

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: P671304

Luminaire Tested: **CCP-SA-1D-835-U-SL2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671304
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-835-U-SL2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ SL2
distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4548 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 44
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

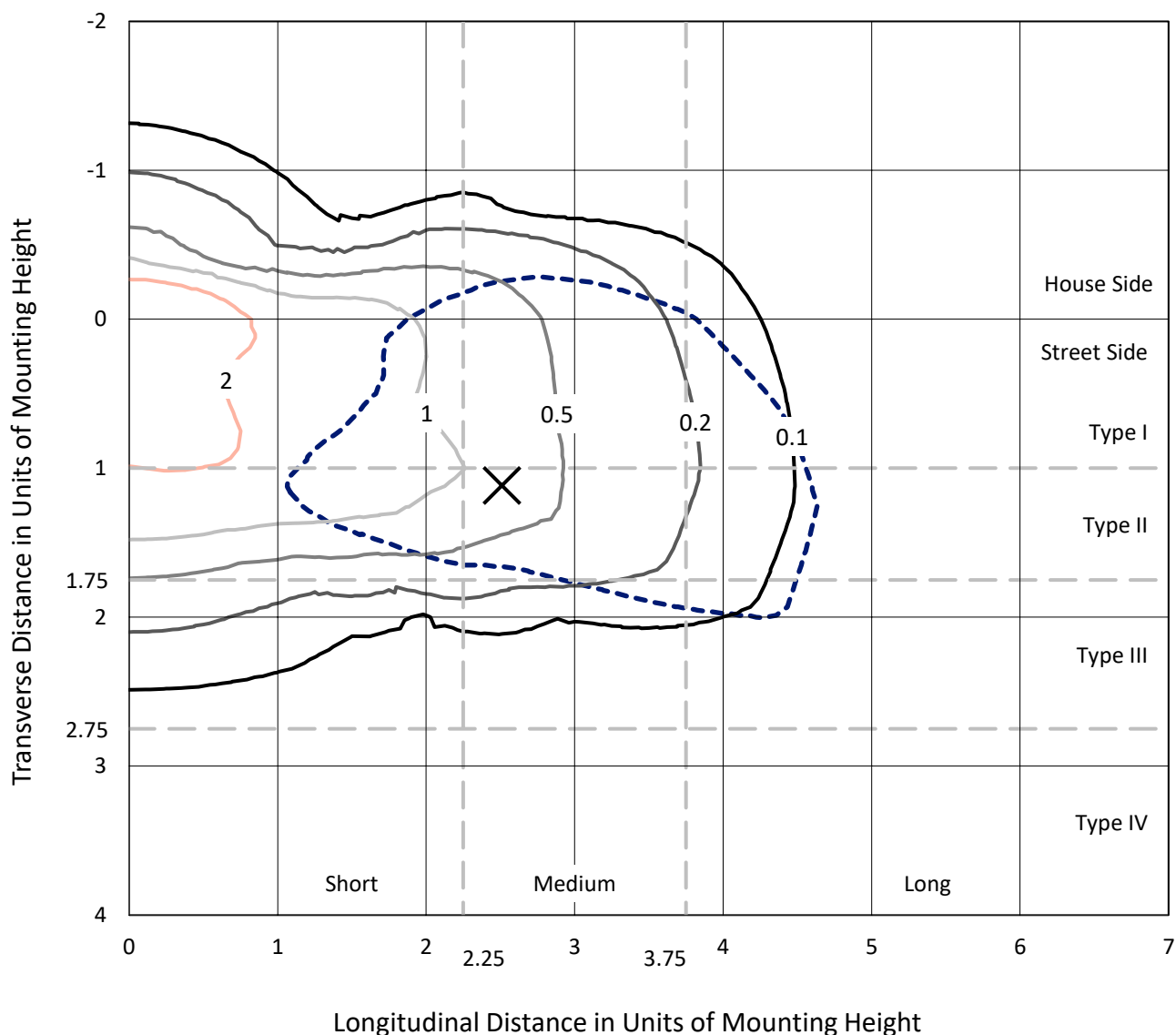
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

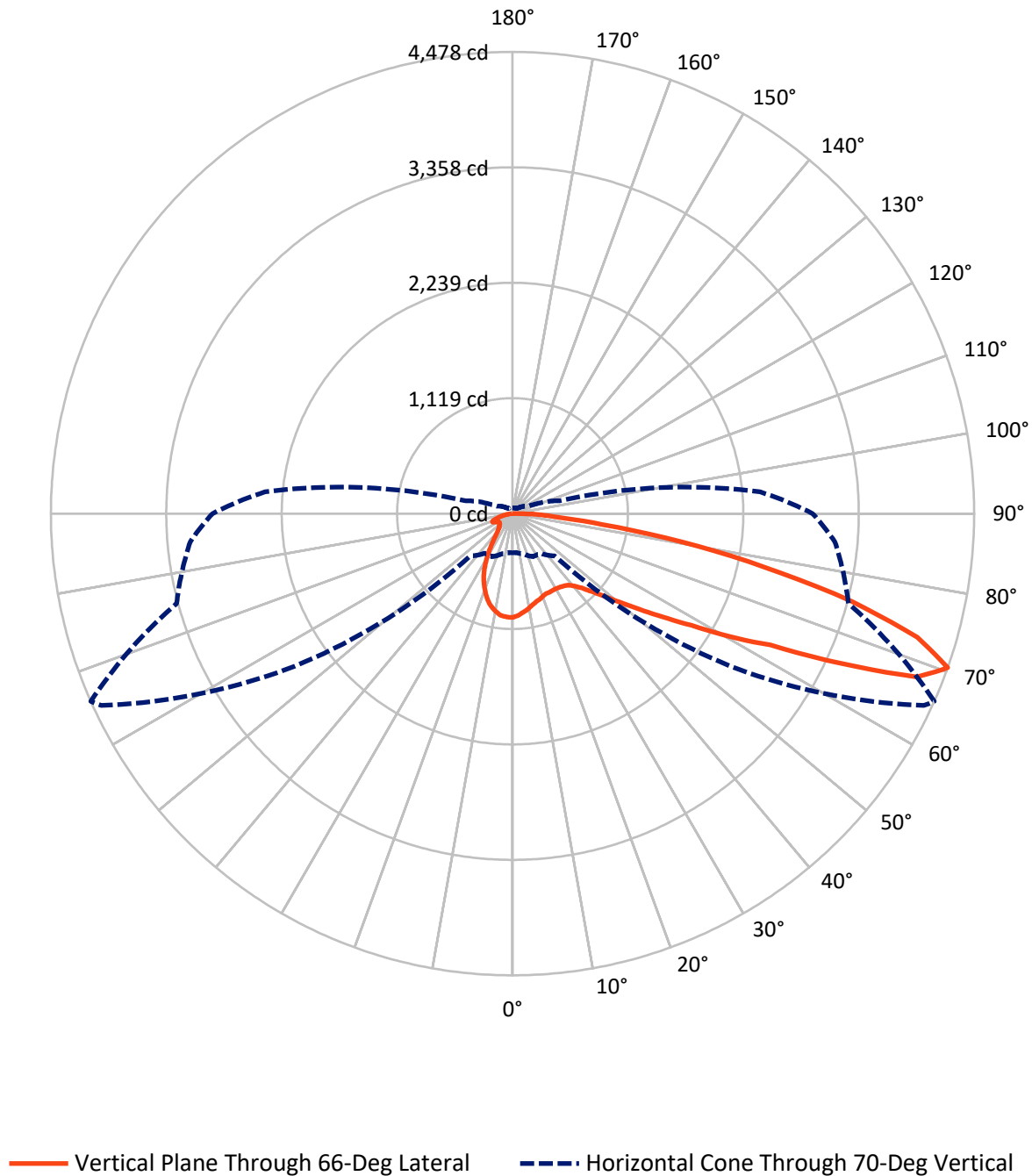


Based on 15 foot mounting height. Maximum calculated value = 4.5 fc

Type III - Medium - N/A

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Luminous Intensity Polar Plot



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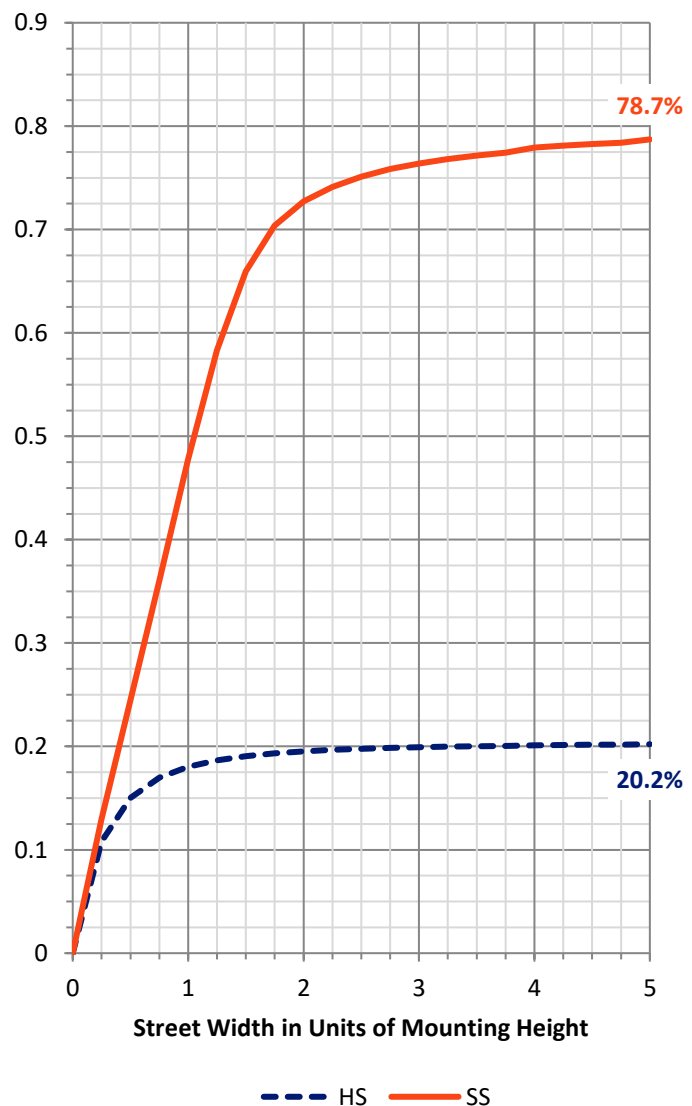
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	930.9	0.0	930.9
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	3617.1	0.0	3617.1
	% Fixture	79.5	0.0	79.5
Total	Lumens	4548.0	0.0	4548.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	2.0
10°-20°	218.7	4.8
20°-30°	300.4	6.6
30°-40°	402.7	8.9
40°-50°	584.3	12.8
50°-60°	888.2	19.5
60°-70°	1096.9	24.1
70°-80°	815.7	17.9
80°-90°	152.1	3.3
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°	4548.0	100.0
0°-180°	4548.0	100.0

Coefficient of Utilization



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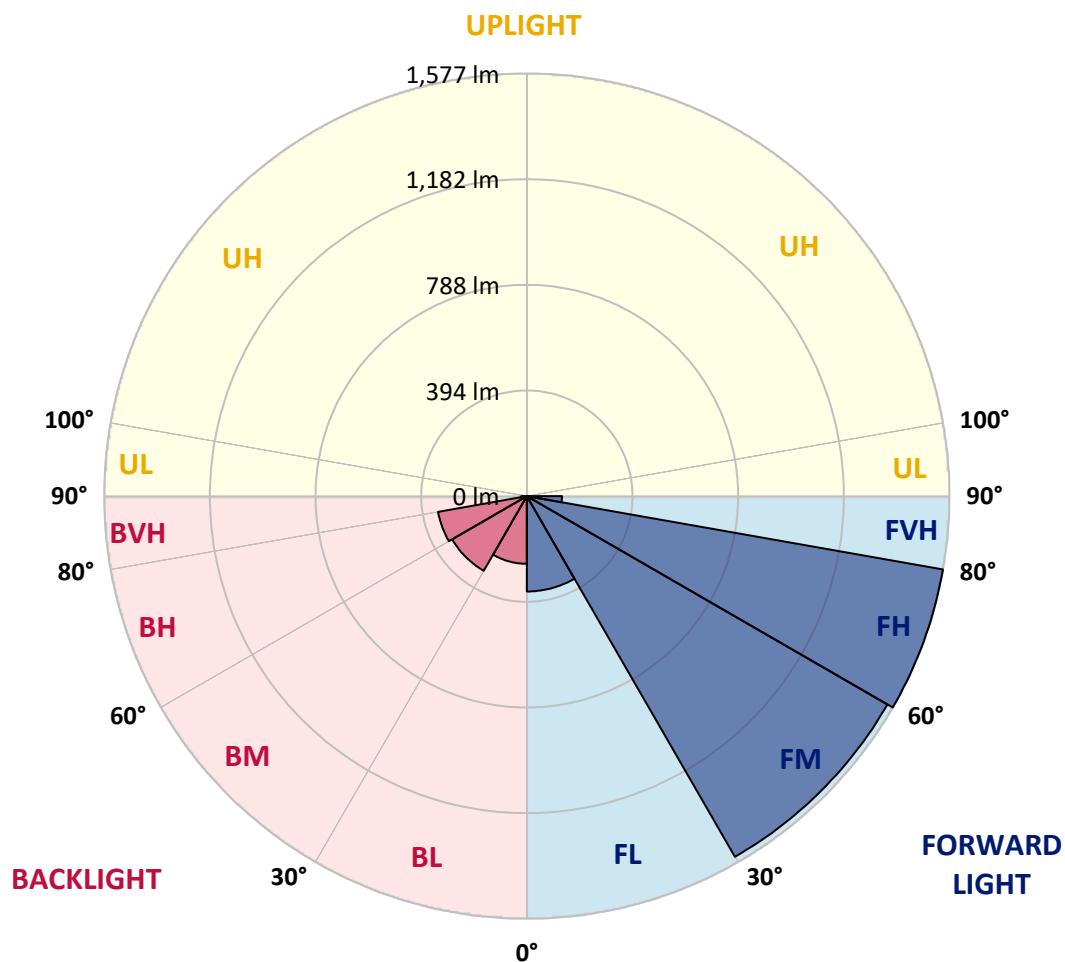
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	355.6	7.8			
FM	(30°-60°)	1553.7	34.2			
FH	(60°-80°)	1576.6	34.7			G1/1800
FVH	(80°-90°)	131.2	2.9			G2/225
BL	(0°-30°)	252.3	5.5	B1/500		
BM	(30°-60°)	321.6	7.1	B1/1000		
BH	(60°-80°)	336.0	7.4	B1/500		G1/500
BVH	(80°-90°)	21.0	0.5			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8
2.5°	955.7	960.8	962.5	965.9	974.3	981.1	991.3	996.3	991.3	998.0	998.0
5°	889.8	883.0	899.9	906.7	916.8	930.4	954.0	972.6	967.6	987.9	1004.8
7.5°	833.9	833.9	839.0	854.2	866.1	886.4	911.8	940.5	949.0	976.0	1001.4
10°	783.2	790.0	790.0	813.6	820.4	844.1	886.4	921.9	923.6	969.3	1004.8
12.5°	756.1	752.7	769.7	776.4	796.7	820.4	854.2	898.2	899.9	949.0	998.0
15°	734.1	737.5	746.0	762.9	781.5	800.1	832.2	872.8	881.3	938.8	994.6
17.5°	735.8	737.5	737.5	749.4	764.6	786.6	817.0	864.4	869.5	925.3	989.6
20°	746.0	739.2	744.3	749.4	759.5	779.8	805.2	845.8	850.9	923.6	1001.4
22.5°	768.0	762.9	761.2	759.5	757.8	769.7	801.8	835.6	840.7	915.1	1006.5
25°	803.5	801.8	790.0	778.1	769.7	769.7	795.0	844.1	842.4	915.1	1009.9
27.5°	845.8	845.8	844.1	822.1	796.7	783.2	800.1	840.7	839.0	915.1	1018.3
30°	903.3	903.3	898.2	877.9	832.2	793.3	803.5	837.3	842.4	908.4	1011.6
32.5°	965.9	964.2	969.3	950.7	903.3	840.7	823.8	844.1	849.2	915.1	1013.2
35°	1011.6	1021.7	1038.6	1021.7	974.3	889.8	852.5	857.6	861.0	916.8	1020.0
37.5°	1064.0	1075.8	1099.5	1113.0	1062.3	964.2	898.2	879.6	879.6	938.8	1021.7
40°	1140.1	1128.3	1168.9	1192.6	1172.3	1055.5	969.3	920.2	921.9	967.6	1043.7
42.5°	1195.9	1207.8	1250.1	1292.4	1267.0	1167.2	1047.1	986.2	986.2	1009.9	1077.5
45°	1258.5	1272.1	1331.3	1382.0	1400.6	1300.8	1153.6	1080.9	1077.5	1092.8	1138.4
47.5°	1327.9	1346.5	1414.1	1473.4	1522.4	1439.5	1290.7	1195.9	1194.2	1206.1	1239.9
50°	1407.4	1414.1	1470.0	1578.2	1676.3	1623.9	1458.1	1358.3	1349.9	1354.9	1400.6
52.5°	1431.1	1426.0	1490.3	1607.0	1786.3	1848.9	1686.5	1542.7	1539.3	1527.5	1586.7
55°	1344.8	1361.7	1424.3	1573.2	1875.9	2114.5	1936.8	1794.7	1764.3	1732.2	1803.2
57.5°	1172.3	1173.9	1245.0	1420.9	1806.6	2334.4	2361.4	2041.7	2043.4	1957.1	2038.3
60°	911.8	906.7	962.5	1121.5	1608.7	2402.0	2824.9	2435.9	2418.9	2182.1	2256.5
62.5°	658.0	647.9	659.7	752.7	1202.7	2298.8	3279.9	2877.4	2806.3	2412.2	2469.7
65°	541.3	546.4	551.4	556.5	674.9	1896.2	3420.3	3598.0	3503.2	2681.1	2704.8
67.5°	448.3	451.6	473.6	504.1	500.7	1119.8	3258.0	4264.4	4228.9	3014.4	2907.8
70°	380.6	378.9	404.3	460.1	468.6	581.9	2579.6	4401.4	4477.6	3373.0	3137.9
72.5°	304.5	307.9	329.9	404.3	460.1	490.6	1485.2	4107.1	4105.4	3648.7	3014.4
75°	218.2	218.2	248.7	334.9	444.9	485.5	822.1	3334.1	3396.7	3428.8	2615.2
77.5°	143.8	150.5	174.2	250.4	417.8	475.3	521.0	2424.0	2501.8	2564.4	2001.1
80°	98.1	101.5	116.7	174.2	353.5	478.7	426.3	1630.7	1661.1	1415.8	812.0
82.5°	59.2	60.9	77.8	121.8	253.7	455.0	400.9	899.9	881.3	428.0	233.4
85°	32.1	33.8	49.1	81.2	167.5	397.5	394.1	441.5	411.1	157.3	98.1
87.5°	11.8	11.8	22.0	40.6	96.4	272.3	343.4	262.2	245.3	79.5	45.7
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°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8
2.5°	1006.5	1006.5	1006.5	1006.5	1004.8	998.0	1003.1	1001.4	991.3	992.9	986.2
5°	1003.1	1011.6	1006.5	999.7	991.3	971.0	964.2	959.1	945.6	940.5	945.6
7.5°	1011.6	1004.8	1001.4	989.6	955.7	937.1	913.4	884.7	864.4	859.3	864.4
10°	1009.9	1009.9	994.6	960.8	928.7	874.5	844.1	793.3	764.6	756.1	757.8
12.5°	1003.1	1008.2	984.5	930.4	869.5	803.5	747.7	693.5	642.8	622.5	619.1
15°	1009.9	1004.8	962.5	893.1	808.6	717.2	636.0	556.5	509.2	478.7	471.9
17.5°	999.7	994.6	933.7	842.4	729.1	612.3	510.9	424.6	377.2	365.4	365.4
20°	1011.6	979.4	899.9	781.5	646.2	497.3	382.3	318.0	306.2	306.2	309.6
22.5°	1009.9	976.0	871.2	722.3	546.4	375.5	284.2	265.6	267.3	280.8	279.1
25°	999.7	969.3	830.6	656.3	441.5	282.5	235.1	230.1	241.9	257.1	255.4
27.5°	998.0	950.7	793.3	578.5	336.6	223.3	204.7	204.7	216.5	230.1	228.4
30°	987.9	935.4	747.7	490.6	253.7	194.5	187.8	187.8	192.8	199.6	199.6
32.5°	986.2	915.1	696.9	399.2	203.0	175.9	172.5	174.2	174.2	177.6	175.9
35°	972.6	888.1	644.5	309.6	175.9	165.8	162.4	160.7	160.7	159.0	159.0
37.5°	967.6	871.2	590.4	240.2	164.1	157.3	153.9	148.9	147.2	147.2	145.5
40°	972.6	854.2	537.9	194.5	153.9	150.5	145.5	138.7	137.0	137.0	137.0
42.5°	991.3	852.5	483.8	169.2	148.9	143.8	137.0	130.3	128.6	130.3	128.6
45°	1033.5	866.1	431.3	157.3	142.1	137.0	128.6	123.5	121.8	123.5	123.5
47.5°	1102.9	903.3	384.0	150.5	137.0	130.3	121.8	116.7	116.7	116.7	116.7
50°	1217.9	974.3	338.3	145.5	133.6	125.2	116.7	110.0	108.3	108.3	110.0
52.5°	1390.5	1096.1	301.1	142.1	128.6	118.4	110.0	104.9	101.5	99.8	101.5
55°	1598.5	1273.7	289.3	138.7	121.8	113.3	104.9	98.1	94.7	94.7	93.0
57.5°	1821.8	1470.0	309.6	135.3	116.7	106.6	98.1	91.3	88.0	86.3	86.3
60°	2063.7	1701.7	384.0	133.6	111.6	99.8	91.3	86.3	81.2	79.5	79.5
62.5°	2283.6	1911.5	517.6	131.9	108.3	93.0	84.6	77.8	74.4	72.7	72.7
65°	2534.0	2144.9	647.9	138.7	106.6	88.0	77.8	71.0	67.7	66.0	66.0
67.5°	2752.2	2347.9	724.0	155.6	111.6	81.2	69.4	64.3	62.6	60.9	60.9
70°	2911.2	2410.5	485.5	170.8	120.1	76.1	62.6	59.2	55.8	55.8	55.8
72.5°	2698.0	2151.7	287.6	160.7	113.3	71.0	55.8	52.4	50.7	50.7	49.1
75°	2307.3	1832.0	221.6	130.3	91.3	60.9	49.1	45.7	44.0	44.0	42.3
77.5°	1703.4	1312.7	164.1	103.2	71.0	49.1	42.3	40.6	38.9	37.2	37.2
80°	666.5	575.1	111.6	76.1	52.4	38.9	35.5	33.8	32.1	30.4	30.4
82.5°	206.4	174.2	64.3	50.7	37.2	30.4	28.8	27.1	25.4	23.7	23.7
85°	89.7	86.3	42.3	32.1	25.4	20.3	20.3	18.6	16.9	15.2	15.2
87.5°	44.0	42.3	23.7	15.2	13.5	10.1	10.1	8.5	6.8	6.8	6.8
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)