

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: P676996

Luminaire Tested: **CCW-SA-1C-740-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676996
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-740-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SL3 distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

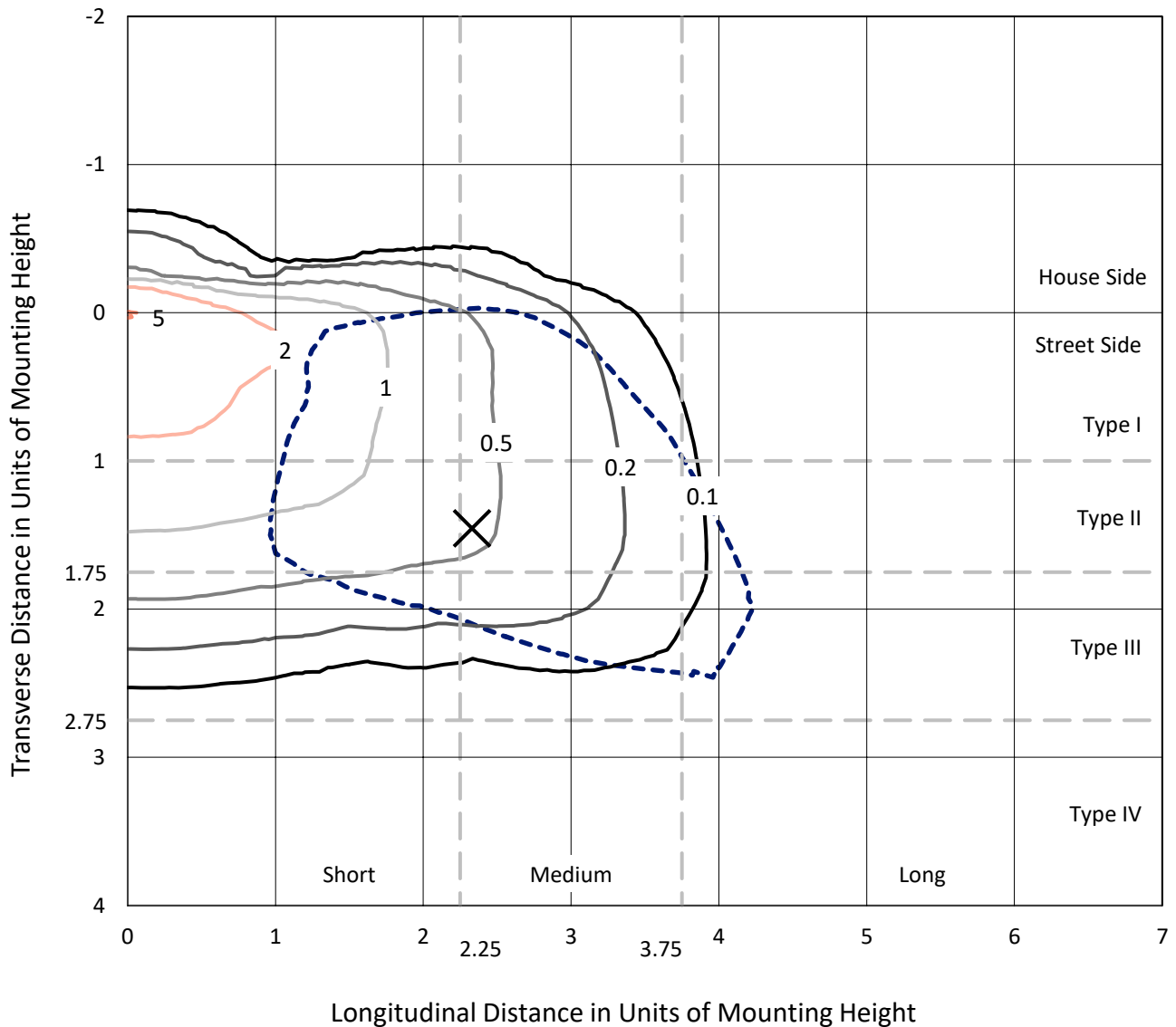
Lumens per Lamp: N/A
Luminaire Lumens: 3736.1 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

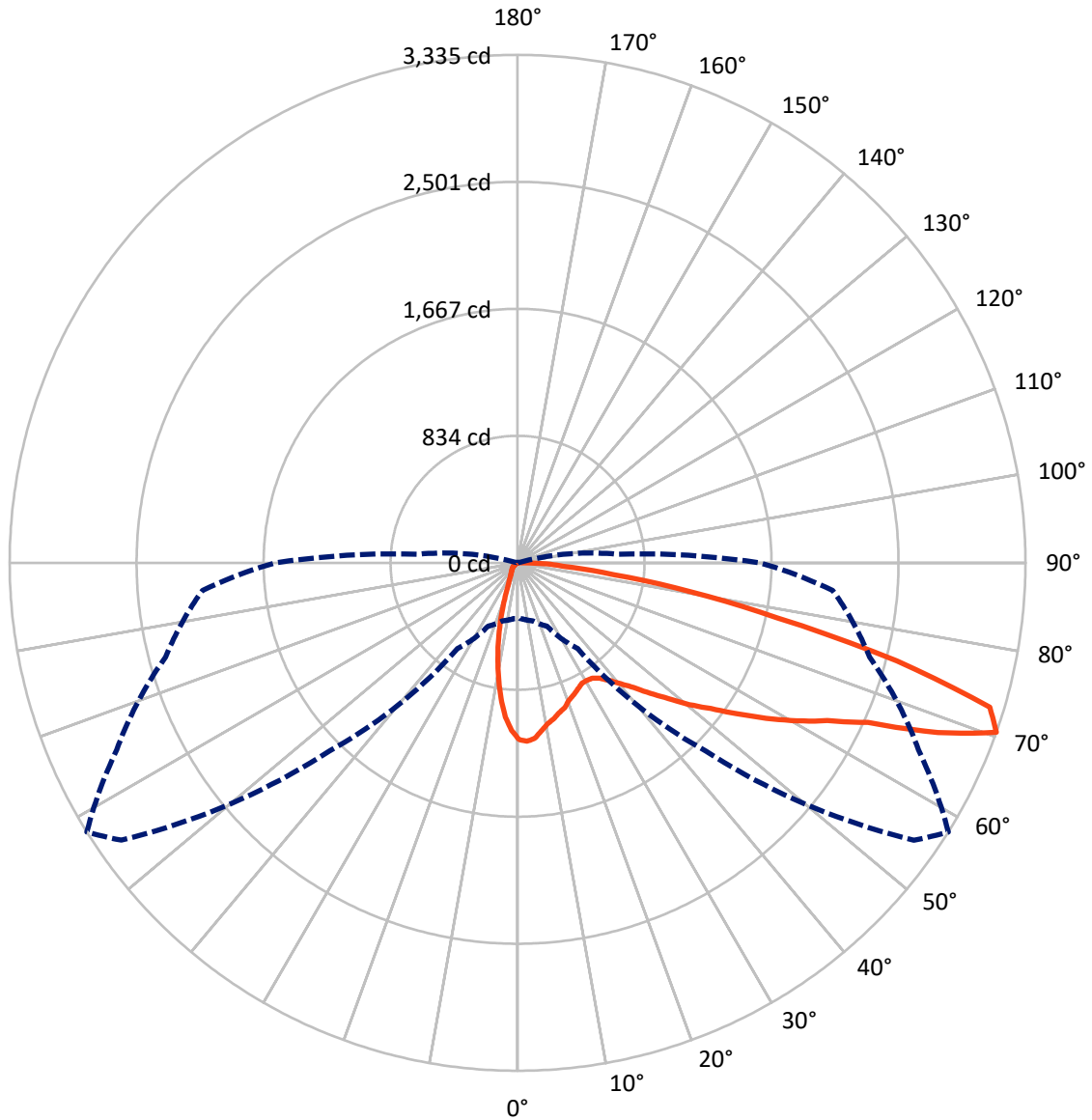
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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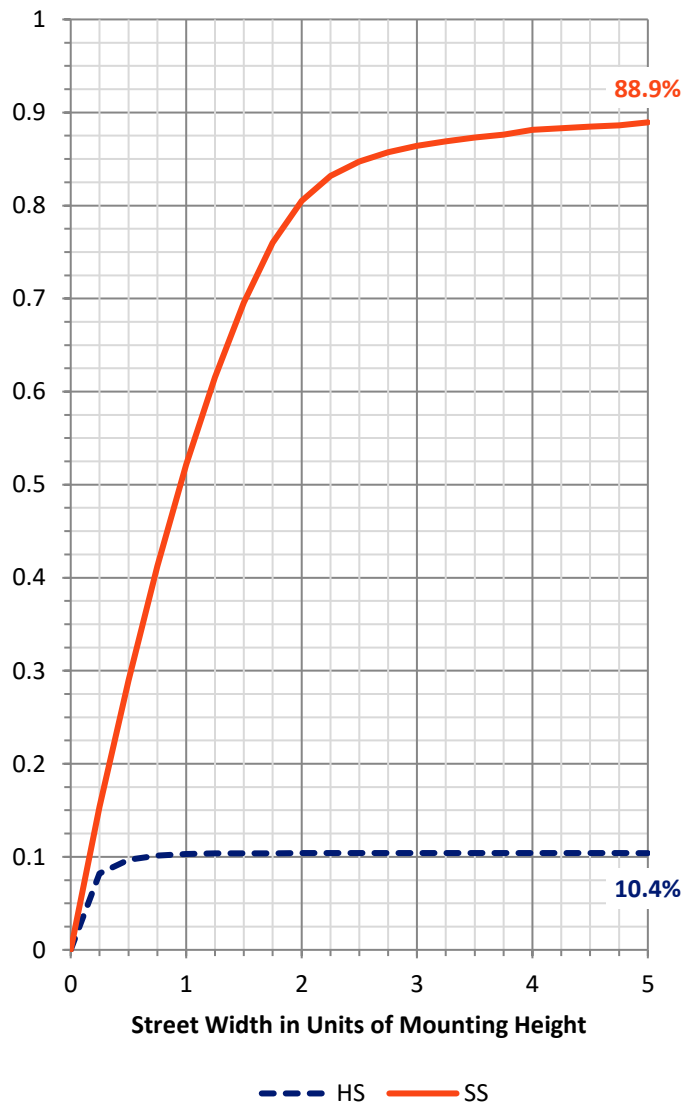
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	391.2	0.0	391.2
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	3344.9	0.0	3344.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	3736.1	0.0	3736.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.6	2.5
10°-20°	197.0	5.3
20°-30°	263.8	7.1
30°-40°	356.6	9.5
40°-50°	511.8	13.7
50°-60°	754.2	20.2
60°-70°	920.0	24.6
70°-80°	561.8	15.0
80°-90°	76.3	2.0
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°	3736.1	100.0
0°-180°	3736.1	100.0

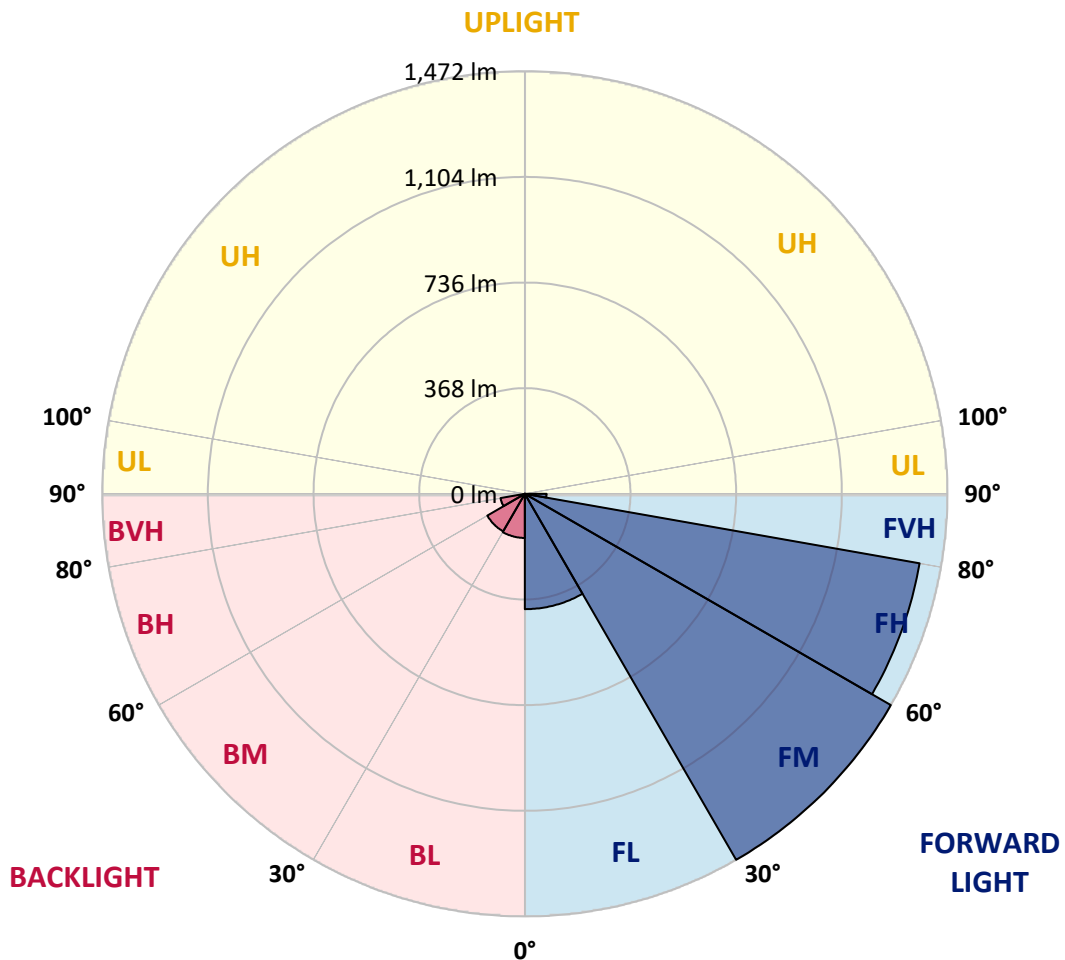


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	401.7	10.8			
FM (30°-60°)	1471.6	39.4			
FH (60°-80°)	1396.0	37.4			G1/1800
FVH (80°-90°)	75.6	2.0			G1/100
BL (0°-30°)	153.8	4.1	B1/500		
BM (30°-60°)	151.0	4.0	B0/220		
BH (60°-80°)	85.7	2.3	B0/110		G0/110
BVH (80°-90°)	0.7	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8
2.5°	1180.8	1185.2	1174.7	1187.0	1175.6	1180.8	1174.7	1172.9	1173.8	1174.7	1167.7
5°	1125.6	1136.2	1140.5	1133.5	1150.2	1147.5	1158.1	1158.9	1154.6	1150.2	1151.0
7.5°	1052.9	1063.4	1067.8	1072.2	1088.9	1110.8	1124.8	1116.0	1123.0	1138.8	1115.1
10°	1000.4	997.7	996.9	1005.6	1037.2	1055.6	1079.2	1076.6	1094.1	1109.0	1089.7
12.5°	935.6	930.3	946.1	953.1	981.1	1013.5	1031.9	1051.2	1068.7	1084.5	1062.6
15°	887.4	891.8	897.9	912.8	932.9	975.8	1003.0	1021.4	1052.9	1060.8	1052.1
17.5°	848.8	852.3	861.1	869.0	894.4	935.6	978.5	1000.4	1033.7	1054.7	1027.5
20°	849.7	839.2	839.2	847.1	861.1	910.2	955.7	962.7	1008.3	1044.2	1025.8
22.5°	850.6	847.1	839.2	838.3	844.5	879.5	925.9	941.7	990.7	1032.8	1010.9
25°	862.8	849.7	850.6	838.3	840.9	858.5	895.3	918.9	975.0	1038.9	1003.0
27.5°	873.4	879.5	867.2	862.0	847.1	846.2	876.9	897.0	967.1	1052.9	1008.3
30°	897.0	901.4	901.4	897.9	883.9	863.7	870.7	896.1	951.3	1050.3	999.5
32.5°	936.4	928.5	939.1	933.8	915.4	883.9	890.0	903.1	961.0	1083.6	1013.5
35°	949.6	955.7	969.7	958.3	952.2	933.8	921.5	931.2	975.0	1116.9	1034.5
37.5°	989.9	981.1	990.7	1016.1	1022.3	989.0	965.3	979.4	1027.5	1156.3	1053.8
40°	993.4	1000.4	1017.9	1067.8	1074.0	1059.9	1040.7	1044.2	1080.1	1207.1	1102.0
42.5°	1010.9	1018.8	1054.7	1096.7	1130.0	1132.7	1118.6	1118.6	1149.3	1288.6	1155.4
45°	1045.1	1031.9	1078.3	1149.3	1197.5	1207.1	1225.5	1221.1	1245.7	1374.4	1255.3
47.5°	1058.2	1062.6	1113.4	1199.2	1254.4	1299.1	1329.7	1330.6	1342.9	1483.9	1384.9
50°	1101.1	1100.2	1161.6	1241.3	1322.7	1404.2	1463.8	1463.8	1462.9	1590.8	1496.2
52.5°	1158.1	1156.3	1203.6	1298.2	1404.2	1506.7	1585.5	1588.2	1608.3	1722.2	1624.1
55°	1250.9	1243.0	1288.6	1358.7	1485.7	1610.1	1746.7	1747.6	1731.8	1815.9	1716.1
57.5°	1328.9	1328.0	1365.7	1433.1	1576.8	1743.2	1901.8	1925.4	1875.5	1912.3	1789.6
60°	1308.7	1320.1	1398.1	1497.9	1673.1	1909.7	2069.1	2105.9	2026.2	1978.0	1844.8
62.5°	1183.5	1209.7	1294.7	1454.1	1754.6	2151.4	2299.5	2282.8	2105.0	2034.0	1912.3
65°	851.5	877.7	982.9	1222.0	1660.0	2322.2	2602.6	2527.2	2245.2	2117.3	2002.5
67.5°	501.1	511.6	577.3	779.6	1241.3	2229.4	2970.5	2976.6	2521.1	2245.2	2158.4
70°	361.8	369.7	395.1	459.9	687.6	1747.6	3175.5	3334.9	2903.9	2392.3	2076.1
72.5°	277.7	277.7	320.6	382.8	438.0	1046.8	2922.3	3242.0	2987.1	2251.3	1673.1
75°	199.7	205.0	251.4	329.4	403.8	525.6	2153.2	2572.8	2531.6	1824.7	1168.6
77.5°	114.8	117.4	176.9	275.9	379.3	360.9	1330.6	1744.1	1793.1	1142.3	506.3
80°	58.7	60.4	99.0	218.1	343.4	314.5	793.6	1148.4	974.1	332.0	117.4
82.5°	28.9	28.9	44.7	139.3	291.7	278.6	466.9	634.2	345.1	76.2	49.1
85°	9.6	10.5	20.1	78.8	211.1	168.2	285.6	301.3	115.6	28.9	27.2
87.5°	2.6	3.5	5.3	28.9	92.0	110.4	169.9	192.7	47.3	11.4	13.1
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°	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8	1159.8
2.5°	1141.4	1135.3	1128.3	1110.8	1096.7	1078.3	1066.1	1056.4	1038.0	1041.5	1033.7
5°	1130.0	1118.6	1078.3	1039.8	1004.8	951.3	914.5	890.9	871.6	852.3	866.4
7.5°	1109.9	1082.7	1019.6	947.8	873.4	803.3	733.2	691.2	660.5	632.5	631.6
10°	1075.7	1031.9	932.9	839.2	724.4	632.5	543.1	473.0	427.5	394.2	393.3
12.5°	1037.2	991.6	867.2	714.8	582.5	452.9	346.0	271.6	228.6	202.4	198.8
15°	1012.6	946.1	784.9	604.4	440.6	295.2	191.8	145.4	128.8	122.6	122.6
17.5°	981.1	904.9	703.4	489.7	305.7	170.8	124.4	112.1	111.3	109.5	107.7
20°	968.0	873.4	630.7	390.7	193.6	120.9	106.9	104.2	104.2	102.5	100.7
22.5°	932.9	827.8	553.6	286.4	128.8	106.0	100.7	97.2	95.5	93.7	95.5
25°	917.2	795.4	480.9	198.0	105.1	94.6	92.0	88.5	85.8	85.0	85.0
27.5°	906.6	763.0	410.0	137.5	92.9	86.7	81.5	78.8	75.3	71.8	71.8
30°	898.8	737.6	341.6	101.6	83.2	77.1	72.7	66.6	62.2	58.7	58.7
32.5°	888.3	707.8	273.3	86.7	75.3	69.2	61.3	56.1	49.9	47.3	47.3
35°	891.8	687.6	214.6	77.1	67.5	59.6	52.6	45.6	39.4	36.8	35.9
37.5°	898.8	672.8	162.9	69.2	60.4	51.7	43.8	35.9	32.4	28.9	28.9
40°	928.5	668.4	120.0	63.9	55.2	45.6	36.8	29.8	26.3	23.7	22.8
42.5°	978.5	674.5	92.9	57.8	49.9	38.5	30.7	24.5	21.0	18.4	17.5
45°	1042.4	698.2	76.2	54.3	43.8	32.4	24.5	20.1	15.8	14.0	14.0
47.5°	1135.3	735.0	66.6	49.9	38.5	27.2	21.0	15.8	12.3	10.5	10.5
50°	1240.4	777.0	58.7	44.7	33.3	22.8	16.6	12.3	8.8	7.9	7.9
52.5°	1345.5	830.4	54.3	41.2	28.9	18.4	13.1	8.8	6.1	5.3	5.3
55°	1455.9	877.7	49.1	38.5	23.7	14.9	9.6	5.3	3.5	2.6	2.6
57.5°	1533.0	896.1	42.9	33.3	18.4	11.4	7.0	3.5	1.8	0.9	0.9
60°	1588.2	898.8	36.8	27.2	14.0	8.8	4.4	1.8	0.9	0.0	0.0
62.5°	1634.6	904.0	31.5	21.0	10.5	6.1	2.6	0.9	0.0	0.0	0.0
65°	1726.6	899.6	25.4	16.6	7.0	3.5	1.8	0.0	0.0	0.0	0.0
67.5°	1799.3	855.8	20.1	11.4	4.4	1.8	0.9	0.0	0.0	0.0	0.0
70°	1591.7	652.6	15.8	7.9	2.6	0.9	0.0	0.0	0.0	0.0	0.0
72.5°	1250.0	435.4	10.5	4.4	1.8	0.9	0.0	0.0	0.0	0.0	0.0
75°	819.9	216.4	7.9	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	318.9	56.9	5.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	77.1	19.3	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	33.3	7.0	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	20.1	3.5	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.5	1.8	0.9	0.9	0.0	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)