

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: P676845

Luminaire Tested: **CCW-SA-2A-735-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676845
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-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
SL2 distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

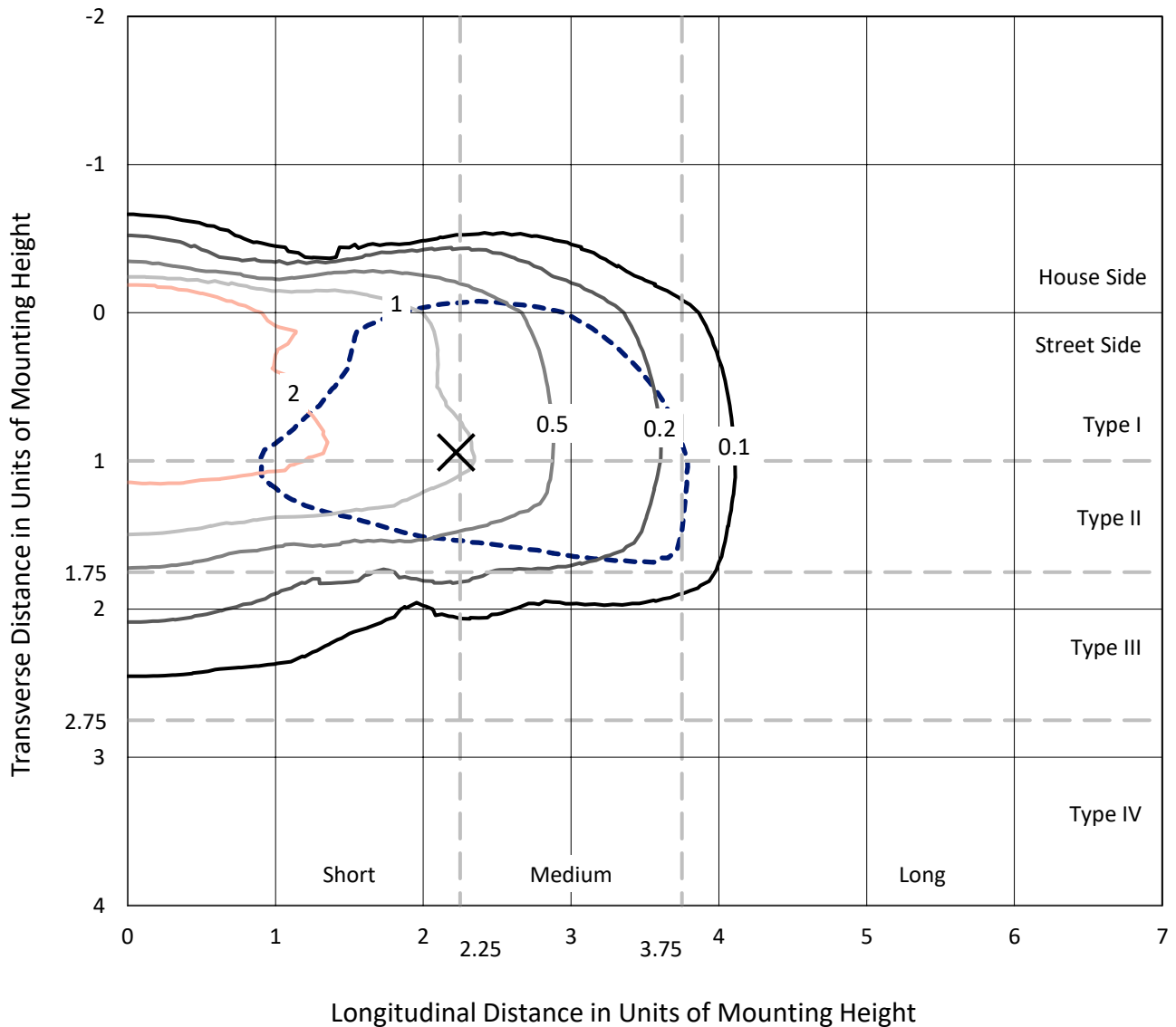
Lumens per Lamp: N/A
Luminaire Lumens: 4339.8 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

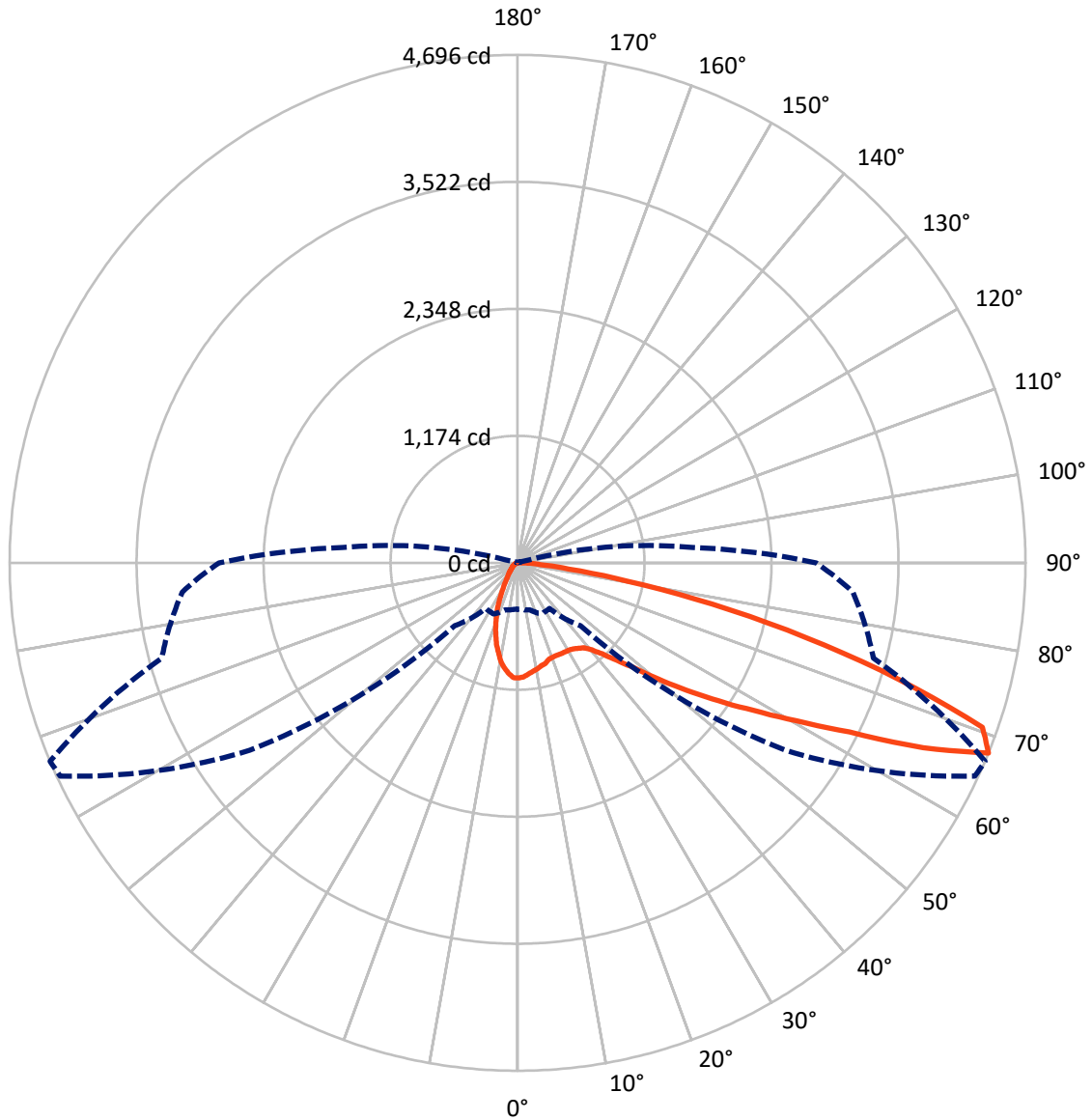
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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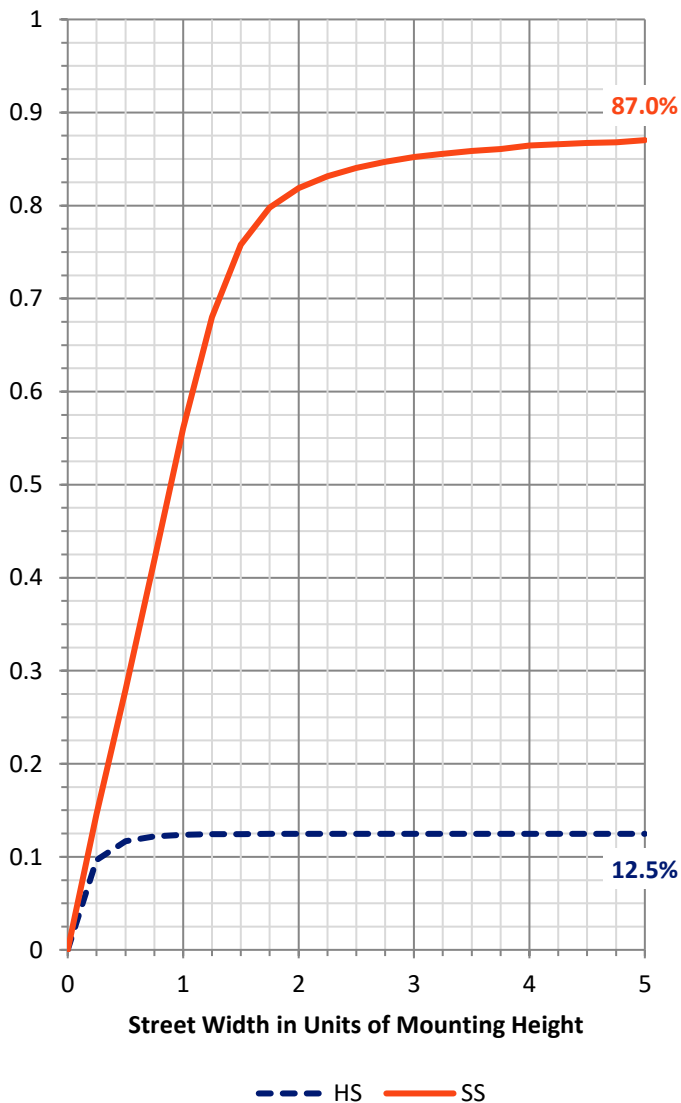
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	546.2	0.0	546.2
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	3793.6	0.0	3793.6
	% Fixture	87.4	0.0	87.4
Total	Lumens	4339.8	0.0	4339.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.7	2.1
10°-20°	199.2	4.6
20°-30°	283.3	6.5
30°-40°	412.5	9.5
40°-50°	638.5	14.7
50°-60°	979.9	22.6
60°-70°	1062.2	24.5
70°-80°	599.2	13.8
80°-90°	75.3	1.7
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°	4339.8	100.0
0°-180°	4339.8	100.0

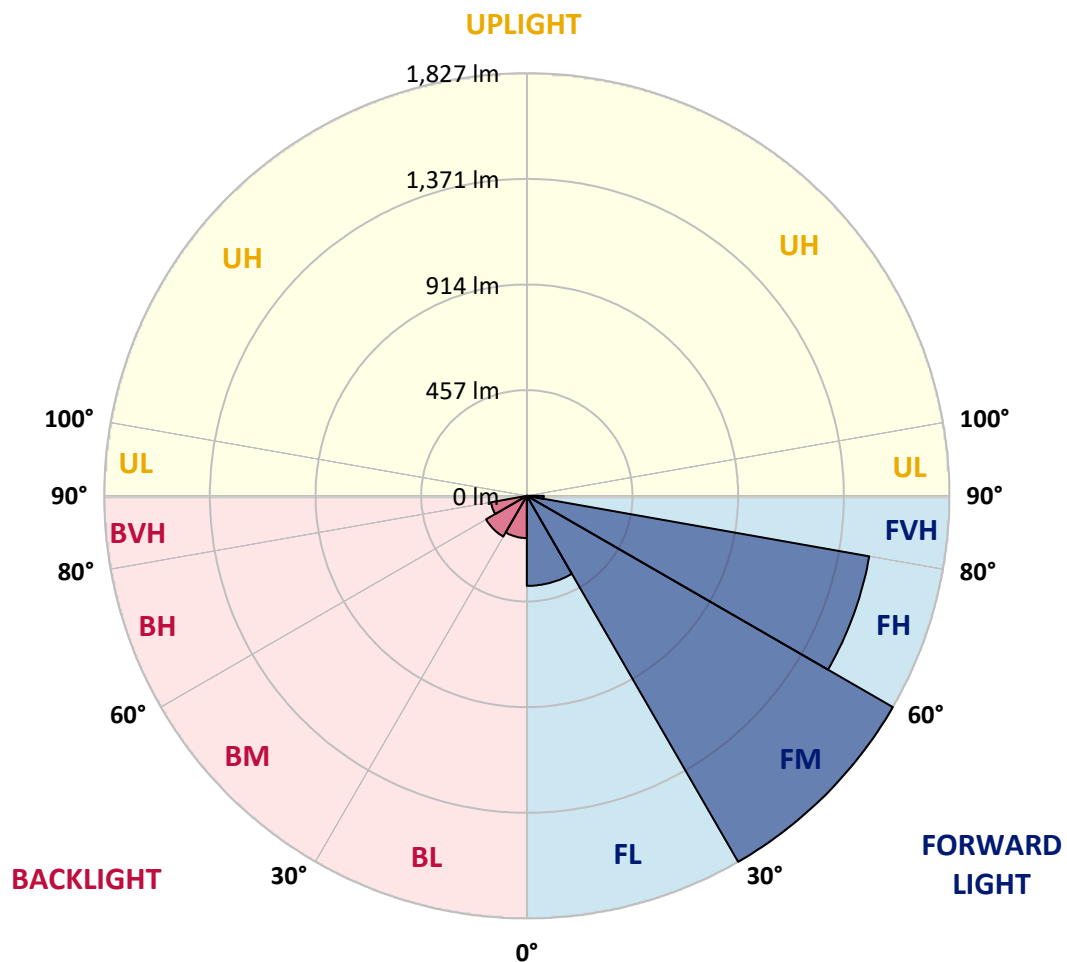


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	389.4	9.0			
FM (30°-60°)	1827.4	42.1			
FH (60°-80°)	1503.6	34.6			G1/1800
FVH (80°-90°)	73.1	1.7			G1/100
BL (0°-30°)	182.8	4.2	B1/500		
BM (30°-60°)	203.4	4.7	B0/220		
BH (60°-80°)	157.8	3.6	B1/500		G1/500
BVH (80°-90°)	2.2	0.0			G0/10
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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1064.5	1064.5	1064.5	1064.5	1064.5	1064.5	1064.5	1064.5	1064.5	1064.5	1064.5
2.5°	1018.5	1023.7	1031.0	1041.5	1048.8	1044.6	1047.7	1065.5	1056.1	1064.5	1060.3
5°	962.0	967.2	977.7	976.6	985.0	1000.7	1021.6	1044.6	1034.1	1059.2	1068.6
7.5°	903.4	901.3	901.3	923.3	941.1	963.0	974.5	1012.2	1013.2	1035.2	1058.2
10°	850.1	856.4	866.8	875.2	891.9	923.3	956.8	986.0	997.5	1041.5	1047.7
12.5°	817.7	820.8	833.4	840.7	862.7	893.0	928.5	966.2	975.6	1020.5	1050.9
15°	804.1	811.4	815.6	829.2	840.7	868.9	895.1	937.9	965.1	1000.7	1038.3
17.5°	814.6	811.4	813.5	817.7	831.3	856.4	884.6	927.5	936.9	996.5	1053.0
20°	828.1	829.2	822.9	820.8	817.7	841.7	864.7	920.2	930.6	996.5	1062.4
22.5°	864.7	853.2	864.7	848.0	831.3	841.7	863.7	921.2	928.5	995.5	1071.8
25°	909.7	911.8	914.9	879.4	855.3	848.0	871.0	924.3	930.6	1003.8	1076.0
27.5°	973.5	982.9	967.2	949.4	901.3	864.7	870.0	922.3	933.8	999.6	1086.4
30°	1059.2	1051.9	1054.0	1013.2	966.2	908.7	894.0	927.5	935.9	1004.9	1106.3
32.5°	1133.5	1125.1	1139.8	1125.1	1050.9	971.4	922.3	937.9	947.4	1017.4	1123.0
35°	1179.5	1189.9	1212.9	1228.6	1165.9	1053.0	969.3	966.2	970.4	1023.7	1135.6
37.5°	1250.6	1269.4	1288.2	1328.0	1273.6	1153.3	1043.6	1002.8	995.5	1054.0	1141.8
40°	1328.0	1322.7	1378.2	1425.2	1423.1	1294.5	1147.1	1067.6	1057.1	1102.1	1183.7
42.5°	1392.8	1387.6	1449.3	1526.6	1535.0	1430.4	1265.2	1159.6	1150.2	1176.3	1234.9
45°	1477.5	1481.7	1554.9	1646.9	1677.2	1610.3	1425.2	1291.4	1286.1	1277.8	1332.1
47.5°	1552.8	1575.8	1638.5	1747.3	1857.1	1796.4	1613.4	1483.8	1447.2	1428.3	1482.7
50°	1605.1	1626.0	1702.3	1818.4	2019.1	2057.8	1824.6	1688.7	1689.8	1643.8	1673.0
52.5°	1605.1	1604.0	1665.7	1818.4	2132.1	2330.7	2107.0	1947.0	1955.4	1907.3	1909.3
55°	1450.3	1447.2	1522.5	1684.5	2119.5	2593.2	2534.6	2274.3	2253.4	2160.3	2169.7
57.5°	1168.0	1175.3	1232.8	1427.3	1956.4	2715.5	3043.9	2642.3	2571.2	2378.8	2378.8
60°	852.2	845.9	888.8	1024.7	1567.4	2669.5	3462.1	3076.3	2964.4	2559.7	2532.5
62.5°	648.3	647.3	658.8	704.8	994.4	2327.6	3642.0	3628.4	3446.4	2737.5	2698.8
65°	523.9	526.0	541.6	574.1	607.5	1587.3	3546.8	4287.1	4120.9	3002.0	2875.5
67.5°	427.7	432.9	451.7	521.8	514.5	821.9	3020.9	4664.6	4696.0	3405.7	3112.9
70°	329.4	337.7	359.7	459.0	495.6	546.9	2094.4	4476.4	4560.0	3656.6	2969.6
72.5°	223.8	222.7	269.8	372.2	500.9	500.9	1165.9	3605.4	3684.8	3371.2	2579.6
75°	121.3	128.6	178.8	281.3	459.0	484.1	664.0	2638.2	2750.0	2621.4	1995.1
77.5°	65.9	66.9	99.3	184.0	381.7	462.2	443.4	1794.3	1838.2	1581.0	1092.7
80°	34.5	35.6	52.3	120.2	263.5	428.7	369.1	1069.7	1027.9	606.5	360.7
82.5°	15.7	16.7	26.1	75.3	168.3	337.7	318.9	516.5	476.8	169.4	109.8
85°	6.3	6.3	11.5	45.0	98.3	166.3	272.9	259.3	216.4	51.2	54.4
87.5°	2.1	2.1	3.1	17.8	39.7	99.3	145.3	137.0	94.1	18.8	29.3
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°	1064.5	1064.5	1064.5	1064.5	1064.5	1064.5	1064.5	1064.5	1064.5	1064.5	1064.5
2.5°	1056.1	1067.6	1064.5	1062.4	1042.5	1040.4	1038.3	1019.5	1025.8	1010.1	1020.5
5°	1062.4	1068.6	1051.9	1020.5	992.3	960.9	936.9	920.2	889.8	878.3	876.2
7.5°	1056.1	1056.1	1021.6	971.4	916.0	864.7	799.9	753.9	719.4	693.3	702.7
10°	1047.7	1035.2	999.6	910.8	810.4	733.0	639.9	572.0	520.7	504.0	493.5
12.5°	1047.7	1025.8	946.3	825.0	695.4	578.2	467.4	378.5	329.4	300.1	295.9
15°	1038.3	1005.9	907.6	744.5	583.5	424.5	298.0	221.7	179.9	168.3	164.2
17.5°	1040.4	1001.7	850.1	649.3	452.8	282.3	181.9	140.1	129.7	124.4	125.5
20°	1044.6	1001.7	798.9	556.3	326.2	175.7	125.5	118.2	112.9	110.8	111.9
22.5°	1058.2	981.9	746.6	461.1	220.6	126.5	110.8	103.5	99.3	96.2	95.2
25°	1060.3	978.7	696.4	367.0	151.6	106.7	97.2	88.9	83.7	79.5	78.4
27.5°	1057.1	965.1	626.3	272.9	114.0	95.2	82.6	74.2	66.9	63.8	62.7
30°	1068.6	940.0	566.7	196.6	96.2	82.6	70.1	60.6	54.4	50.2	50.2
32.5°	1069.7	918.1	500.9	140.1	87.8	73.2	59.6	49.1	42.9	40.8	40.8
35°	1070.7	898.2	427.7	106.7	78.4	62.7	49.1	40.8	36.6	33.5	33.5
37.5°	1073.9	883.6	360.7	89.9	70.1	53.3	40.8	33.5	29.3	28.2	28.2
40°	1080.1	863.7	290.7	79.5	60.6	45.0	34.5	28.2	24.0	23.0	22.0
42.5°	1096.9	858.5	232.1	71.1	54.4	37.6	28.2	23.0	19.9	17.8	16.7
45°	1165.9	872.1	179.9	65.9	46.0	31.4	24.0	18.8	14.6	13.6	12.5
47.5°	1278.8	917.0	142.2	58.6	38.7	26.1	19.9	14.6	11.5	10.5	9.4
50°	1450.3	1019.5	116.1	52.3	32.4	22.0	15.7	11.5	8.4	7.3	7.3
52.5°	1675.1	1157.5	100.4	46.0	26.1	18.8	12.5	8.4	6.3	5.2	5.2
55°	1905.2	1320.6	94.1	39.7	22.0	15.7	9.4	6.3	4.2	3.1	3.1
57.5°	2116.4	1426.3	91.0	32.4	18.8	11.5	7.3	4.2	2.1	1.0	1.0
60°	2248.1	1503.6	81.6	26.1	14.6	9.4	5.2	2.1	1.0	0.0	0.0
62.5°	2421.7	1582.1	66.9	19.9	10.5	6.3	3.1	1.0	0.0	0.0	0.0
65°	2650.7	1669.9	52.3	15.7	8.4	4.2	2.1	1.0	0.0	0.0	0.0
67.5°	2760.5	1623.9	35.6	11.5	5.2	2.1	1.0	0.0	0.0	0.0	0.0
70°	2540.9	1367.7	25.1	8.4	3.1	1.0	1.0	0.0	0.0	0.0	0.0
72.5°	2136.2	1071.8	18.8	5.2	2.1	1.0	0.0	0.0	0.0	0.0	0.0
75°	1574.7	670.3	14.6	4.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	835.5	249.9	10.5	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	246.8	73.2	7.3	2.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	81.6	22.0	4.2	2.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	41.8	8.4	2.1	2.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	24.0	3.1	2.1	2.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
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)