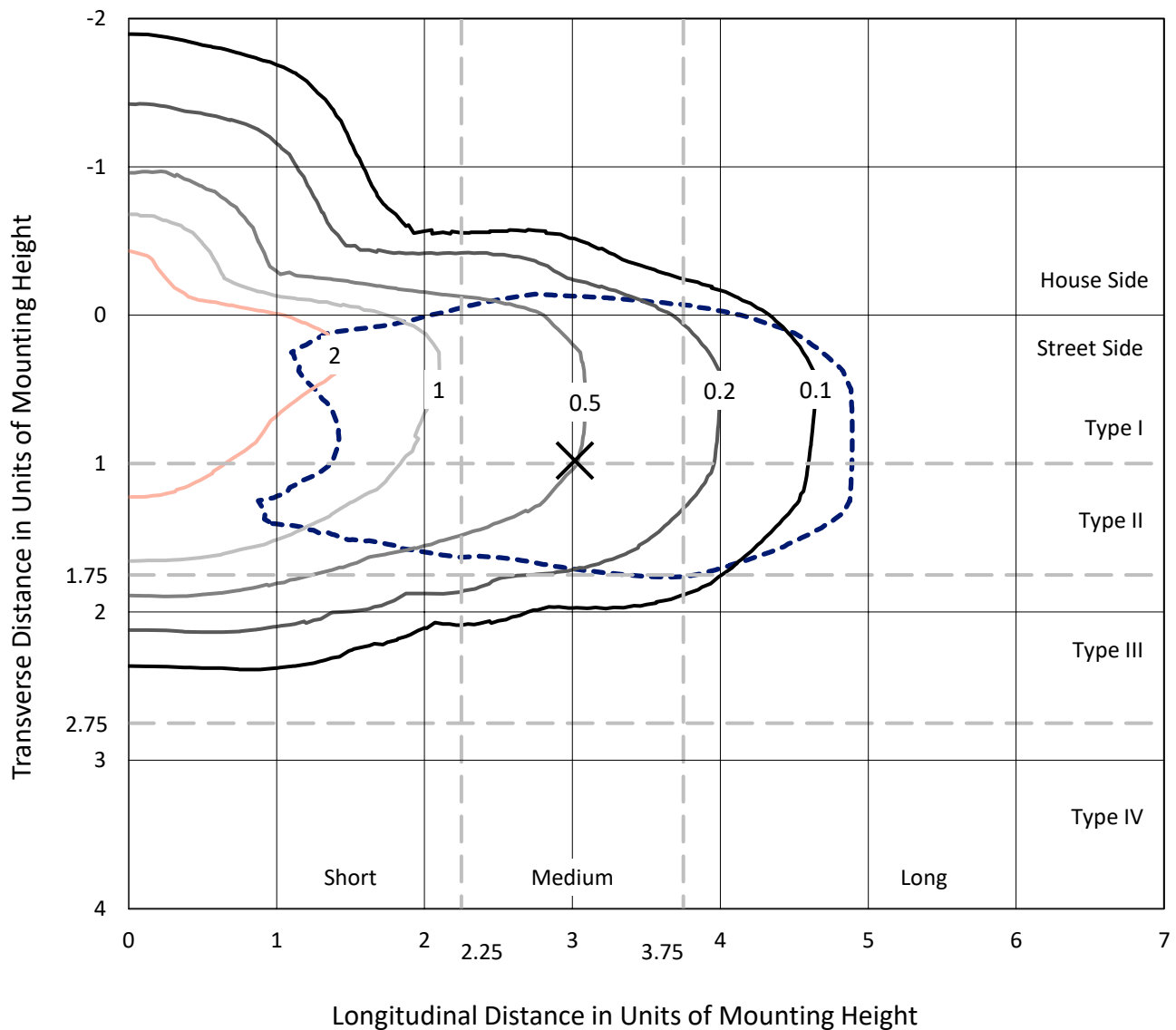
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

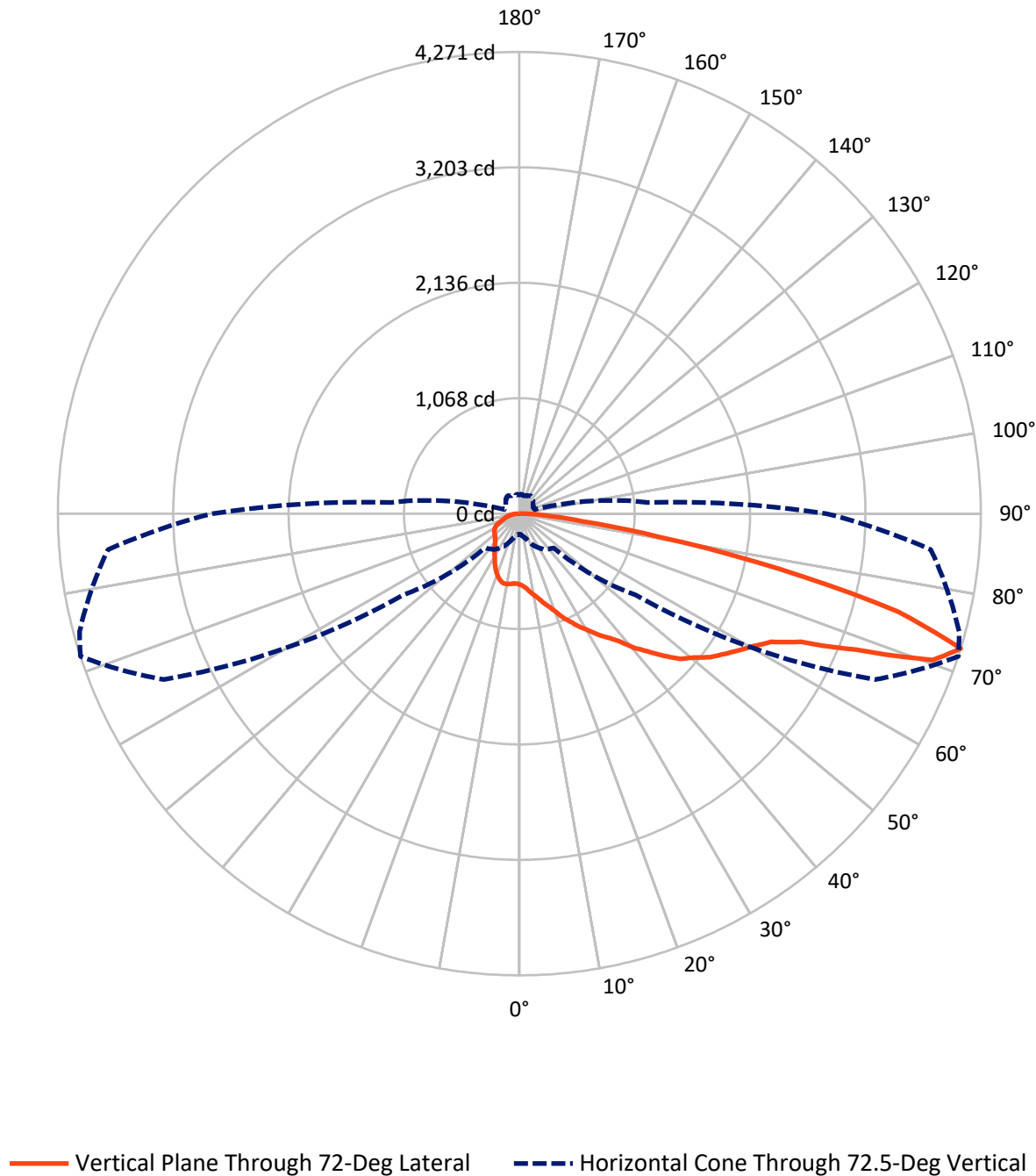
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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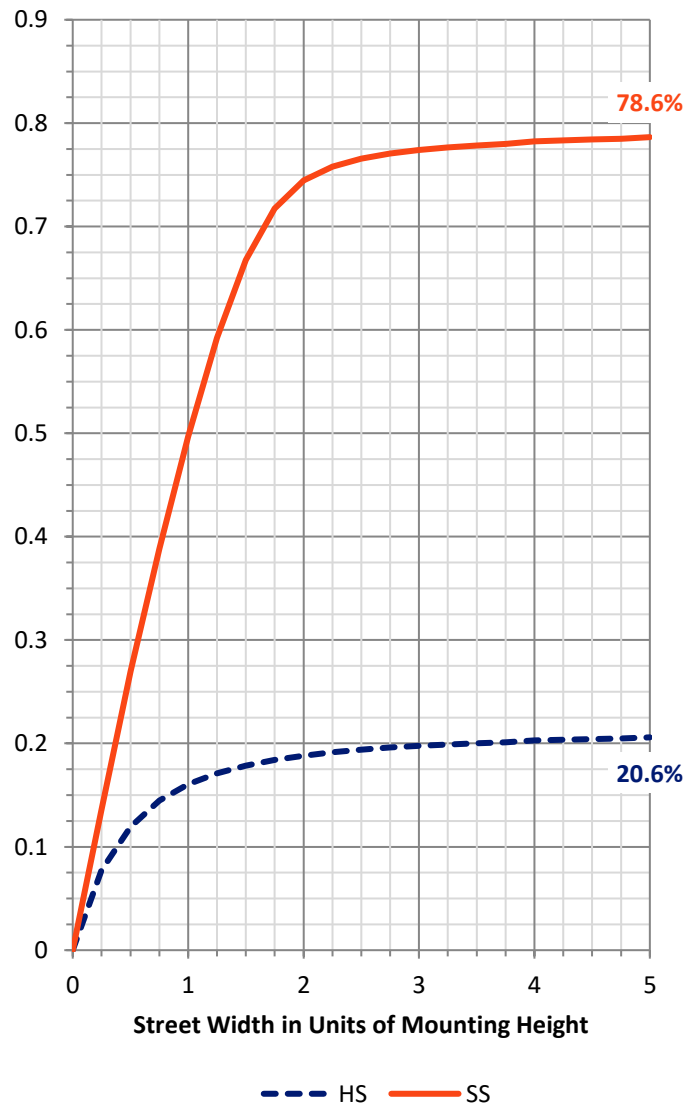
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1057.2	0.0	1057.2
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	3966.4	0.0	3966.4
	% Fixture	79.0	0.0	79.0
Total	Lumens	5023.6	0.0	5023.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.9	1.3
10°-20°	201.6	4.0
20°-30°	348.8	6.9
30°-40°	515.3	10.3
40°-50°	766.2	15.3
50°-60°	1050.5	20.9
60°-70°	1139.5	22.7
70°-80°	803.3	16.0
80°-90°	133.5	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°	5023.6	100.0
0°-180°	5023.6	100.0

Coefficient of Utilization



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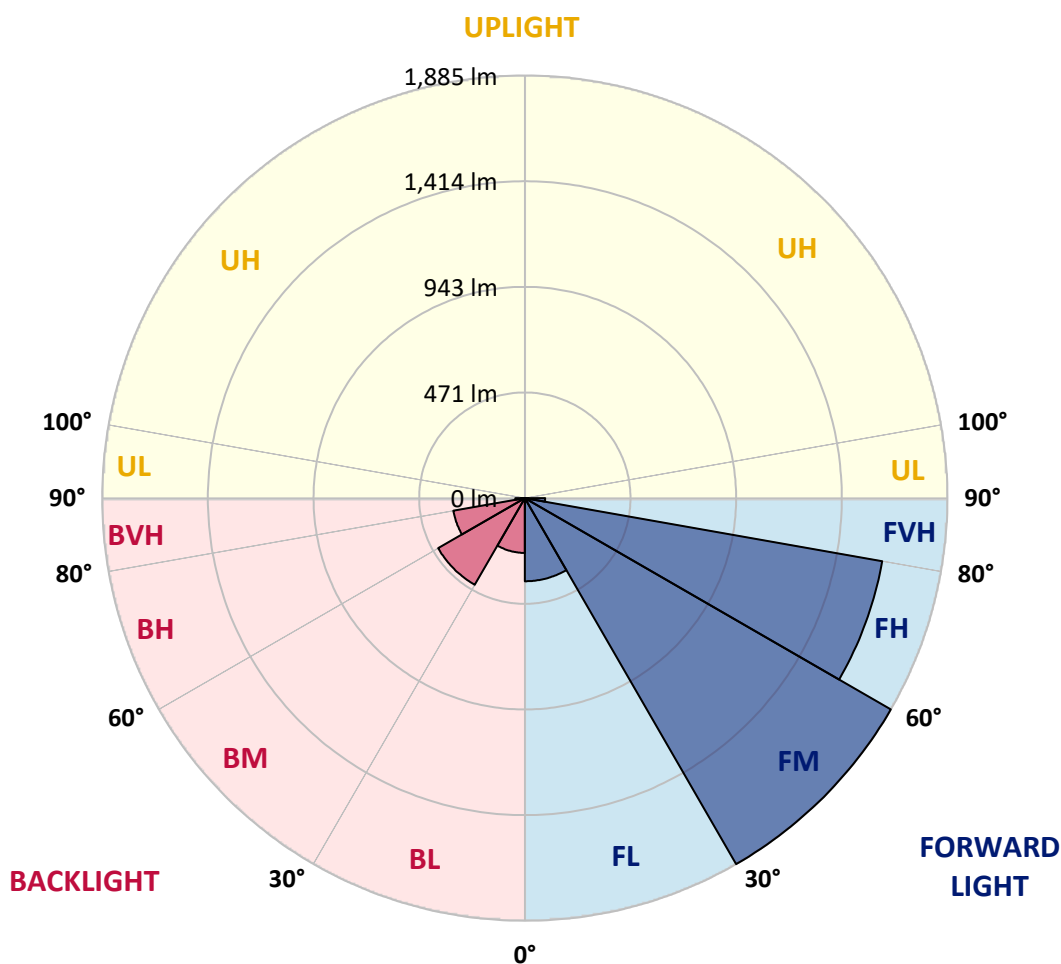
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	370.9	7.4			
FM	(30°-60°)	1885.5	37.5			
FH	(60°-80°)	1618.9	32.2			G1/1800
FVH	(80°-90°)	91.0	1.8			G1/100
BL	(0°-30°)	244.4	4.9	B1/500		
BM	(30°-60°)	446.5	8.9	B1/1000		
BH	(60°-80°)	323.9	6.4	B1/500		G1/500
BVH	(80°-90°)	42.5	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°	656.2	656.2	656.2	656.2	656.2	656.2	656.2	656.2	656.2	656.2	656.2
2.5°	708.1	708.1	702.6	700.7	700.7	685.9	687.7	678.5	671.1	671.1	663.6
5°	745.2	741.5	741.5	741.5	732.2	726.7	724.8	708.1	695.1	697.0	674.8
7.5°	754.5	756.3	758.2	767.4	761.9	765.6	761.9	743.3	734.1	724.8	704.4
10°	760.0	763.7	763.7	776.7	776.7	786.0	791.5	784.1	767.4	758.2	724.8
12.5°	773.0	767.4	774.9	784.1	793.4	810.1	826.8	819.3	808.2	797.1	760.0
15°	773.0	774.9	780.4	795.3	810.1	826.8	856.4	867.5	862.0	841.6	802.7
17.5°	750.8	745.2	771.2	799.0	826.8	847.2	886.1	912.0	908.3	900.9	841.6
20°	752.6	758.2	767.4	791.5	836.0	873.1	921.3	963.9	973.2	969.5	893.5
22.5°	786.0	787.8	797.1	808.2	843.4	891.6	963.9	1032.5	1049.2	1039.9	951.0
25°	819.3	834.2	834.2	841.6	854.6	904.6	991.7	1088.1	1112.2	1114.1	1010.3
27.5°	873.1	876.8	887.9	891.6	902.8	932.4	1023.3	1128.9	1184.5	1177.1	1064.0
30°	936.1	938.0	945.4	941.7	943.5	980.6	1052.9	1175.3	1251.3	1253.1	1121.5
32.5°	1010.3	1025.1	1028.8	1004.7	1008.4	1017.7	1099.3	1230.9	1334.7	1321.7	1171.6
35°	1119.7	1125.2	1114.1	1103.0	1075.2	1069.6	1147.5	1286.5	1407.0	1421.8	1245.7
37.5°	1255.0	1269.8	1255.0	1195.7	1166.0	1143.8	1206.8	1347.7	1494.1	1544.2	1319.9
40°	1381.0	1379.2	1364.3	1310.6	1258.7	1242.0	1292.1	1432.9	1629.4	1677.6	1427.4
42.5°	1483.0	1477.4	1468.2	1427.4	1379.2	1351.4	1390.3	1521.9	1742.5	1835.2	1551.6
45°	1572.0	1564.5	1566.4	1520.1	1473.7	1488.5	1488.5	1623.9	1876.0	1990.9	1694.3
47.5°	1655.4	1659.1	1653.5	1618.3	1583.1	1622.0	1601.6	1740.7	2007.6	2135.5	1814.8
50°	1751.8	1759.2	1740.7	1718.4	1686.9	1725.8	1699.9	1850.0	2092.9	2267.1	1959.4
52.5°	1842.6	1850.0	1866.7	1838.9	1807.4	1838.9	1779.6	1952.0	2205.9	2395.0	2070.6
55°	1864.9	1861.1	1953.8	1983.5	2000.2	1905.6	1850.0	2039.1	2294.9	2476.6	2196.7
57.5°	1762.9	1772.2	1898.2	1983.5	2161.5	2079.9	1929.7	2141.1	2387.6	2584.1	2313.5
60°	1508.9	1514.5	1672.1	1874.1	2133.6	2243.0	2144.8	2272.7	2489.6	2674.9	2445.1
62.5°	1008.4	1051.1	1247.6	1564.5	1937.1	2287.5	2487.7	2495.1	2613.8	2789.9	2624.9
65°	532.0	552.4	706.3	962.1	1468.2	2133.6	2810.3	2936.3	2862.2	3001.2	2884.4
67.5°	348.5	355.9	439.3	583.9	847.2	1557.1	2847.3	3701.9	3360.8	3403.5	3299.6
70°	259.5	263.2	324.4	431.9	524.6	832.3	2333.8	4059.7	4057.8	3944.7	3792.7
72.5°	190.9	196.5	239.1	330.0	404.1	448.6	1312.4	3631.5	4271.0	4213.5	3822.4
75°	150.2	153.9	176.1	255.8	326.3	294.7	665.5	2689.8	3622.2	3898.4	3498.0
77.5°	122.3	126.1	139.0	185.4	261.4	228.0	318.8	1735.1	2456.2	2806.5	2676.8
80°	102.0	102.0	111.2	131.6	202.1	172.4	189.1	975.1	1323.6	1460.7	1214.2
82.5°	87.1	85.3	92.7	96.4	150.2	124.2	122.3	441.2	582.1	617.3	456.0
85°	55.6	57.5	87.1	83.4	98.2	85.3	68.6	209.5	274.4	279.9	170.5
87.5°	22.2	22.2	37.1	46.3	55.6	51.9	33.4	94.5	120.5	120.5	48.2
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°	656.2	656.2	656.2	656.2	656.2	656.2	656.2	656.2	656.2	656.2	656.2
2.5°	661.8	654.4	648.8	645.1	635.8	626.6	628.4	626.6	619.1	615.4	615.4
5°	669.2	661.8	652.5	637.7	628.4	617.3	621.0	613.6	606.2	611.7	602.5
7.5°	687.7	674.8	661.8	639.5	624.7	608.0	600.6	596.9	591.3	587.6	587.6
10°	713.7	695.1	671.1	637.7	613.6	587.6	583.9	576.5	570.9	570.9	569.1
12.5°	739.6	719.2	678.5	624.7	583.9	565.4	563.5	565.4	569.1	570.9	572.8
15°	773.0	739.6	676.6	600.6	559.8	552.4	561.7	569.1	576.5	583.9	582.1
17.5°	804.5	765.6	659.9	570.9	539.4	541.3	558.0	572.8	587.6	595.0	596.9
20°	847.2	789.7	635.8	535.7	519.0	535.7	558.0	576.5	593.2	602.5	604.3
22.5°	895.4	817.5	604.3	504.2	502.4	519.0	541.3	569.1	587.6	604.3	602.5
25°	938.0	836.0	563.5	478.3	482.0	493.1	519.0	548.7	567.2	585.8	580.2
27.5°	965.8	839.7	520.9	459.7	459.7	470.8	494.9	513.5	530.2	545.0	546.9
30°	997.3	832.3	472.7	435.6	435.6	450.5	459.7	470.8	480.1	483.8	487.5
32.5°	1034.4	815.6	443.0	417.1	417.1	428.2	433.8	430.1	428.2	418.9	424.5
35°	1069.6	791.5	409.7	393.0	400.4	406.0	404.1	393.0	381.9	365.2	359.6
37.5°	1112.2	767.4	380.0	367.0	380.0	381.9	381.9	368.9	354.1	333.7	333.7
40°	1177.1	748.9	355.9	350.4	363.3	361.5	352.2	342.9	348.5	337.4	337.4
42.5°	1245.7	741.5	333.7	335.5	341.1	342.9	333.7	322.5	344.8	331.8	333.7
45°	1331.0	747.1	318.8	317.0	330.0	328.1	322.5	313.3	320.7	287.3	278.1
47.5°	1410.7	758.2	311.4	304.0	318.8	322.5	315.1	294.7	283.6	263.2	259.5
50°	1483.0	782.3	304.0	289.2	304.0	311.4	298.5	276.2	263.2	250.3	250.3
52.5°	1551.6	817.5	300.3	272.5	285.5	294.7	287.3	265.1	250.3	244.7	239.1
55°	1622.0	849.0	294.7	261.4	265.1	283.6	281.8	252.1	237.3	237.3	235.4
57.5°	1722.1	891.6	287.3	242.8	250.3	270.6	270.6	246.5	229.9	231.7	233.6
60°	1824.1	941.7	279.9	224.3	229.9	257.7	261.4	239.1	224.3	226.2	224.3
62.5°	1987.2	1034.4	265.1	202.1	213.2	241.0	250.3	229.9	216.9	220.6	220.6
65°	2233.7	1193.8	233.6	183.5	196.5	226.2	239.1	220.6	205.8	216.9	213.2
67.5°	2630.4	1412.5	196.5	168.7	185.4	211.3	226.2	209.5	196.5	213.2	207.6
70°	2986.4	1520.1	168.7	155.7	168.7	194.6	211.3	198.3	185.4	202.1	194.6
72.5°	2841.8	1191.9	146.4	140.9	153.9	176.1	196.5	183.5	170.5	179.8	172.4
75°	2452.5	949.1	127.9	126.1	137.2	159.4	179.8	170.5	157.6	161.3	157.6
77.5°	1859.3	784.1	109.4	107.5	116.8	142.7	161.3	153.9	140.9	139.0	139.0
80°	830.5	385.6	90.8	90.8	96.4	122.3	137.2	133.5	120.5	118.6	116.8
82.5°	272.5	146.4	74.1	70.4	77.9	102.0	122.3	118.6	105.7	102.0	98.2
85°	109.4	70.4	53.8	53.8	61.2	85.3	109.4	102.0	85.3	76.0	76.0
87.5°	37.1	29.7	27.8	27.8	38.9	57.5	81.6	68.6	61.2	53.8	55.6
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)