

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: P674829

Luminaire Tested: **CCW-SA-2A-735-U-T2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674829
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-735-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T2 distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

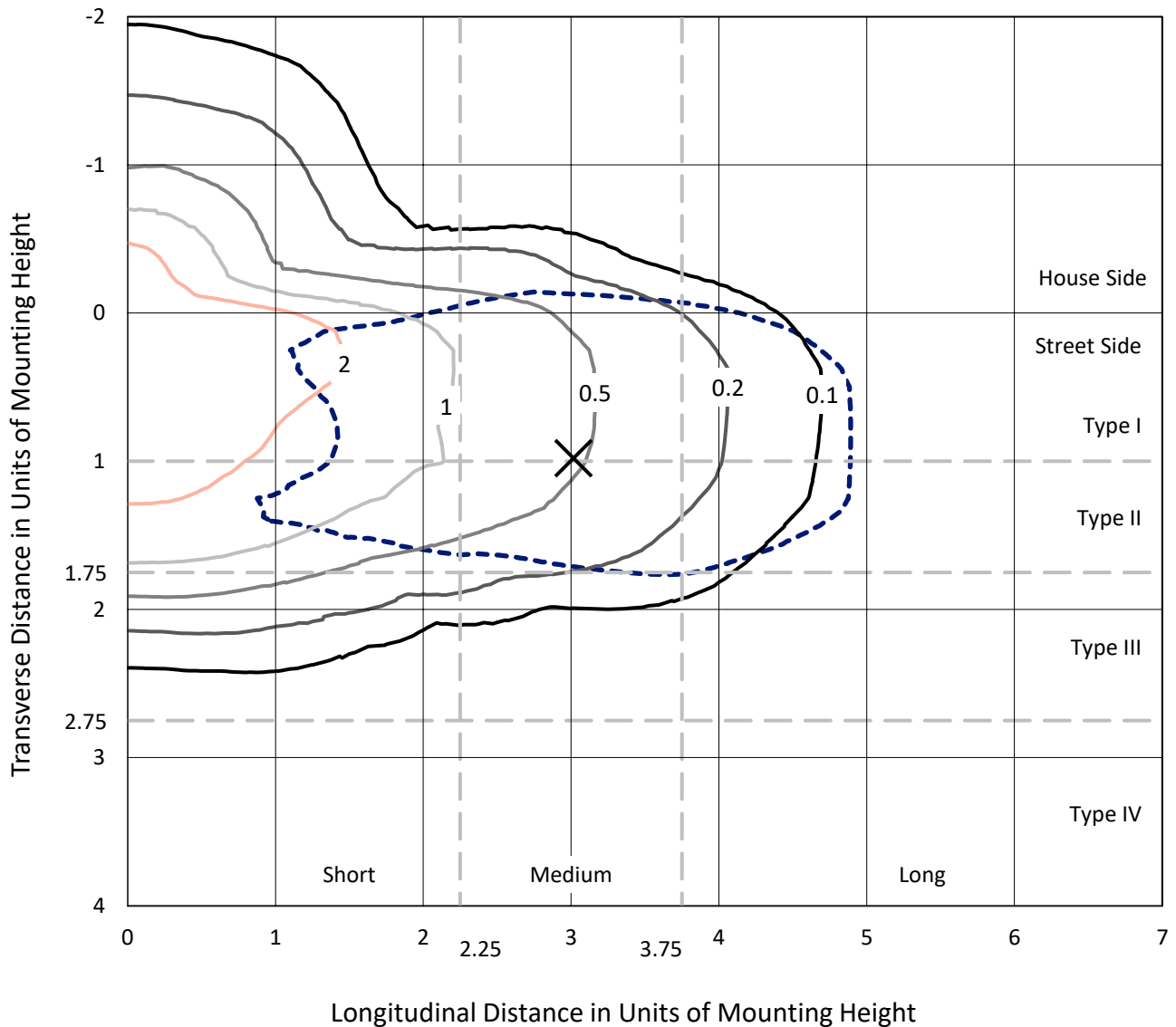
Lumens per Lamp: N/A
Luminaire Lumens: 5383.2 lumens
Efficiency: N/A
Efficacy: 148.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2
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

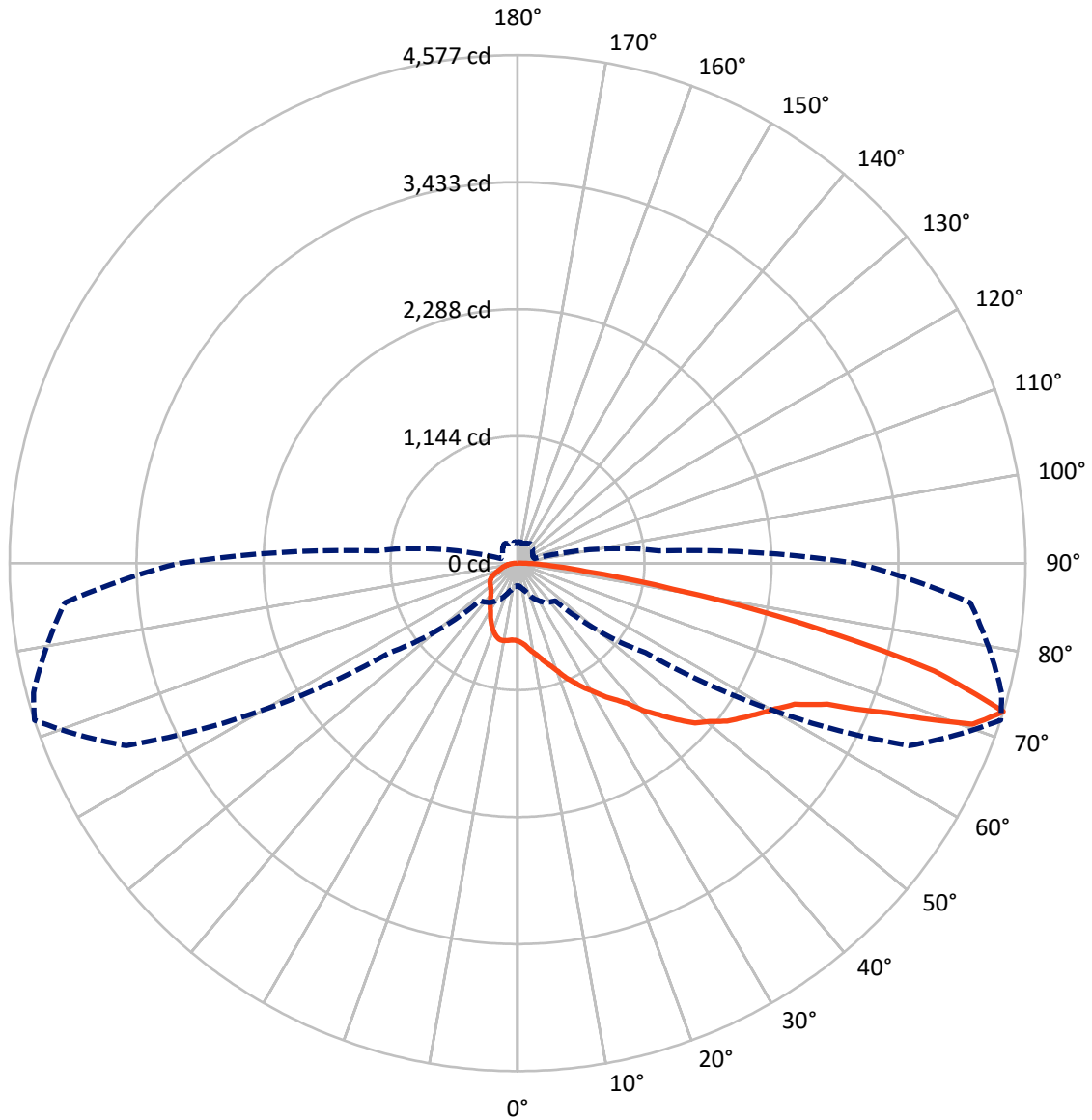
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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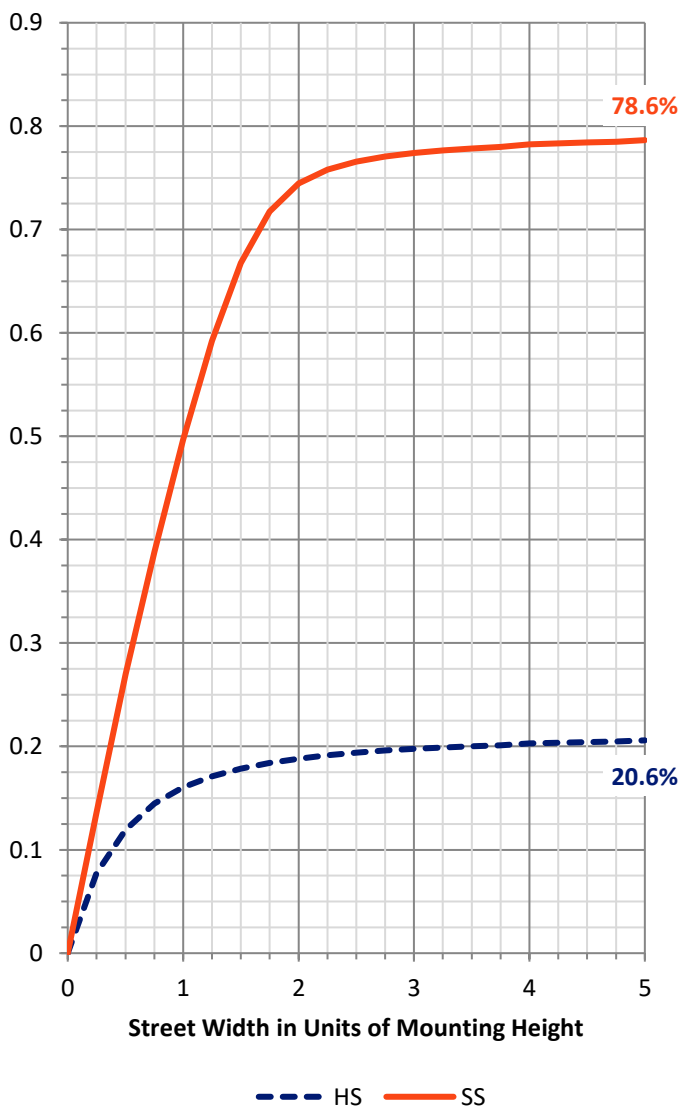
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1132.9	0.0	1132.9
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	4250.3	0.0	4250.3
	% Fixture	79.0	0.0	79.0
Total	Lumens	5383.2	0.0	5383.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.5	1.3
10°-20°	216.0	4.0
20°-30°	373.8	6.9
30°-40°	552.2	10.3
40°-50°	821.1	15.3
50°-60°	1125.7	20.9
60°-70°	1221.0	22.7
70°-80°	860.8	16.0
80°-90°	143.0	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°	5383.2	100.0
0°-180°	5383.2	100.0



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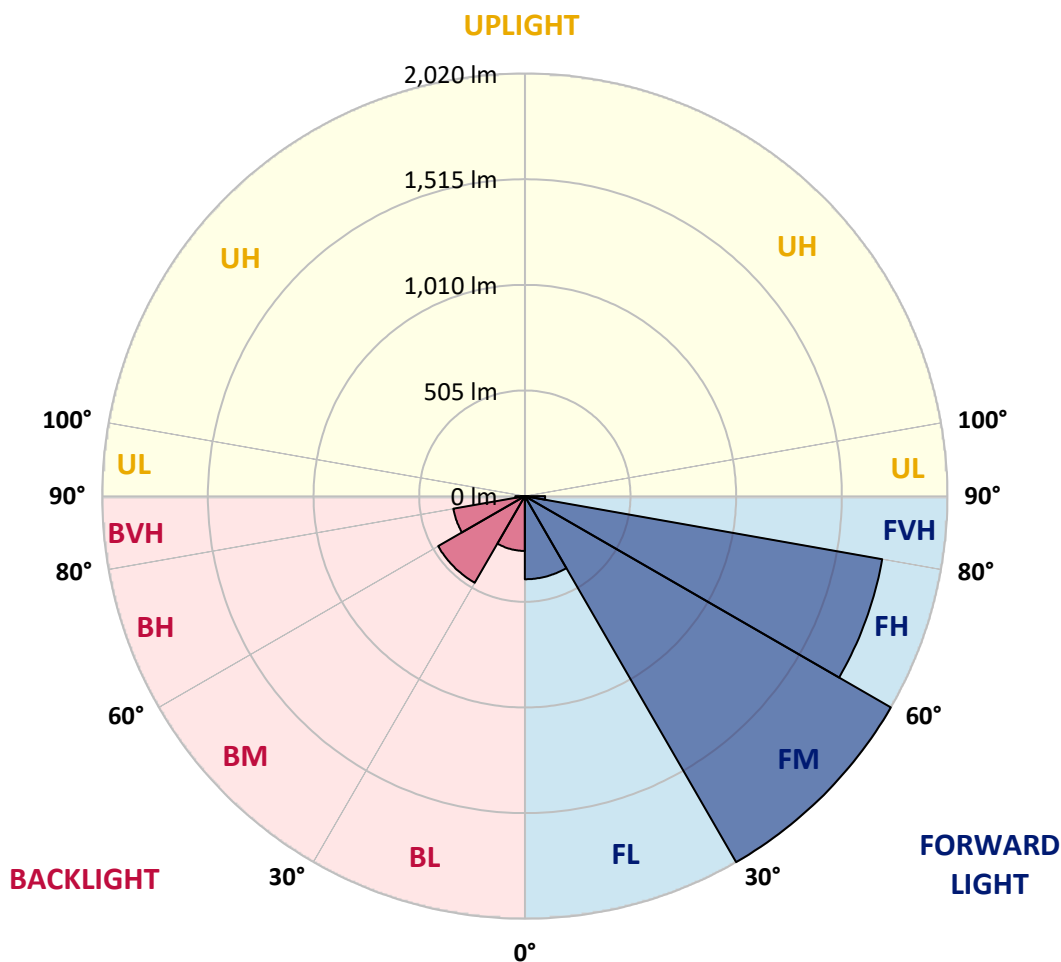
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	397.5	7.4			
FM (30°-60°)	2020.4	37.5			
FH (60°-80°)	1734.8	32.2			G1/1800
FVH (80°-90°)	97.5	1.8			G1/100
BL (0°-30°)	261.9	4.9	B1/500		
BM (30°-60°)	478.5	8.9	B1/1000		
BH (60°-80°)	347.0	6.4	B1/500		G1/500
BVH (80°-90°)	45.5	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°	703.2	703.2	703.2	703.2	703.2	703.2	703.2	703.2	703.2	703.2	703.2
2.5°	758.8	758.8	752.9	750.9	750.9	735.0	737.0	727.0	719.1	719.1	711.1
5°	798.5	794.6	794.6	794.6	784.6	778.7	776.7	758.8	744.9	746.9	723.1
7.5°	808.5	810.5	812.4	822.4	816.4	820.4	816.4	796.6	786.6	776.7	754.8
10°	814.4	818.4	818.4	832.3	832.3	842.2	848.2	840.3	822.4	812.4	776.7
12.5°	828.3	822.4	830.3	840.3	850.2	868.1	885.9	878.0	866.1	854.2	814.4
15°	828.3	830.3	836.3	852.2	868.1	885.9	917.7	929.6	923.7	901.8	860.1
17.5°	804.5	798.5	826.4	856.2	885.9	907.8	949.5	977.3	973.4	965.4	901.8
20°	806.5	812.4	822.4	848.2	895.9	935.6	987.3	1032.9	1042.9	1038.9	957.5
22.5°	842.2	844.2	854.2	866.1	903.8	955.5	1032.9	1106.4	1124.3	1114.4	1019.0
25°	878.0	893.9	893.9	901.8	915.7	969.4	1062.7	1166.0	1191.9	1193.8	1082.6
27.5°	935.6	939.6	951.5	955.5	967.4	999.2	1096.5	1209.7	1269.3	1261.4	1140.2
30°	1003.1	1005.1	1013.1	1009.1	1011.1	1050.8	1128.3	1259.4	1340.8	1342.8	1201.8
32.5°	1082.6	1098.5	1102.5	1076.6	1080.6	1090.6	1178.0	1319.0	1430.2	1416.3	1255.4
35°	1199.8	1205.8	1193.8	1181.9	1152.1	1146.2	1229.6	1378.6	1507.7	1523.6	1334.9
37.5°	1344.8	1360.7	1344.8	1281.2	1249.5	1225.6	1293.2	1444.1	1601.1	1654.7	1414.3
40°	1479.9	1477.9	1462.0	1404.4	1348.8	1330.9	1384.5	1535.5	1746.1	1797.7	1529.6
42.5°	1589.1	1583.2	1573.3	1529.6	1477.9	1448.1	1489.8	1630.9	1867.2	1966.6	1662.6
45°	1684.5	1676.5	1678.5	1628.9	1579.2	1595.1	1595.1	1740.1	2010.3	2133.4	1815.6
47.5°	1773.9	1777.9	1771.9	1734.2	1696.4	1738.1	1716.3	1865.3	2151.3	2288.4	1944.7
50°	1877.2	1885.1	1865.3	1841.4	1807.7	1849.4	1821.6	1982.5	2242.7	2429.4	2099.7
52.5°	1974.5	1982.5	2000.3	1970.5	1936.8	1970.5	1907.0	2091.7	2363.9	2566.5	2218.8
55°	1998.3	1994.4	2093.7	2125.5	2143.4	2042.1	1982.5	2185.1	2459.2	2653.9	2353.9
57.5°	1889.1	1899.0	2034.1	2125.5	2316.2	2228.8	2067.9	2294.3	2558.5	2769.1	2479.1
60°	1617.0	1622.9	1791.8	2008.3	2286.4	2403.6	2298.3	2435.4	2667.8	2866.4	2620.1
62.5°	1080.6	1126.3	1336.9	1676.5	2075.8	2451.3	2665.8	2673.7	2800.9	2989.6	2812.8
65°	570.1	592.0	756.8	1031.0	1573.3	2286.4	3011.4	3146.5	3067.0	3216.0	3090.9
67.5°	373.4	381.4	470.8	625.7	907.8	1668.6	3051.2	3966.9	3601.4	3647.1	3535.8
70°	278.1	282.1	347.6	462.8	562.2	891.9	2500.9	4350.3	4348.3	4227.1	4064.2
72.5°	204.6	210.6	256.2	353.6	433.0	480.7	1406.4	3891.4	4576.7	4515.2	4096.0
75°	160.9	164.9	188.7	274.1	349.6	315.8	713.1	2882.3	3881.5	4177.5	3748.4
77.5°	131.1	135.1	149.0	198.6	280.1	244.3	341.7	1859.3	2632.0	3007.5	2868.4
80°	109.3	109.3	119.2	141.0	216.5	184.7	202.6	1044.9	1418.3	1565.3	1301.1
82.5°	93.4	91.4	99.3	103.3	160.9	133.1	131.1	472.8	623.7	661.5	488.7
85°	59.6	61.6	93.4	89.4	105.3	91.4	73.5	224.5	294.0	300.0	182.8
87.5°	23.8	23.8	39.7	49.7	59.6	55.6	35.8	101.3	129.1	129.1	51.6
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°	703.2	703.2	703.2	703.2	703.2	703.2	703.2	703.2	703.2	703.2	703.2
2.5°	709.2	701.2	695.3	691.3	681.3	671.4	673.4	671.4	663.5	659.5	659.5
5°	717.1	709.2	699.2	683.3	673.4	661.5	665.5	657.5	649.6	655.5	645.6
7.5°	737.0	723.1	709.2	685.3	669.4	651.5	643.6	639.6	633.7	629.7	629.7
10°	764.8	744.9	719.1	683.3	657.5	629.7	625.7	617.8	611.8	611.8	609.8
12.5°	792.6	770.7	727.0	669.4	625.7	605.9	603.9	605.9	609.8	611.8	613.8
15°	828.3	792.6	725.0	643.6	599.9	592.0	601.9	609.8	617.8	625.7	623.7
17.5°	862.1	820.4	707.2	611.8	578.1	580.0	597.9	613.8	629.7	637.6	639.6
20°	907.8	846.2	681.3	574.1	556.2	574.1	597.9	617.8	635.7	645.6	647.6
22.5°	959.4	876.0	647.6	540.3	538.3	556.2	580.0	609.8	629.7	647.6	645.6
25°	1005.1	895.9	603.9	512.5	516.5	528.4	556.2	588.0	607.8	627.7	621.8
27.5°	1034.9	899.9	558.2	492.6	492.6	504.6	530.4	550.2	568.1	584.0	586.0
30°	1068.7	891.9	506.5	466.8	466.8	482.7	492.6	504.6	514.5	518.5	522.4
32.5°	1108.4	874.0	474.8	446.9	446.9	458.9	464.8	460.9	458.9	448.9	454.9
35°	1146.2	848.2	439.0	421.1	429.1	435.0	433.0	421.1	409.2	391.3	385.4
37.5°	1191.9	822.4	407.2	393.3	407.2	409.2	409.2	395.3	379.4	357.6	357.6
40°	1261.4	802.5	381.4	375.4	389.3	387.4	377.4	367.5	373.4	361.5	361.5
42.5°	1334.9	794.6	357.6	359.5	365.5	367.5	357.6	345.6	369.5	355.6	357.6
45°	1426.3	800.5	341.7	339.7	353.6	351.6	345.6	335.7	343.7	307.9	298.0
47.5°	1511.7	812.4	333.7	325.8	341.7	345.6	337.7	315.8	303.9	282.1	278.1
50°	1589.1	838.3	325.8	309.9	325.8	333.7	319.8	296.0	282.1	268.2	268.2
52.5°	1662.6	876.0	321.8	292.0	305.9	315.8	307.9	284.1	268.2	262.2	256.2
55°	1738.1	909.8	315.8	280.1	284.1	303.9	301.9	270.2	254.3	254.3	252.3
57.5°	1845.4	955.5	307.9	260.2	268.2	290.0	290.0	264.2	246.3	248.3	250.3
60°	1954.6	1009.1	300.0	240.4	246.3	276.1	280.1	256.2	240.4	242.3	240.4
62.5°	2129.5	1108.4	284.1	216.5	228.4	258.2	268.2	246.3	232.4	236.4	236.4
65°	2393.6	1279.3	250.3	196.7	210.6	242.3	256.2	236.4	220.5	232.4	228.4
67.5°	2818.7	1513.7	210.6	180.8	198.6	226.5	242.3	224.5	210.6	228.4	222.5
70°	3200.1	1628.9	180.8	166.9	180.8	208.6	226.5	212.5	198.6	216.5	208.6
72.5°	3045.2	1277.3	156.9	151.0	164.9	188.7	210.6	196.7	182.8	192.7	184.7
75°	2628.0	1017.1	137.1	135.1	147.0	170.8	192.7	182.8	168.8	172.8	168.8
77.5°	1992.4	840.3	117.2	115.2	125.1	153.0	172.8	164.9	151.0	149.0	149.0
80°	889.9	413.2	97.3	97.3	103.3	131.1	147.0	143.0	129.1	127.1	125.1
82.5°	292.0	156.9	79.5	75.5	83.4	109.3	131.1	127.1	113.2	109.3	105.3
85°	117.2	75.5	57.6	57.6	65.6	91.4	117.2	109.3	91.4	81.4	81.4
87.5°	39.7	31.8	29.8	29.8	41.7	61.6	87.4	73.5	65.6	57.6	59.6
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)