

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: P675401

Luminaire Tested: **CCW-SA-1C-735-U-SL2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675401
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-735-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL2 distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

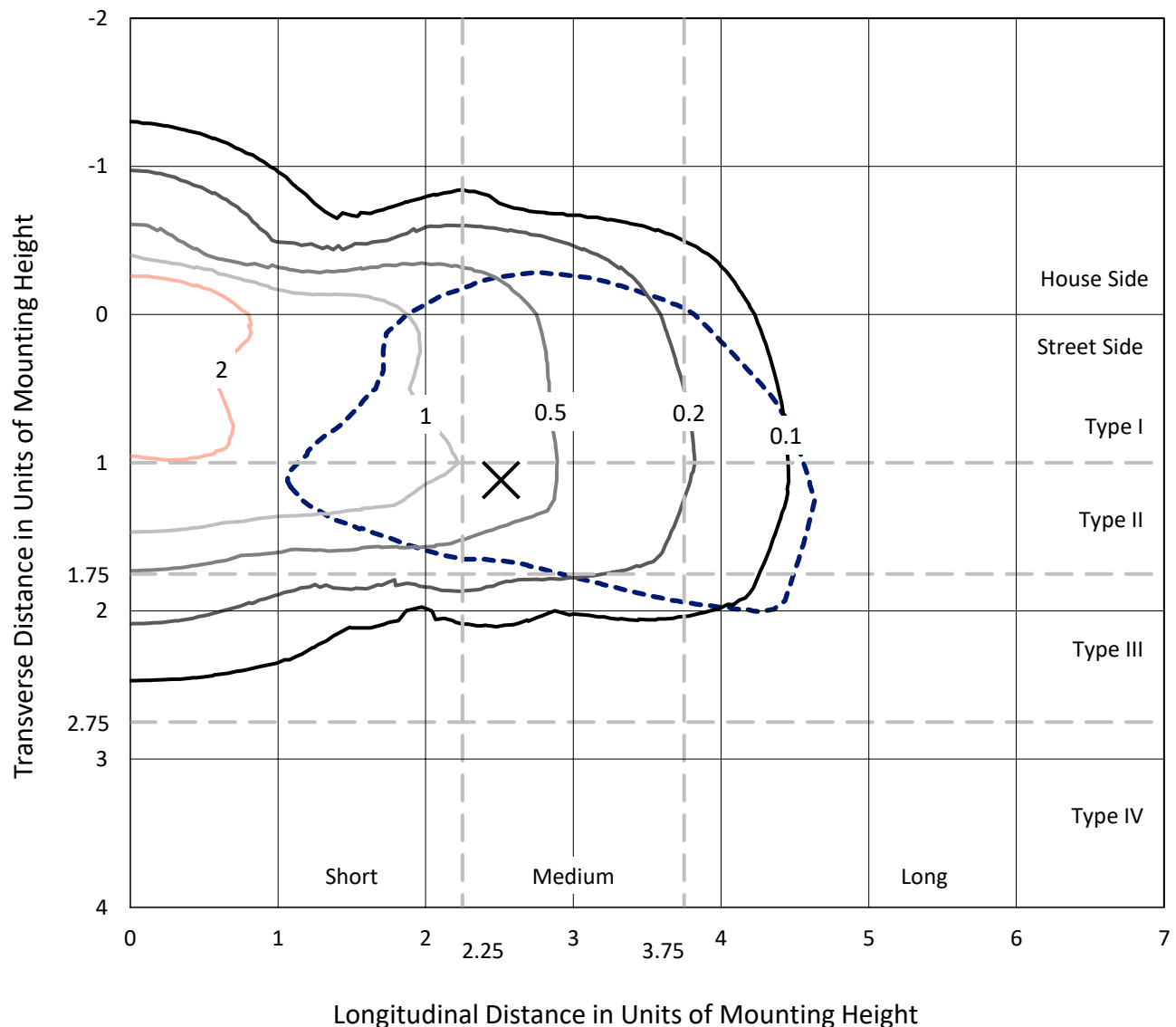
Lumens per Lamp: N/A
Luminaire Lumens: 4413.4 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 32
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

REPORT NUMBER: P675401
 CATALOG NUMBER: CCW-SA-1C-735-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

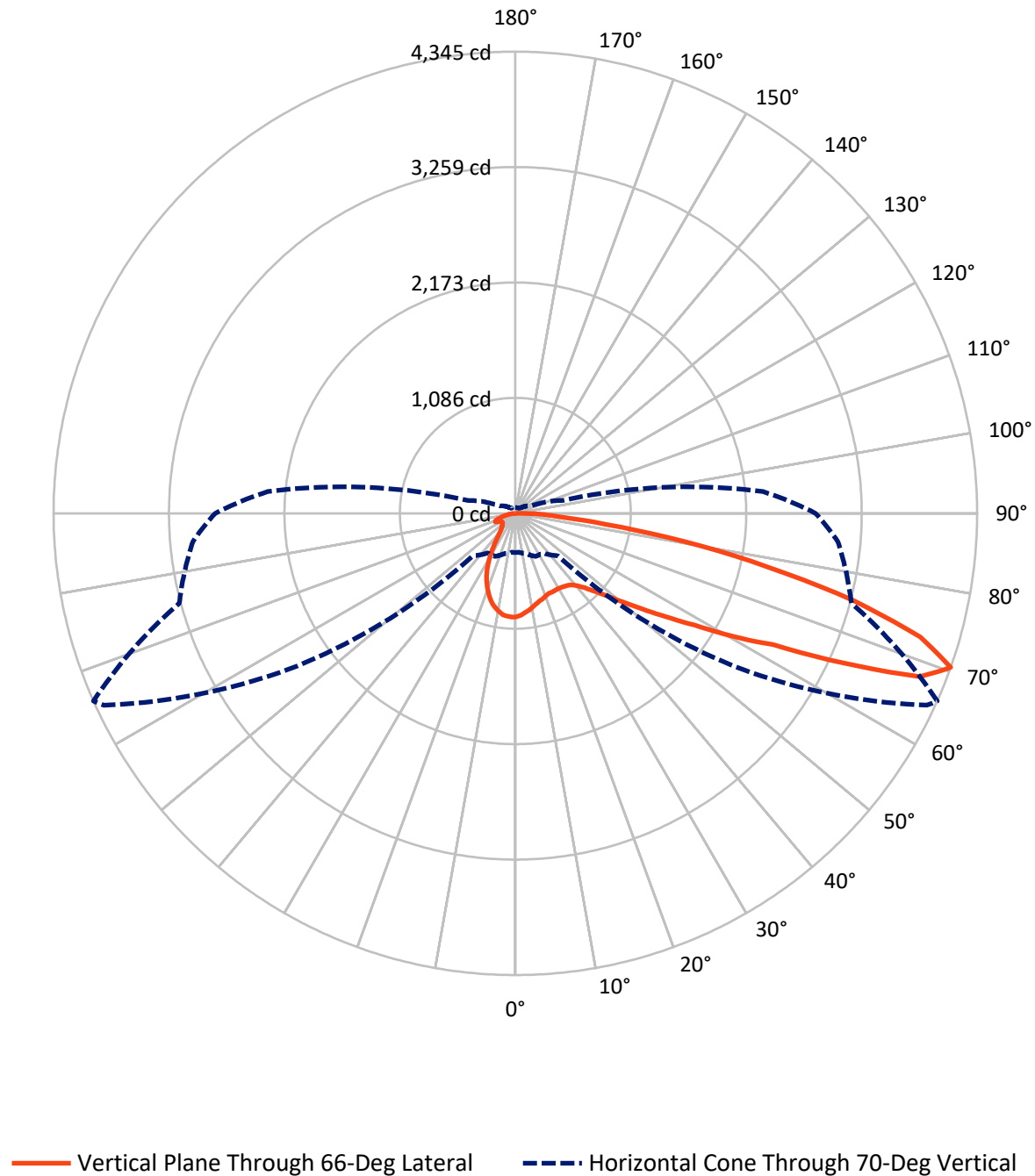
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P675401
CATALOG NUMBER: CCW-SA-1C-735-U-SL2

Luminous Intensity Polar Plot



REPORT NUMBER: P675401

CATALOG NUMBER: CCW-SA-1C-735-U-SL2

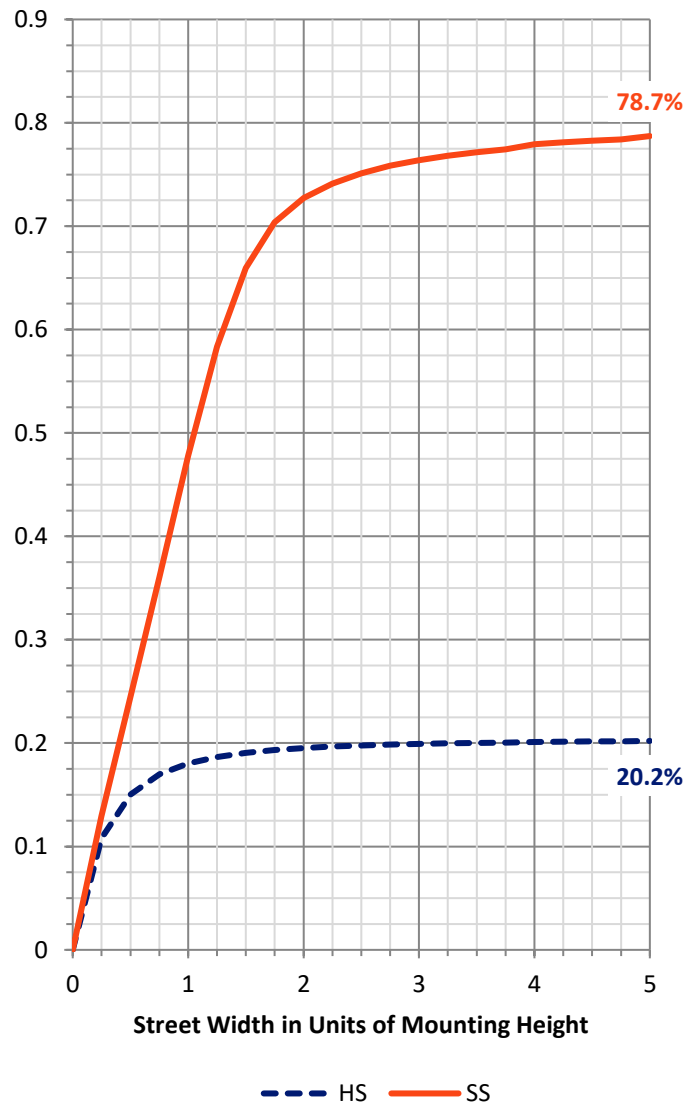
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	903.4	0.0	903.4
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	3510.0	0.0	3510.0
	% Fixture	79.5	0.0	79.5
Total	Lumens	4413.4	0.0	4413.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	2.0
10°-20°	212.2	4.8
20°-30°	291.5	6.6
30°-40°	390.8	8.9
40°-50°	567.0	12.8
50°-60°	861.9	19.5
60°-70°	1064.5	24.1
70°-80°	791.6	17.9
80°-90°	147.6	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°	4413.4	100.0
0°-180°	4413.4	100.0

Coefficient of Utilization



REPORT NUMBER: P675401

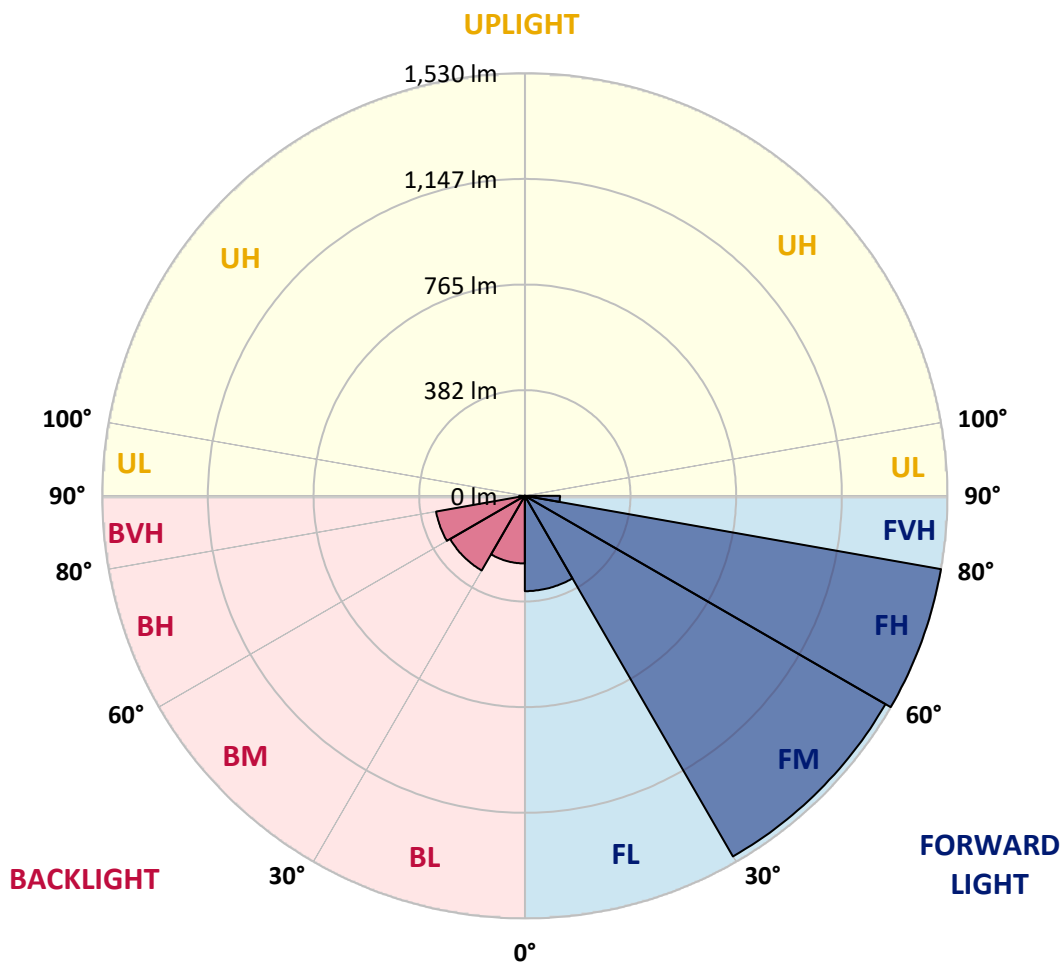
CATALOG NUMBER: CCW-SA-1C-735-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	345.1	7.8			
FM	(30°-60°)	1507.7	34.2			
FH	(60°-80°)	1530.0	34.7			G1/1800
FVH	(80°-90°)	127.3	2.9			G2/225
BL	(0°-30°)	244.8	5.5	B1/500		
BM	(30°-60°)	312.1	7.1	B1/1000		
BH	(60°-80°)	326.1	7.4	B1/500		G1/500
BVH	(80°-90°)	20.4	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





REPORT NUMBER: P675401

CATALOG NUMBER: CCW-SA-1C-735-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	975.0	975.0	975.0	975.0	975.0	975.0	975.0	975.0	975.0	975.0	975.0
2.5°	927.4	932.4	934.0	937.3	945.5	952.1	961.9	966.8	961.9	968.5	968.5
5°	863.4	856.9	873.3	879.8	889.7	902.8	925.8	943.9	938.9	958.6	975.0
7.5°	809.3	809.3	814.2	829.0	840.4	860.1	884.8	912.7	920.9	947.1	971.8
10°	760.0	766.6	766.6	789.6	796.1	819.1	860.1	894.6	896.3	940.6	975.0
12.5°	733.7	730.5	746.9	753.4	773.1	796.1	829.0	871.6	873.3	920.9	968.5
15°	712.4	715.7	723.9	740.3	758.4	776.4	807.6	847.0	855.2	911.0	965.2
17.5°	714.0	715.7	715.7	727.2	742.0	763.3	792.8	838.8	843.7	897.9	960.3
20°	723.9	717.3	722.3	727.2	737.0	756.7	781.3	820.7	825.7	896.3	971.8
22.5°	745.2	740.3	738.7	737.0	735.4	746.9	778.1	810.9	815.8	888.0	976.7
25°	779.7	778.1	766.6	755.1	746.9	746.9	771.5	819.1	817.5	888.0	980.0
27.5°	820.7	820.7	819.1	797.8	773.1	760.0	776.4	815.8	814.2	888.0	988.2
30°	876.6	876.6	871.6	851.9	807.6	769.9	779.7	812.5	817.5	881.5	981.6
32.5°	937.3	935.6	940.6	922.5	876.6	815.8	799.4	819.1	824.0	888.0	983.3
35°	981.6	991.5	1007.9	991.5	945.5	863.4	827.3	832.2	835.5	889.7	989.8
37.5°	1032.5	1044.0	1067.0	1080.1	1030.9	935.6	871.6	853.6	853.6	911.0	991.5
40°	1106.4	1094.9	1134.3	1157.2	1137.6	1024.3	940.6	893.0	894.6	938.9	1012.8
42.5°	1160.5	1172.0	1213.1	1254.1	1229.5	1132.6	1016.1	957.0	957.0	980.0	1045.6
45°	1221.3	1234.4	1291.9	1341.1	1359.2	1262.3	1119.5	1048.9	1045.6	1060.4	1104.7
47.5°	1288.6	1306.6	1372.3	1429.7	1477.3	1396.9	1252.5	1160.5	1158.9	1170.4	1203.2
50°	1365.7	1372.3	1426.5	1531.5	1626.7	1575.8	1415.0	1318.1	1309.9	1314.8	1359.2
52.5°	1388.7	1383.8	1446.2	1559.4	1733.4	1794.1	1636.6	1497.0	1493.8	1482.3	1539.7
55°	1305.0	1321.4	1382.1	1526.6	1820.4	2051.9	1879.5	1741.6	1712.1	1680.9	1749.8
57.5°	1137.6	1139.2	1208.1	1378.9	1753.1	2265.3	2291.5	1981.3	1982.9	1899.2	1978.0
60°	884.8	879.8	934.0	1088.3	1561.1	2330.9	2741.3	2363.7	2347.3	2117.5	2189.7
62.5°	638.5	628.7	640.2	730.5	1167.1	2230.8	3182.8	2792.2	2723.2	2340.8	2396.6
65°	525.3	530.2	535.1	540.0	655.0	1840.1	3319.1	3491.4	3399.5	2601.8	2624.7
67.5°	435.0	438.3	459.6	489.2	485.9	1086.7	3161.5	4138.2	4103.7	2925.1	2821.7
70°	369.3	367.7	392.3	446.5	454.7	564.7	2503.3	4271.2	4345.0	3273.1	3045.0
72.5°	295.5	298.8	320.1	392.3	446.5	476.0	1441.2	3985.5	3983.9	3540.7	2925.1
75°	211.8	211.8	241.3	325.0	431.7	471.1	797.8	3235.4	3296.1	3327.3	2537.7
77.5°	139.5	146.1	169.1	242.9	405.4	461.3	505.6	2352.3	2427.8	2488.5	1941.9
80°	95.2	98.5	113.3	169.1	343.1	464.5	413.7	1582.4	1611.9	1373.9	787.9
82.5°	57.5	59.1	75.5	118.2	246.2	441.6	389.0	873.3	855.2	415.3	226.5
85°	31.2	32.8	47.6	78.8	162.5	385.7	382.5	428.4	398.9	152.7	95.2
87.5°	11.5	11.5	21.3	39.4	93.6	264.3	333.2	254.4	238.0	77.1	44.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P675401

CATALOG NUMBER: CCW-SA-1C-735-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	975.0	975.0	975.0	975.0	975.0	975.0	975.0	975.0	975.0	975.0	975.0
2.5°	976.7	976.7	976.7	976.7	975.0	968.5	973.4	971.8	961.9	963.6	957.0
5°	973.4	981.6	976.7	970.1	961.9	942.2	935.6	930.7	917.6	912.7	917.6
7.5°	981.6	975.0	971.8	960.3	927.4	909.4	886.4	858.5	838.8	833.9	838.8
10°	980.0	980.0	965.2	932.4	901.2	848.6	819.1	769.9	742.0	733.7	735.4
12.5°	973.4	978.3	955.3	902.8	843.7	779.7	725.5	673.0	623.8	604.1	600.8
15°	980.0	975.0	934.0	866.7	784.6	696.0	617.2	540.0	494.1	464.5	458.0
17.5°	970.1	965.2	906.1	817.5	707.5	594.2	495.7	412.0	366.1	354.6	354.6
20°	981.6	950.4	873.3	758.4	627.0	482.6	371.0	308.6	297.1	297.1	300.4
22.5°	980.0	947.1	845.4	700.9	530.2	364.4	275.8	257.7	259.4	272.5	270.8
25°	970.1	940.6	806.0	636.9	428.4	274.1	228.2	223.2	234.7	249.5	247.9
27.5°	968.5	922.5	769.9	561.4	326.7	216.7	198.6	198.6	210.1	223.2	221.6
30°	958.6	907.7	725.5	476.0	246.2	188.8	182.2	182.2	187.1	193.7	193.7
32.5°	957.0	888.0	676.3	387.4	197.0	170.7	167.4	169.1	169.1	172.4	170.7
35°	943.9	861.8	625.4	300.4	170.7	160.9	157.6	155.9	155.9	154.3	154.3
37.5°	938.9	845.4	572.9	233.1	159.2	152.7	149.4	144.5	142.8	142.8	141.2
40°	943.9	829.0	522.0	188.8	149.4	146.1	141.2	134.6	133.0	133.0	133.0
42.5°	961.9	827.3	469.5	164.1	144.5	139.5	133.0	126.4	124.8	126.4	124.8
45°	1002.9	840.4	418.6	152.7	137.9	133.0	124.8	119.8	118.2	119.8	119.8
47.5°	1070.3	876.6	372.6	146.1	133.0	126.4	118.2	113.3	113.3	113.3	113.3
50°	1181.9	945.5	328.3	141.2	129.7	121.5	113.3	106.7	105.1	105.1	106.7
52.5°	1349.3	1063.7	292.2	137.9	124.8	114.9	106.7	101.8	98.5	96.8	98.5
55°	1551.2	1236.0	280.7	134.6	118.2	110.0	101.8	95.2	91.9	91.9	90.3
57.5°	1767.9	1426.5	300.4	131.3	113.3	103.4	95.2	88.6	85.4	83.7	83.7
60°	2002.6	1651.3	372.6	129.7	108.3	96.8	88.6	83.7	78.8	77.1	77.1
62.5°	2216.0	1854.9	502.3	128.0	105.1	90.3	82.1	75.5	72.2	70.6	70.6
65°	2458.9	2081.4	628.7	134.6	103.4	85.4	75.5	68.9	65.7	64.0	64.0
67.5°	2670.7	2278.4	702.6	151.0	108.3	78.8	67.3	62.4	60.7	59.1	59.1
70°	2825.0	2339.1	471.1	165.8	116.5	73.9	60.7	57.5	54.2	54.2	54.2
72.5°	2618.2	2088.0	279.1	155.9	110.0	68.9	54.2	50.9	49.2	49.2	47.6
75°	2239.0	1777.7	215.0	126.4	88.6	59.1	47.6	44.3	42.7	42.7	41.0
77.5°	1653.0	1273.8	159.2	100.1	68.9	47.6	41.0	39.4	37.8	36.1	36.1
80°	646.7	558.1	108.3	73.9	50.9	37.8	34.5	32.8	31.2	29.5	29.5
82.5°	200.3	169.1	62.4	49.2	36.1	29.5	27.9	26.3	24.6	23.0	23.0
85°	87.0	83.7	41.0	31.2	24.6	19.7	19.7	18.1	16.4	14.8	14.8
87.5°	42.7	41.0	23.0	14.8	13.1	9.8	9.8	8.2	6.6	6.6	6.6
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)