

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: P675633

Luminaire Tested: **CCW-SA-1C-850-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675633
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-850-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL3 distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

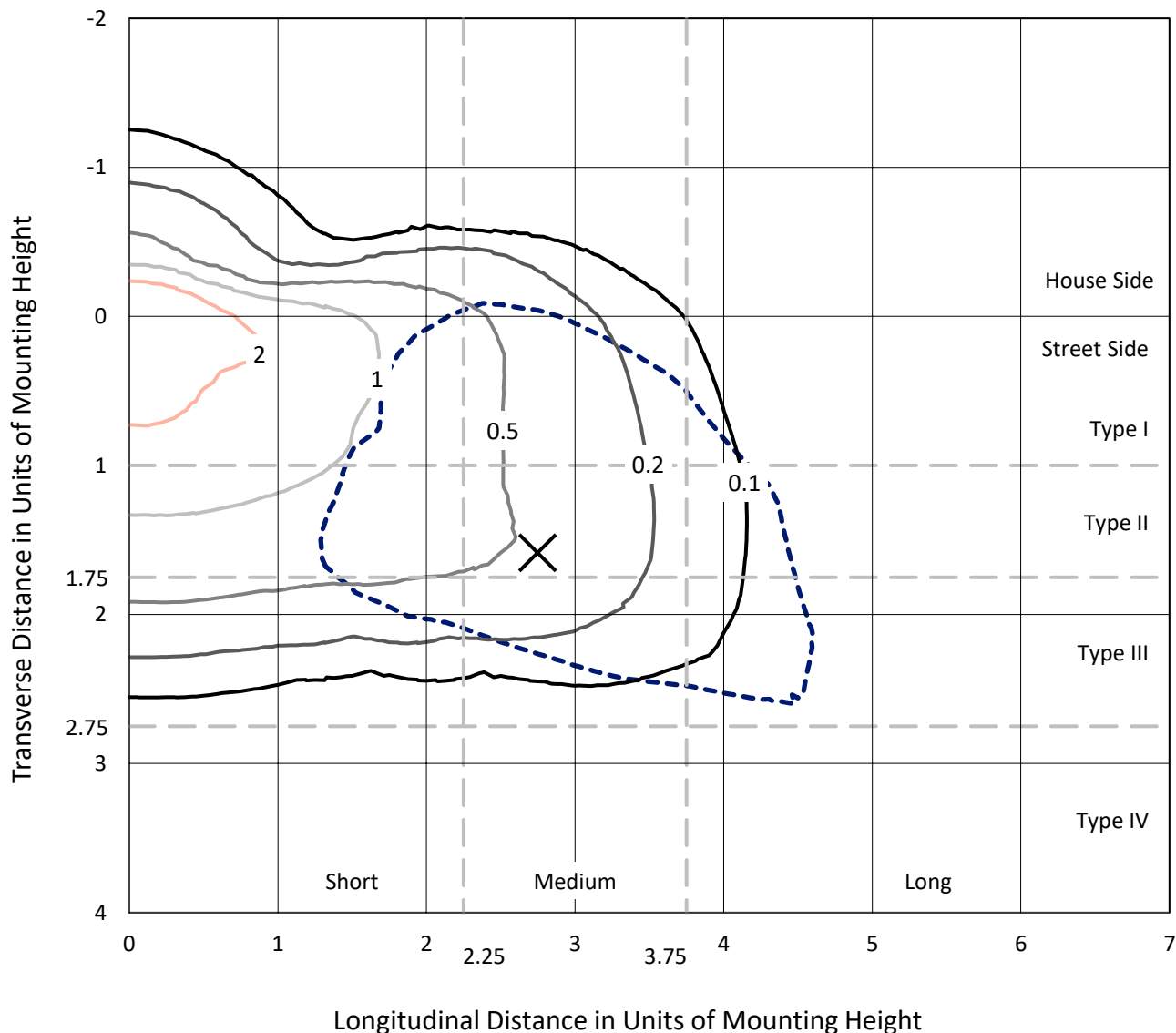
Lumens per Lamp: N/A
Luminaire Lumens: 3900.8 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

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Iso-Footcandle Lines of Horizontal Illumination

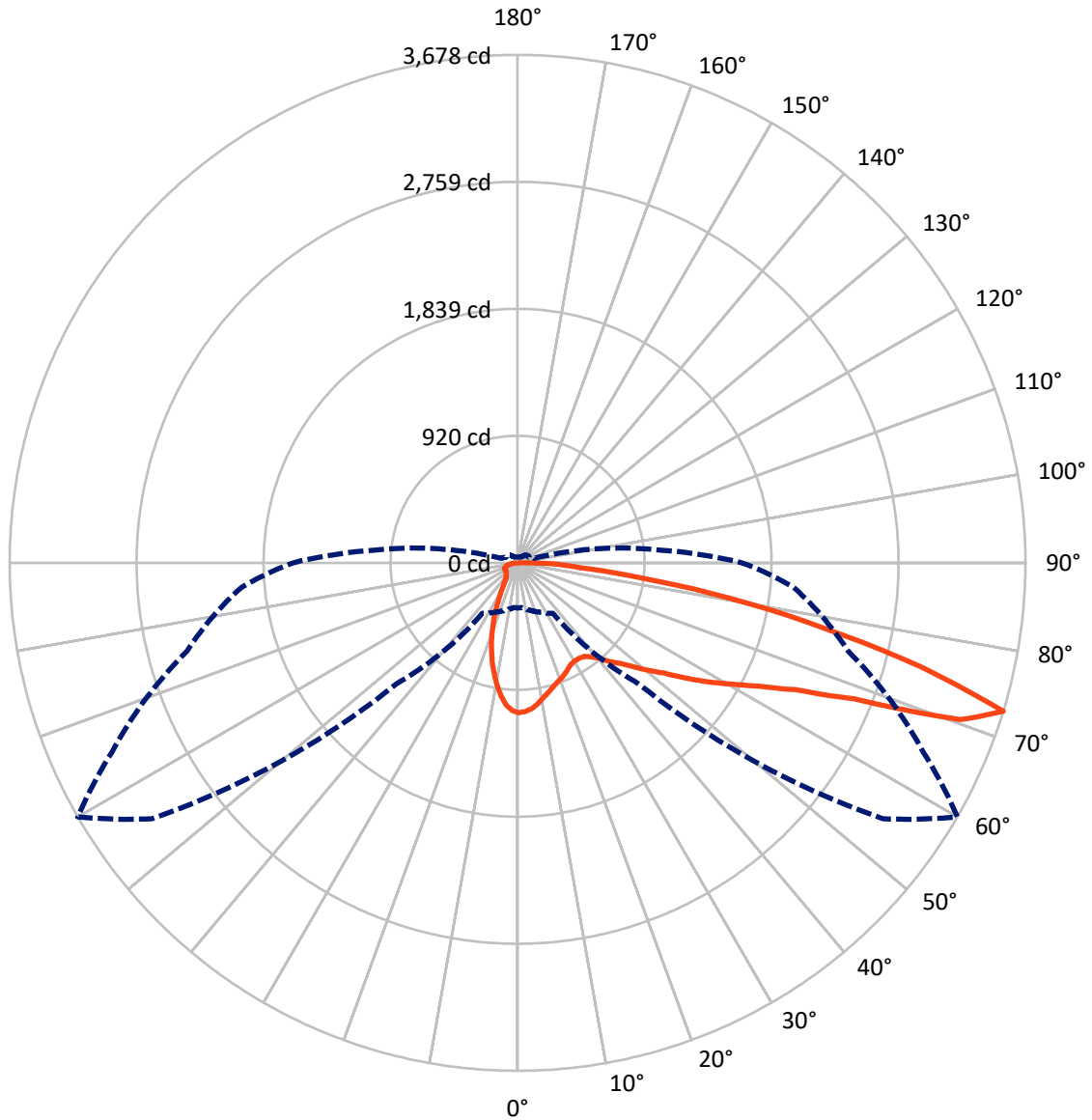
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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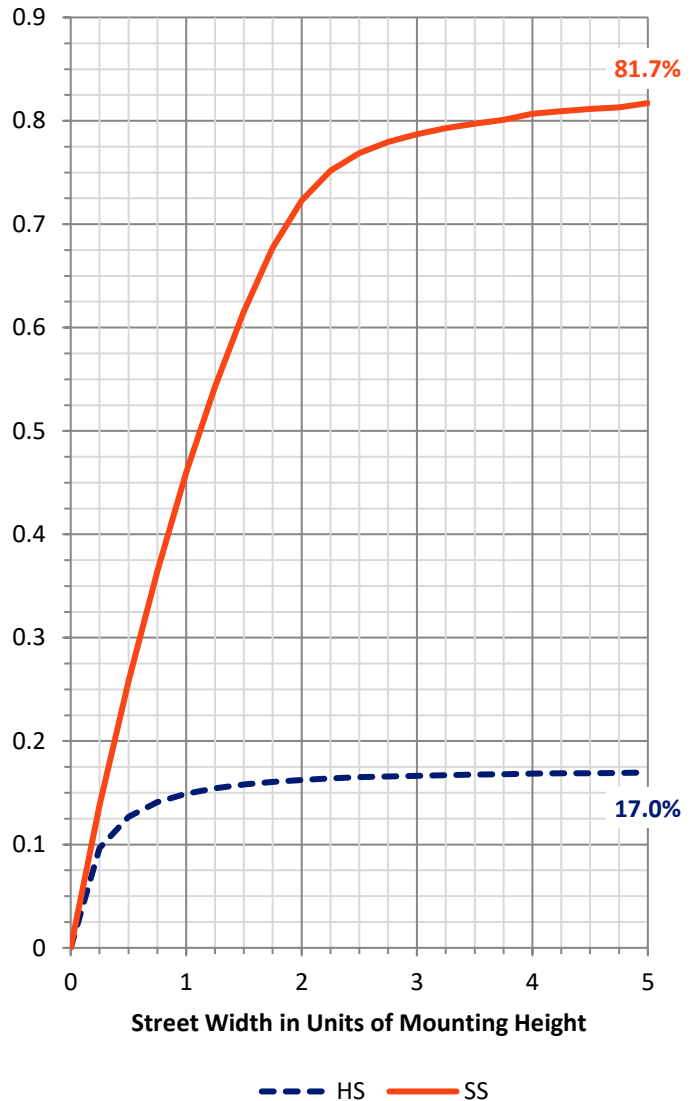
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	670.1	0.0	670.1
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	3230.7	0.0	3230.7
	% Fixture	82.8	0.0	82.8
Total	Lumens	3900.8	0.0	3900.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.1	2.4
10°-20°	213.5	5.5
20°-30°	273.2	7.0
30°-40°	349.5	9.0
40°-50°	479.4	12.3
50°-60°	693.4	17.8
60°-70°	951.2	24.4
70°-80°	713.8	18.3
80°-90°	132.7	3.4
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°	3900.8	100.0
0°-180°	3900.8	100.0

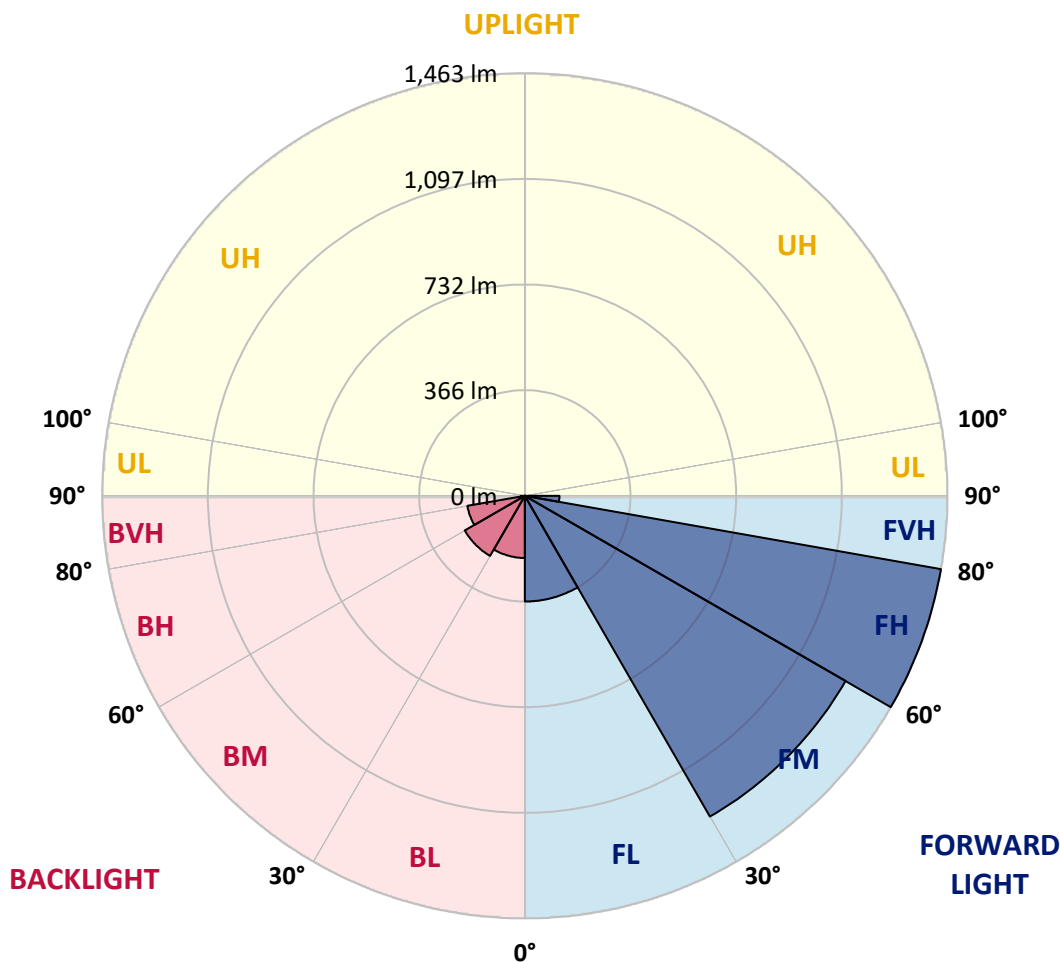


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	365.8	9.4			
FM (30°-60°)	1282.2	32.9			
FH (60°-80°)	1463.1	37.5			G1/1800
FVH (80°-90°)	119.7	3.1			G2/225
BL (0°-30°)	215.1	5.5	B1/500		
BM (30°-60°)	240.1	6.2	B1/1000		
BH (60°-80°)	201.9	5.2	B1/500		G1/500
BVH (80°-90°)	12.9	0.3			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°	60°	65°	75°	85°
0°	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2
2.5°	1063.0	1073.1	1076.0	1076.0	1084.7	1074.6	1089.1	1077.5	1080.4	1084.7	1081.8
5°	1012.1	1029.6	1019.4	1038.3	1031.0	1044.1	1061.5	1061.5	1057.1	1065.9	1058.6
7.5°	962.8	956.9	974.4	974.4	986.0	1003.4	1017.9	1032.5	1033.9	1036.8	1035.4
10°	896.0	903.2	911.9	923.5	938.1	955.5	986.0	997.6	1000.5	1017.9	1013.6
12.5°	840.8	850.9	856.8	880.0	893.1	917.7	952.6	968.6	970.0	994.7	994.7
15°	800.1	805.9	819.0	827.7	856.8	891.6	925.0	939.5	955.5	981.6	974.4
17.5°	772.5	779.8	785.6	797.2	824.8	853.8	906.1	914.8	933.7	971.5	962.8
20°	756.6	758.0	766.7	774.0	798.7	826.3	872.7	896.0	920.6	954.0	945.3
22.5°	759.5	753.7	752.2	762.4	766.7	792.9	849.5	874.2	909.0	948.2	933.7
25°	765.3	766.7	763.8	755.1	756.6	779.8	817.5	849.5	888.7	946.8	917.7
27.5°	779.8	787.1	775.4	766.7	758.0	766.7	805.9	829.2	872.7	954.0	916.3
30°	794.3	801.6	798.7	785.6	768.2	765.3	792.9	821.9	864.0	959.9	916.3
32.5°	816.1	826.3	816.1	820.4	800.1	787.1	797.2	823.4	872.7	980.2	917.7
35°	840.8	849.5	852.4	842.2	837.9	813.2	819.0	832.1	881.4	1003.4	932.3
37.5°	868.4	878.5	887.2	888.7	874.2	859.7	856.8	864.0	903.2	1044.1	948.2
40°	887.2	893.1	910.5	925.0	929.4	909.0	907.6	907.6	942.4	1080.4	977.3
42.5°	919.2	916.3	941.0	967.1	974.4	962.8	965.7	977.3	997.6	1132.7	1023.7
45°	935.2	932.3	961.3	1004.9	1038.3	1032.5	1035.4	1039.7	1058.6	1215.4	1102.2
47.5°	956.9	959.9	1002.0	1051.3	1086.2	1106.5	1122.5	1121.0	1135.6	1299.6	1189.3
50°	978.7	984.5	1035.4	1087.6	1148.6	1183.5	1206.7	1222.7	1237.2	1388.2	1289.5
52.5°	1020.8	1026.7	1083.3	1139.9	1218.3	1269.2	1327.2	1325.8	1327.2	1476.8	1389.7
55°	1081.8	1083.3	1116.7	1182.0	1288.0	1381.0	1460.8	1469.5	1444.9	1587.2	1504.4
57.5°	1151.5	1157.3	1186.4	1235.8	1343.2	1488.4	1610.4	1627.8	1561.0	1677.2	1609.0
60°	1216.9	1221.2	1266.3	1322.9	1439.1	1623.5	1761.4	1781.8	1709.1	1787.6	1717.9
62.5°	1142.8	1164.6	1244.5	1373.7	1607.5	1828.2	1953.1	1966.2	1852.9	1899.4	1834.0
65°	914.8	929.4	1044.1	1253.2	1619.1	2200.0	2249.3	2214.5	2050.4	2043.1	2009.7
67.5°	509.7	521.3	599.7	819.0	1363.5	2339.4	2886.8	2631.2	2356.8	2259.5	2247.9
70°	402.2	405.1	415.3	460.3	756.6	2062.0	3389.3	3400.9	2857.8	2557.2	2298.7
72.5°	326.7	325.3	355.8	395.0	447.3	1237.2	3231.0	3678.2	3241.1	2478.8	2002.5
75°	249.8	254.1	293.3	350.0	409.5	582.3	2410.5	3026.2	3036.4	2310.3	1688.8
77.5°	190.2	191.7	235.2	309.3	400.8	411.0	1572.6	2255.1	2265.3	1789.0	930.8
80°	142.3	142.3	178.6	261.4	390.6	379.0	968.6	1563.9	1415.8	628.8	203.3
82.5°	81.3	87.1	119.1	198.9	354.3	364.5	546.0	896.0	598.3	171.4	94.4
85°	43.6	45.0	72.6	133.6	291.9	348.5	416.8	445.8	238.1	91.5	43.6
87.5°	16.0	16.0	33.4	68.2	184.4	258.5	331.1	284.6	136.5	42.1	21.8
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°	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2	1086.2
2.5°	1084.7	1078.9	1074.6	1078.9	1063.0	1055.7	1064.4	1060.0	1051.3	1047.0	1044.1
5°	1063.0	1055.7	1048.4	1044.1	1026.7	1009.2	1000.5	983.1	968.6	972.9	964.2
7.5°	1039.7	1032.5	1010.7	990.3	955.5	920.6	904.7	880.0	871.3	864.0	859.7
10°	1010.7	997.6	964.2	923.5	872.7	833.5	792.9	763.8	733.3	720.3	724.6
12.5°	974.4	967.1	914.8	852.4	781.2	715.9	668.0	621.5	580.8	559.1	553.3
15°	958.4	936.6	861.1	778.3	688.3	607.0	535.8	454.5	406.6	383.4	383.4
17.5°	941.0	900.3	810.3	697.0	593.9	489.4	389.2	315.1	277.4	264.3	264.3
20°	913.4	868.4	750.7	620.1	495.2	368.8	278.8	238.1	226.5	217.8	219.3
22.5°	893.1	837.9	695.6	544.5	392.1	274.5	219.3	206.2	201.8	198.9	200.4
25°	869.8	801.6	637.5	463.2	307.8	216.4	190.2	184.4	187.3	188.8	188.8
27.5°	850.9	771.1	577.9	376.1	232.3	183.0	171.4	169.9	175.7	178.6	180.1
30°	837.9	743.5	519.9	296.2	185.9	162.6	156.8	156.8	164.1	167.0	168.4
32.5°	824.8	720.3	457.4	226.5	158.3	145.2	143.8	145.2	149.6	149.6	151.0
35°	829.2	698.5	397.9	183.0	142.3	133.6	133.6	133.6	135.0	136.5	136.5
37.5°	837.9	692.7	334.0	153.9	130.7	124.9	124.9	123.4	124.9	123.4	124.9
40°	846.6	683.9	275.9	136.5	123.4	119.1	117.6	114.7	113.3	113.3	114.7
42.5°	882.9	695.6	226.5	124.9	117.6	114.7	110.4	107.5	106.0	106.0	106.0
45°	929.4	717.3	187.3	119.1	113.3	106.0	103.1	101.6	98.7	100.2	101.6
47.5°	999.1	750.7	164.1	114.7	108.9	100.2	97.3	94.4	94.4	97.3	97.3
50°	1090.5	805.9	149.6	110.4	104.6	95.8	91.5	90.0	90.0	94.4	94.4
52.5°	1189.3	869.8	143.8	108.9	100.2	91.5	87.1	85.7	85.7	91.5	91.5
55°	1288.0	948.2	148.1	108.9	97.3	87.1	82.8	79.9	81.3	85.7	85.7
57.5°	1396.9	1032.5	169.9	108.9	94.4	85.7	79.9	75.5	77.0	78.4	78.4
60°	1516.0	1142.8	207.7	108.9	92.9	82.8	75.5	69.7	69.7	71.2	71.2
62.5°	1636.5	1251.7	261.4	110.4	94.4	81.3	69.7	63.9	62.4	63.9	63.9
65°	1794.8	1426.0	315.1	110.4	98.7	78.4	65.3	58.1	56.6	56.6	58.1
67.5°	2017.0	1550.9	244.0	106.0	101.6	78.4	61.0	53.7	50.8	50.8	50.8
70°	1899.4	1308.4	155.4	98.7	97.3	81.3	58.1	49.4	46.5	45.0	45.0
72.5°	1626.4	1047.0	124.9	92.9	90.0	79.9	55.2	46.5	42.1	40.7	40.7
75°	1304.0	826.3	108.9	84.2	78.4	66.8	50.8	42.1	39.2	36.3	36.3
77.5°	638.9	345.6	82.8	74.1	66.8	50.8	45.0	39.2	34.9	31.9	31.9
80°	159.7	120.5	61.0	58.1	49.4	39.2	36.3	33.4	30.5	27.6	27.6
82.5°	85.7	71.2	43.6	39.2	33.4	27.6	27.6	26.1	24.7	21.8	20.3
85°	43.6	42.1	29.0	26.1	21.8	17.4	18.9	18.9	17.4	13.1	13.1
87.5°	23.2	23.2	14.5	11.6	10.2	8.7	8.7	8.7	7.3	5.8	5.8
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)