

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: P675259

Luminaire Tested: **CCW-SA-1E-735-U-T4W**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675259
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-735-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T4W distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

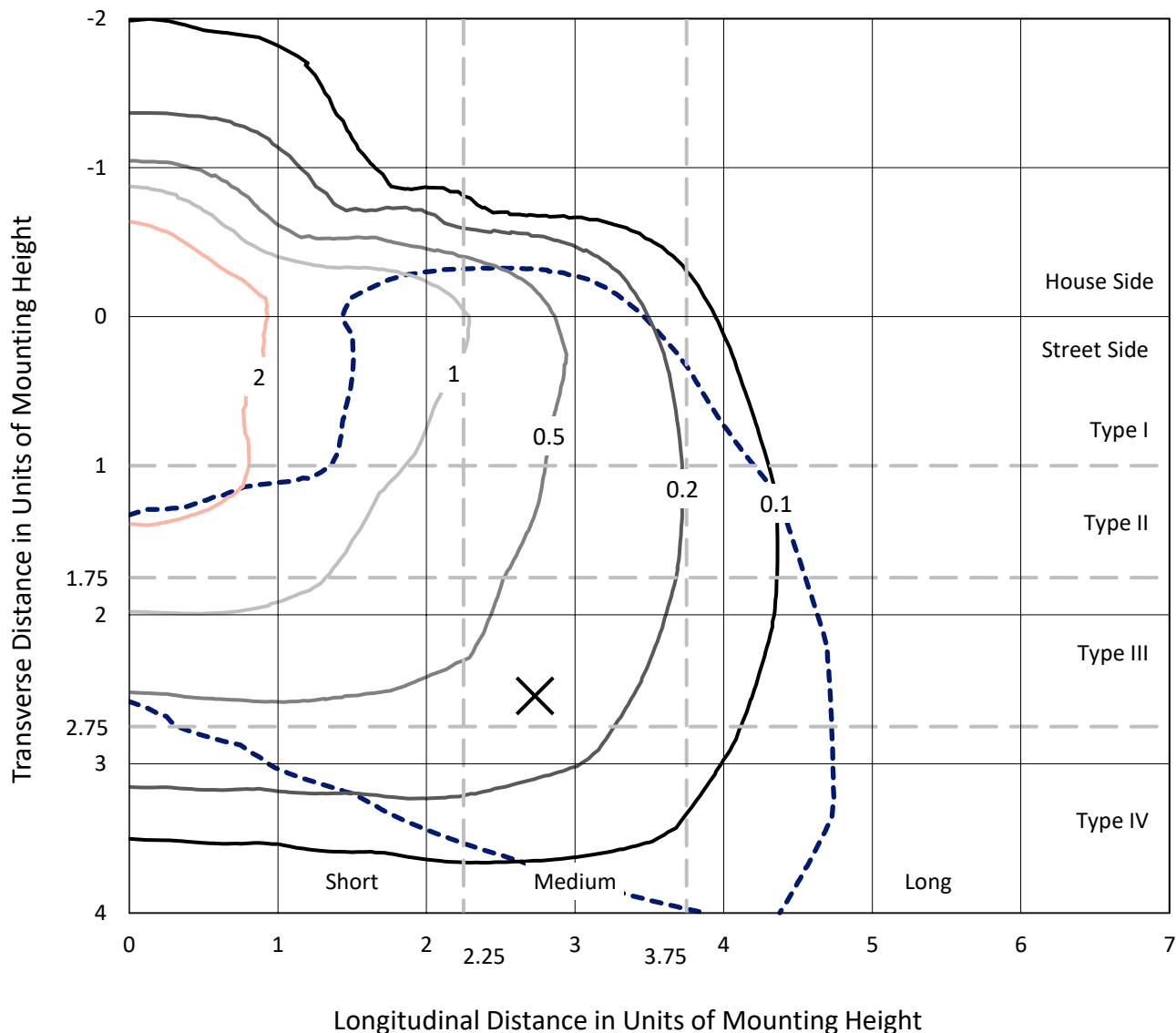
Lumens per Lamp: N/A
Luminaire Lumens: 6802.9 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (A_{in}): 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

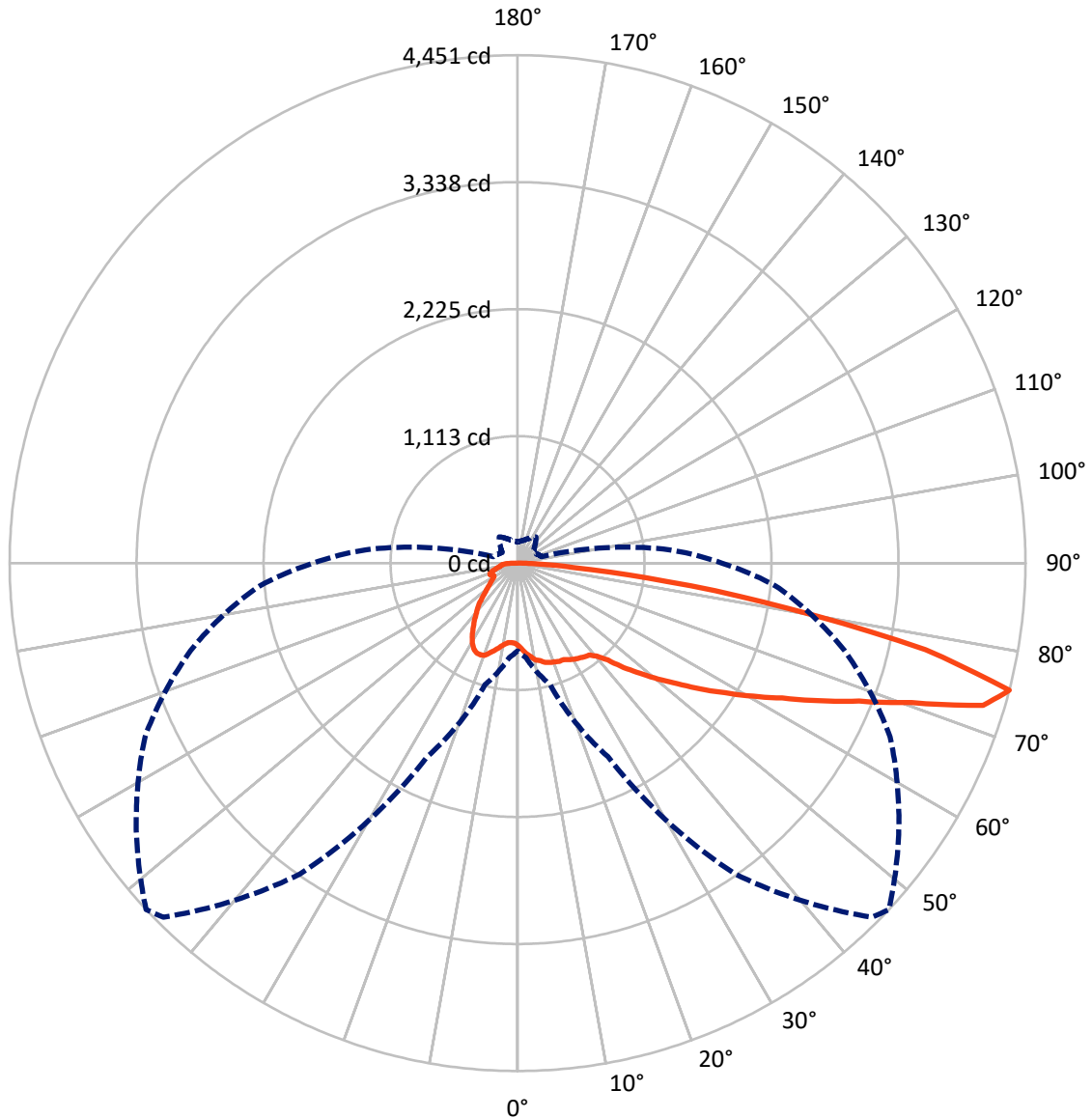
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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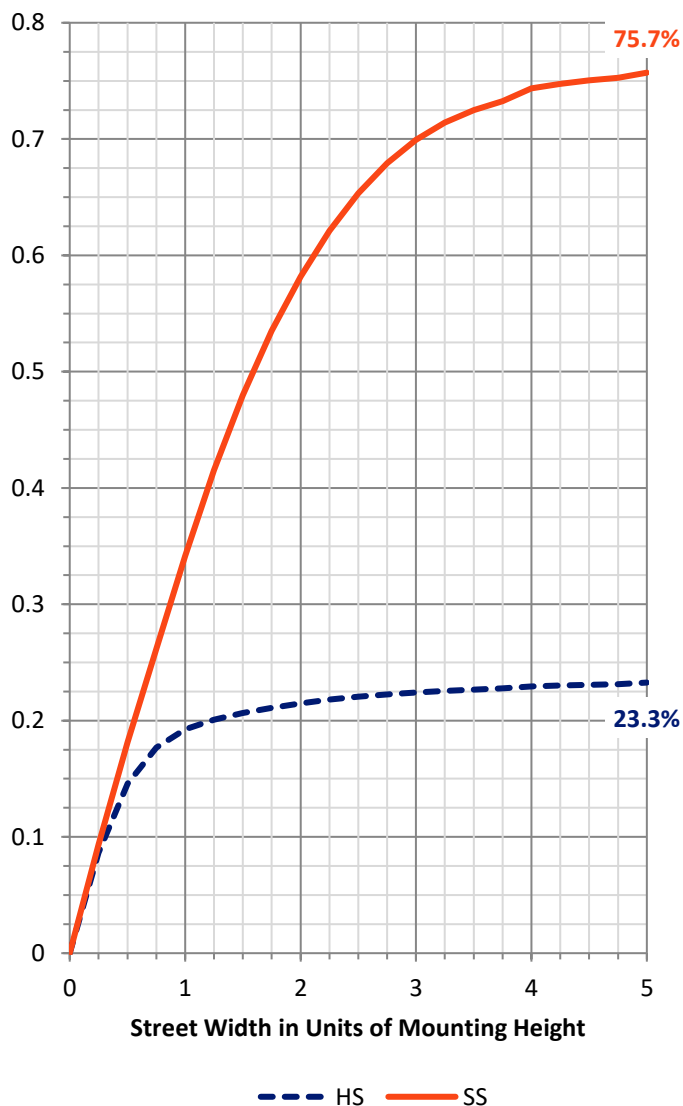
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1626.9	0.0	1626.9
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5176.0	0.0	5176.0
	% Fixture	76.1	0.0	76.1
Total	Lumens	6802.9	0.0	6802.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.0	1.1
10°-20°	242.5	3.6
20°-30°	415.3	6.1
30°-40°	581.2	8.5
40°-50°	810.3	11.9
50°-60°	1211.2	17.8
60°-70°	1746.2	25.7
70°-80°	1486.4	21.8
80°-90°	236.8	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°	6802.9	100.0
0°-180°	6802.9	100.0

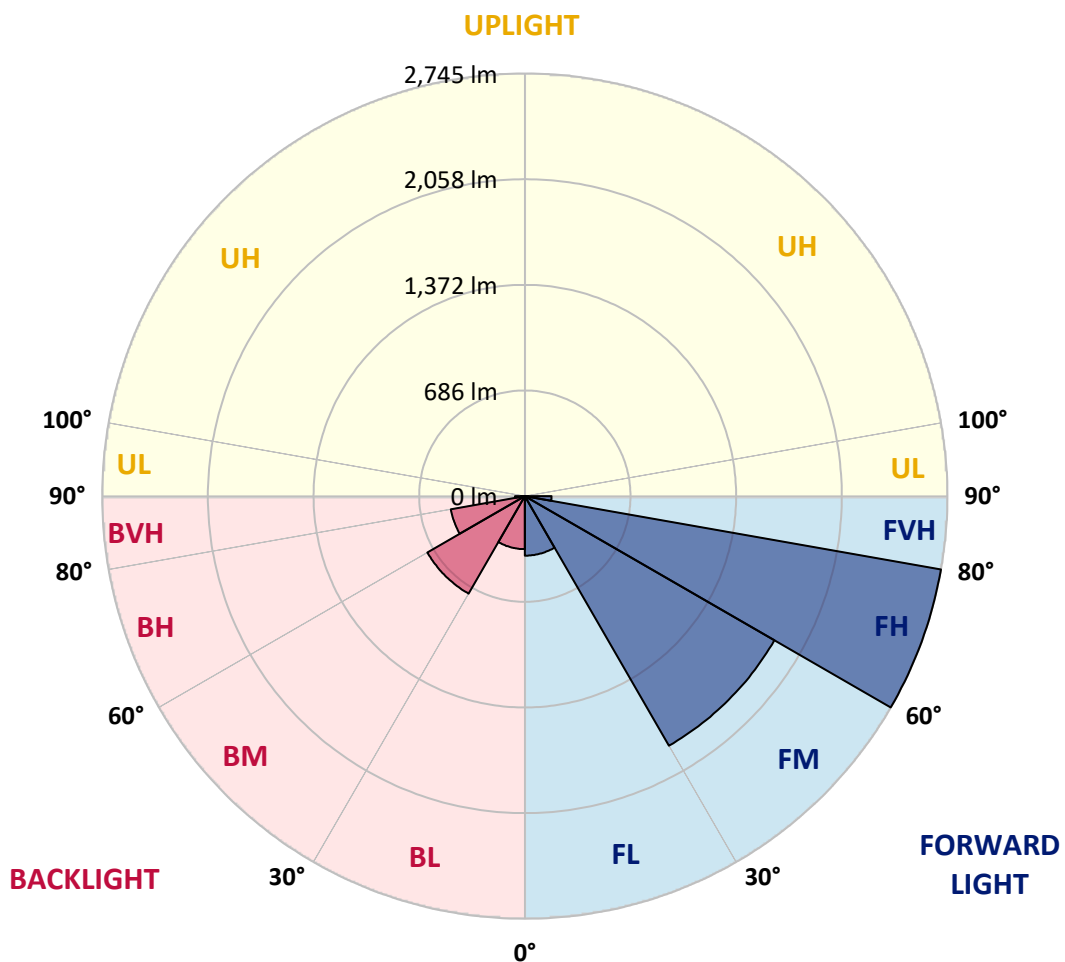


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	386.5	5.7			
FM (30°-60°)	1871.4	27.5			
FH (60°-80°)	2744.5	40.3			G2/5000
FVH (80°-90°)	173.5	2.6			G2/225
BL (0°-30°)	344.3	5.1	B1/500		
BM (30°-60°)	731.2	10.7	B1/1000		
BH (60°-80°)	488.1	7.2	B1/500		G1/500
BVH (80°-90°)	63.3	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°	722.3	722.3	722.3	722.3	722.3	722.3	722.3	722.3	722.3	722.3	722.3
2.5°	774.4	776.9	776.9	772.0	767.0	757.1	757.1	747.1	742.2	729.8	724.8
5°	846.4	839.0	831.5	829.1	816.6	799.3	796.8	786.9	759.6	747.1	729.8
7.5°	898.6	896.1	893.6	883.7	861.3	834.0	826.6	811.7	784.4	759.6	739.7
10°	940.8	950.7	940.8	918.4	896.1	866.3	863.8	836.5	811.7	781.9	757.1
12.5°	987.9	990.4	973.0	945.7	911.0	886.1	876.2	866.3	839.0	814.2	776.9
15°	1020.2	1015.2	1002.8	965.6	925.9	901.0	903.5	891.1	861.3	843.9	804.2
17.5°	1020.2	1020.2	1000.3	973.0	938.3	915.9	915.9	908.5	888.6	863.8	836.5
20°	1000.3	1000.3	987.9	973.0	933.3	928.3	923.4	918.4	918.4	896.1	856.4
22.5°	975.5	970.5	975.5	950.7	923.4	928.3	935.8	933.3	925.9	906.0	878.7
25°	950.7	953.2	958.1	940.8	915.9	938.3	935.8	948.2	943.2	928.3	906.0
27.5°	948.2	953.2	955.6	938.3	928.3	948.2	958.1	970.5	973.0	958.1	930.8
30°	985.4	983.0	980.5	958.1	950.7	968.1	978.0	995.4	1010.3	978.0	955.6
32.5°	1082.2	1067.3	1052.5	992.9	970.5	983.0	992.9	1017.7	1020.2	1002.8	970.5
35°	1236.1	1226.2	1176.6	1072.3	1010.3	997.8	1007.8	1025.1	1030.1	1017.7	992.9
37.5°	1412.4	1407.4	1337.9	1211.3	1092.2	1032.6	1022.7	1047.5	1067.3	1040.0	1005.3
40°	1586.1	1566.3	1516.6	1392.5	1196.4	1084.7	1072.3	1084.7	1092.2	1072.3	1050.0
42.5°	1742.5	1720.2	1707.8	1583.6	1332.9	1171.6	1161.7	1131.9	1154.2	1129.4	1099.6
45°	1874.1	1869.1	1864.1	1757.4	1489.3	1313.1	1305.6	1228.7	1253.5	1233.7	1191.5
47.5°	1968.4	1990.7	1983.3	1923.7	1668.0	1464.5	1442.2	1342.9	1380.1	1360.2	1318.0
50°	2080.1	2092.5	2085.0	2045.3	1834.3	1638.3	1596.1	1494.3	1536.5	1534.0	1511.7
52.5°	2179.4	2216.6	2174.4	2171.9	2072.6	1826.9	1754.9	1658.1	1727.6	1754.9	1752.4
55°	2296.0	2325.8	2313.4	2308.4	2286.1	2010.6	1946.0	1829.4	1946.0	1985.8	2020.5
57.5°	2395.3	2392.8	2440.0	2497.1	2524.4	2221.6	2144.6	2008.1	2184.3	2229.0	2325.8
60°	2440.0	2482.2	2561.6	2705.6	2782.5	2447.5	2368.0	2258.8	2425.1	2459.9	2638.6
62.5°	2469.8	2507.0	2660.9	2904.2	2948.9	2678.3	2603.8	2494.6	2688.2	2713.0	2978.6
65°	2387.9	2422.6	2727.9	2978.6	3137.5	2926.5	2909.1	2795.0	2951.3	2966.2	3336.1
67.5°	2293.6	2330.8	2670.8	3073.0	3388.2	3256.6	3229.3	3092.8	3212.0	3194.6	3609.1
70°	2127.2	2176.9	2524.4	3154.9	3666.2	3718.3	3663.7	3470.1	3482.5	3318.7	3621.5
72.5°	1620.9	1653.1	1975.8	2829.7	3795.3	4358.7	4264.4	3877.2	3735.7	3343.5	3197.1
75°	769.5	829.1	1102.1	1871.6	3326.1	4388.5	4450.6	4078.3	3601.7	2966.2	2266.2
77.5°	223.4	223.4	335.1	794.3	2085.0	3537.1	3653.8	3462.7	2971.2	2196.7	1191.5
80°	121.6	129.1	176.2	280.5	915.9	2231.5	2400.3	2296.0	1750.0	868.8	307.8
82.5°	69.5	72.0	116.7	168.8	417.0	1213.8	1313.1	1191.5	665.2	263.1	144.0
85°	39.7	42.2	67.0	111.7	248.2	446.8	486.5	422.0	268.1	176.2	72.0
87.5°	19.9	19.9	32.3	52.1	126.6	126.6	124.1	151.4	161.3	106.7	32.3
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°	722.3	722.3	722.3	722.3	722.3	722.3	722.3	722.3	722.3	722.3	722.3
2.5°	722.3	719.8	719.8	709.9	707.4	700.0	700.0	695.0	692.5	700.0	700.0
5°	724.8	712.4	709.9	700.0	702.5	697.5	707.4	702.5	700.0	700.0	697.5
7.5°	729.8	717.4	707.4	700.0	697.5	704.9	717.4	717.4	732.2	724.8	724.8
10°	742.2	734.7	722.3	717.4	717.4	724.8	739.7	749.6	762.0	762.0	754.6
12.5°	772.0	759.6	744.7	737.2	747.1	754.6	769.5	779.4	794.3	799.3	794.3
15°	794.3	781.9	776.9	772.0	779.4	789.3	801.8	811.7	829.1	834.0	831.5
17.5°	824.1	809.2	806.7	809.2	814.2	821.6	829.1	836.5	848.9	848.9	848.9
20°	839.0	834.0	831.5	839.0	848.9	858.8	853.9	848.9	846.4	851.4	848.9
22.5°	866.3	861.3	863.8	871.3	871.3	866.3	858.8	841.5	836.5	841.5	836.5
25°	891.1	886.1	886.1	881.2	878.7	861.3	846.4	831.5	814.2	821.6	819.1
27.5°	915.9	913.4	913.4	893.6	868.8	839.0	819.1	801.8	791.8	804.2	796.8
30°	945.7	948.2	935.8	888.6	829.1	796.8	774.4	772.0	769.5	776.9	774.4
32.5°	973.0	975.5	955.6	881.2	799.3	737.2	714.9	717.4	729.8	742.2	754.6
35°	987.9	1000.3	975.5	856.4	739.7	670.2	645.4	667.7	690.1	707.4	719.8
37.5°	1015.2	1047.5	1005.3	829.1	687.6	610.6	593.2	600.7	628.0	655.3	667.7
40°	1054.9	1092.2	1012.7	776.9	618.1	551.0	541.1	543.6	553.5	570.9	583.3
42.5°	1124.4	1164.2	1020.2	709.9	548.6	513.8	486.5	479.1	471.6	471.6	469.1
45°	1226.2	1263.4	1010.3	625.5	479.1	454.2	434.4	417.0	397.2	364.9	369.8
47.5°	1375.1	1404.9	1017.7	551.0	414.5	394.7	379.8	359.9	330.1	295.4	292.9
50°	1601.0	1556.3	1007.8	474.1	367.4	350.0	337.6	310.3	275.5	250.7	248.2
52.5°	1864.1	1774.8	997.8	409.6	327.7	312.8	302.8	273.0	240.8	228.4	225.9
55°	2181.9	2052.8	1012.7	352.5	297.9	285.5	275.5	248.2	223.4	213.5	211.0
57.5°	2556.7	2353.1	1094.7	307.8	265.6	260.6	258.1	235.8	213.5	206.0	203.5
60°	2909.1	2641.1	1149.3	275.5	235.8	240.8	245.7	235.8	211.0	206.0	206.0
62.5°	3204.5	2879.4	1062.4	248.2	220.9	235.8	258.1	250.7	240.8	245.7	240.8
65°	3465.2	2961.3	794.3	233.3	213.5	248.2	285.5	283.0	260.6	265.6	263.1
67.5°	3509.8	2862.0	518.8	220.9	208.5	273.0	320.2	290.4	245.7	245.7	238.3
70°	3323.7	2596.4	347.5	208.5	206.0	273.0	327.7	273.0	230.8	230.8	220.9
72.5°	2727.9	2075.1	268.1	196.1	188.6	243.3	310.3	258.1	216.0	211.0	193.6
75°	1792.1	1337.9	218.4	186.2	163.8	213.5	280.5	238.3	206.0	191.1	183.7
77.5°	878.7	600.7	183.7	163.8	141.5	186.2	255.7	225.9	193.6	178.7	173.8
80°	240.8	216.0	153.9	144.0	119.1	161.3	240.8	216.0	181.2	166.3	158.9
82.5°	136.5	134.0	124.1	116.7	99.3	161.3	243.3	216.0	171.3	168.8	144.0
85°	74.5	79.4	89.4	86.9	76.9	144.0	230.8	188.6	139.0	116.7	116.7
87.5°	29.8	37.2	44.7	49.6	52.1	106.7	173.8	144.0	106.7	89.4	89.4
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)