

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: P676832

Luminaire Tested: **CCW-SA-1E-730-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676832
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-730-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/
SL2 distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

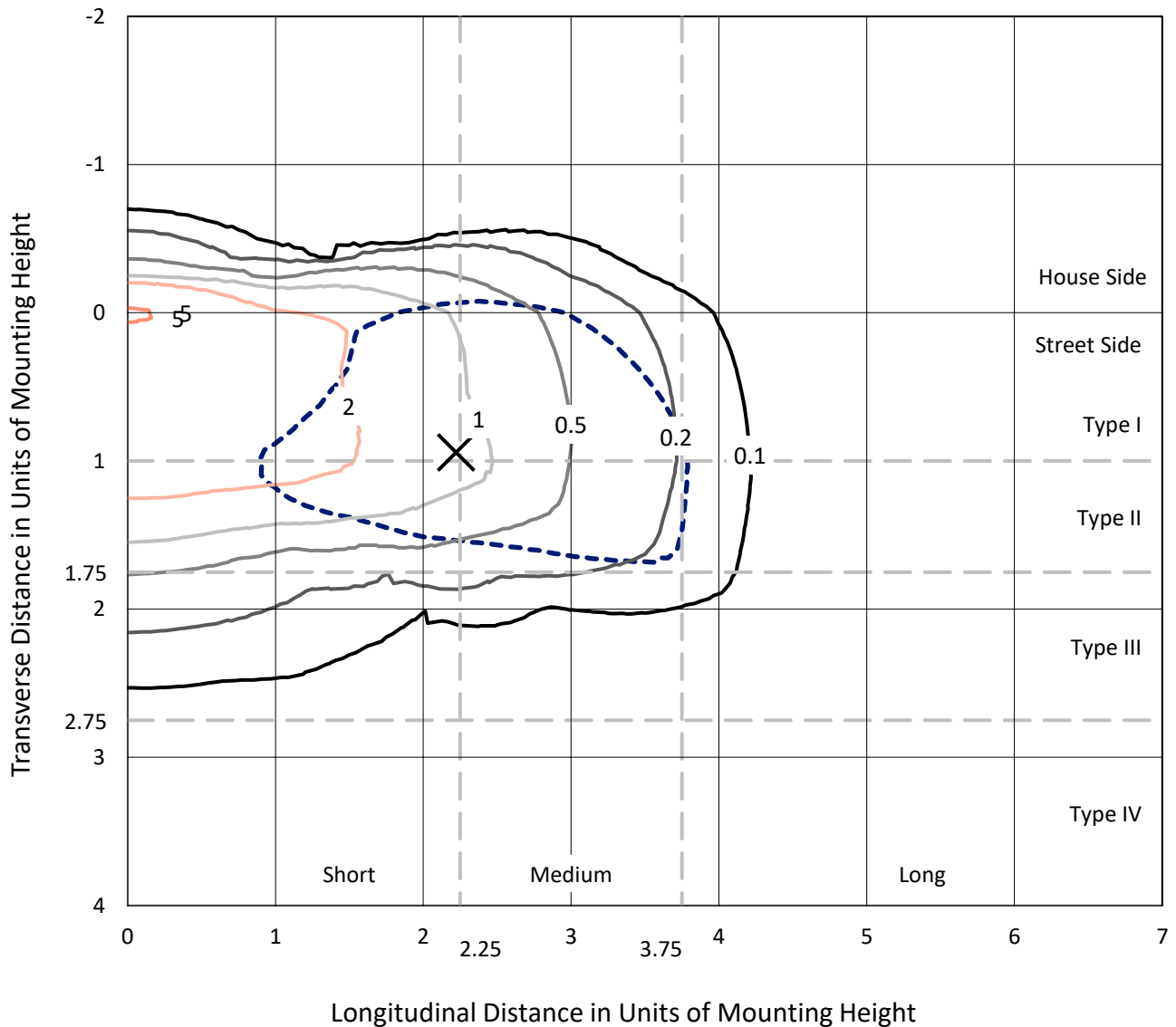
Lumens per Lamp: N/A
Luminaire Lumens: 5006.5 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (A_{in}): 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

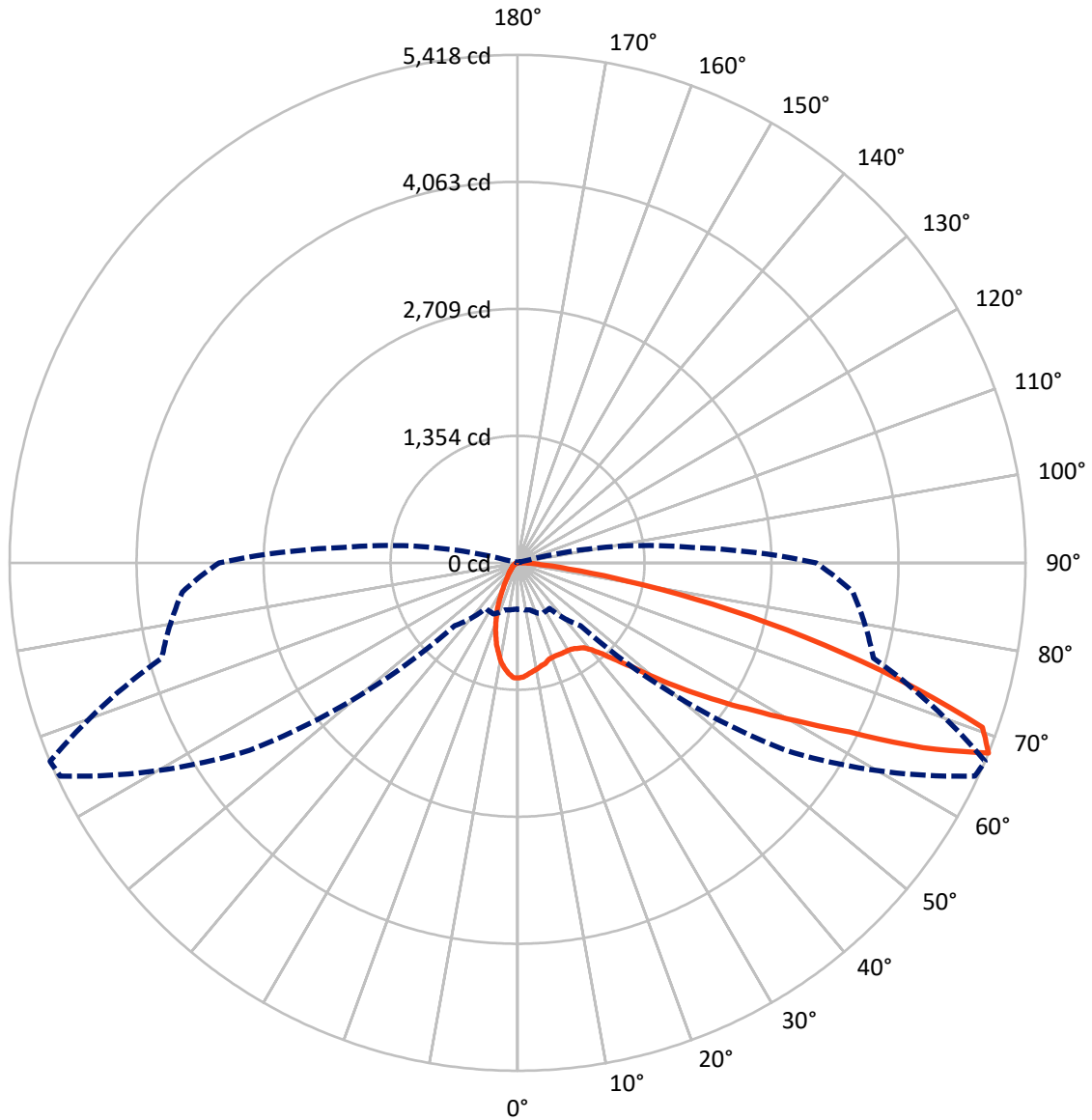
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 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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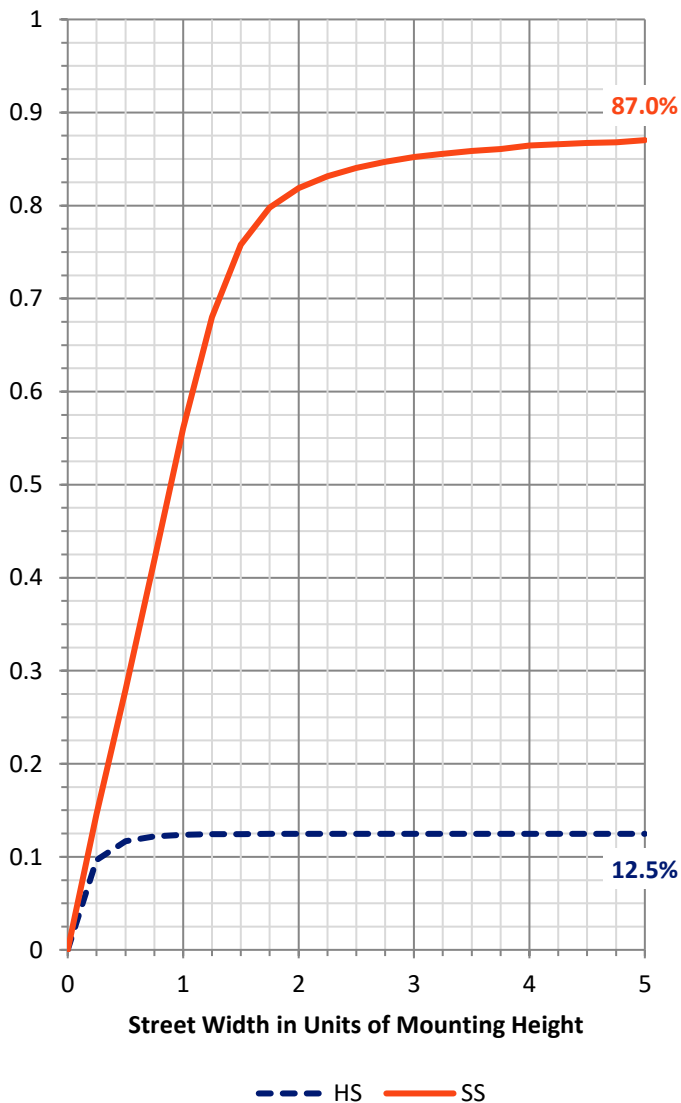
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	630.1	0.0	630.1
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	4376.4	0.0	4376.4
	% Fixture	87.4	0.0	87.4
Total	Lumens	5006.5	0.0	5006.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.5	2.1
10°-20°	229.8	4.6
20°-30°	326.8	6.5
30°-40°	475.9	9.5
40°-50°	736.6	14.7
50°-60°	1130.4	22.6
60°-70°	1225.4	24.5
70°-80°	691.3	13.8
80°-90°	86.9	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°	5006.5	100.0
0°-180°	5006.5	100.0

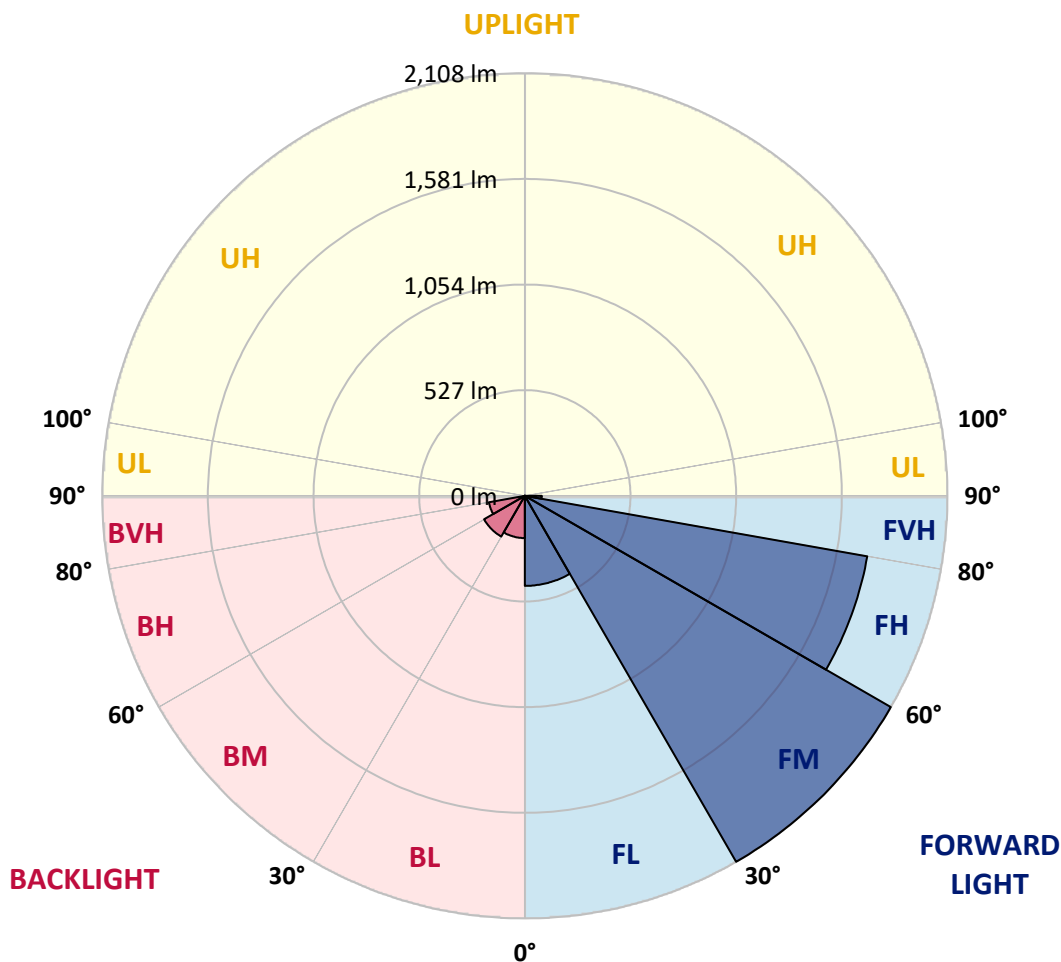


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	449.2	9.0			
FM (30°-60°)	2108.2	42.1			
FH (60°-80°)	1734.7	34.6			G1/1800
FVH (80°-90°)	84.4	1.7			G1/100
BL (0°-30°)	210.9	4.2	B1/500		
BM (30°-60°)	234.7	4.7	B1/1000		
BH (60°-80°)	182.0	3.6	B1/500		G1/500
BVH (80°-90°)	2.5	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°	1228.0	1228.0	1228.0	1228.0	1228.0	1228.0	1228.0	1228.0	1228.0	1228.0	1228.0
2.5°	1174.9	1181.0	1189.4	1201.5	1209.9	1205.1	1208.7	1229.2	1218.4	1228.0	1223.2
5°	1109.8	1115.8	1127.9	1126.7	1136.3	1154.4	1178.5	1205.1	1193.0	1222.0	1232.8
7.5°	1042.2	1039.8	1039.8	1065.2	1085.7	1111.0	1124.3	1167.7	1168.9	1194.2	1220.8
10°	980.7	988.0	1000.0	1009.7	1029.0	1065.2	1103.8	1137.5	1150.8	1201.5	1208.7
12.5°	943.3	946.9	961.4	969.9	995.2	1030.2	1071.2	1114.6	1125.5	1177.3	1212.3
15°	927.6	936.1	940.9	956.6	969.9	1002.4	1032.6	1082.0	1113.4	1154.4	1197.8
17.5°	939.7	936.1	938.5	943.3	959.0	988.0	1020.5	1070.0	1080.8	1149.6	1214.7
20°	955.4	956.6	949.4	946.9	943.3	971.1	997.6	1061.5	1073.6	1149.6	1225.6
22.5°	997.6	984.3	997.6	978.3	959.0	971.1	996.4	1062.7	1071.2	1148.4	1236.5
25°	1049.5	1051.9	1055.5	1014.5	986.7	978.3	1004.8	1066.4	1073.6	1158.0	1241.3
27.5°	1123.1	1133.9	1115.8	1095.3	1039.8	997.6	1003.6	1064.0	1077.2	1153.2	1253.3
30°	1222.0	1213.5	1215.9	1168.9	1114.6	1048.3	1031.4	1070.0	1079.6	1159.2	1276.3
32.5°	1307.6	1298.0	1314.9	1298.0	1212.3	1120.6	1064.0	1082.0	1092.9	1173.7	1295.6
35°	1360.7	1372.8	1399.3	1417.4	1345.0	1214.7	1118.2	1114.6	1119.4	1181.0	1310.0
37.5°	1442.7	1464.4	1486.2	1532.0	1469.3	1330.5	1203.9	1156.8	1148.4	1215.9	1317.3
40°	1532.0	1526.0	1589.9	1644.2	1641.8	1493.4	1323.3	1231.6	1219.6	1271.4	1365.5
42.5°	1606.8	1600.8	1671.9	1761.2	1770.8	1650.2	1459.6	1337.8	1326.9	1357.1	1424.6
45°	1704.5	1709.3	1793.8	1899.9	1934.9	1857.7	1644.2	1489.8	1483.7	1474.1	1536.8
47.5°	1791.3	1817.9	1890.3	2015.7	2142.4	2072.4	1861.3	1711.7	1669.5	1647.8	1710.5
50°	1851.7	1875.8	1963.8	2097.7	2329.4	2374.0	2105.0	1948.2	1949.4	1896.3	1930.1
52.5°	1851.7	1850.5	1921.6	2097.7	2459.6	2688.8	2430.7	2246.1	2255.8	2200.3	2202.7
55°	1673.1	1669.5	1756.4	1943.3	2445.2	2991.6	2924.1	2623.7	2599.6	2492.2	2503.1
57.5°	1347.4	1355.9	1422.2	1646.6	2257.0	3132.7	3511.5	3048.3	2966.3	2744.3	2744.3
60°	983.1	975.9	1025.3	1182.2	1808.2	3079.7	3994.0	3548.9	3419.8	2953.0	2921.6
62.5°	747.9	746.7	760.0	813.0	1147.2	2685.2	4201.5	4185.8	3975.9	3158.1	3113.4
65°	604.4	606.8	624.9	662.3	700.9	1831.2	4091.7	4945.8	4754.0	3463.3	3317.3
67.5°	493.4	499.4	521.1	601.9	593.5	948.1	3485.0	5381.3	5417.5	3928.9	3591.1
70°	380.0	389.6	415.0	529.6	571.8	630.9	2416.2	5164.1	5260.6	4218.4	3425.9
72.5°	258.1	256.9	311.2	429.4	577.8	577.8	1345.0	4159.3	4251.0	3889.1	2975.9
75°	139.9	148.4	206.3	324.5	529.6	558.5	766.0	3043.5	3172.6	3024.2	2301.6
77.5°	76.0	77.2	114.6	212.3	440.3	533.2	511.5	2070.0	2120.7	1823.9	1260.6
80°	39.8	41.0	60.3	138.7	304.0	494.6	425.8	1234.0	1185.8	699.7	416.2
82.5°	18.1	19.3	30.2	86.9	194.2	389.6	367.9	595.9	550.1	195.4	126.7
85°	7.2	7.2	13.3	51.9	113.4	191.8	314.8	299.2	249.7	59.1	62.7
87.5°	2.4	2.4	3.6	20.5	45.8	114.6	167.7	158.0	108.6	21.7	33.8
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°	1228.0	1228.0	1228.0	1228.0	1228.0	1228.0	1228.0	1228.0	1228.0	1228.0	1228.0
2.5°	1218.4	1231.6	1228.0	1225.6	1202.7	1200.3	1197.8	1176.1	1183.4	1165.3	1177.3
5°	1225.6	1232.8	1213.5	1177.3	1144.8	1108.6	1080.8	1061.5	1026.6	1013.3	1010.9
7.5°	1218.4	1218.4	1178.5	1120.6	1056.7	997.6	922.8	869.7	829.9	799.8	810.6
10°	1208.7	1194.2	1153.2	1050.7	934.9	845.6	738.3	659.8	600.7	581.4	569.4
12.5°	1208.7	1183.4	1091.7	951.8	802.2	667.1	539.2	436.7	380.0	346.2	341.4
15°	1197.8	1160.5	1047.1	858.9	673.1	489.8	343.8	255.7	207.5	194.2	189.4
17.5°	1200.3	1155.6	980.7	749.1	522.3	325.7	209.9	161.6	149.6	143.5	144.8
20°	1205.1	1155.6	921.6	641.7	376.4	202.7	144.8	136.3	130.3	127.9	129.1
22.5°	1220.8	1132.7	861.3	532.0	254.5	146.0	127.9	119.4	114.6	111.0	109.8
25°	1223.2	1129.1	803.4	423.4	174.9	123.0	112.2	102.5	96.5	91.7	90.5
27.5°	1219.6	1113.4	722.6	314.8	131.5	109.8	95.3	85.6	77.2	73.6	72.4
30°	1232.8	1084.5	653.8	226.8	111.0	95.3	80.8	70.0	62.7	57.9	57.9
32.5°	1234.0	1059.1	577.8	161.6	101.3	84.4	68.8	56.7	49.5	47.0	47.0
35°	1235.2	1036.2	493.4	123.0	90.5	72.4	56.7	47.0	42.2	38.6	38.6
37.5°	1238.9	1019.3	416.2	103.7	80.8	61.5	47.0	38.6	33.8	32.6	32.6
40°	1246.1	996.4	335.3	91.7	70.0	51.9	39.8	32.6	27.7	26.5	25.3
42.5°	1265.4	990.4	267.8	82.0	62.7	43.4	32.6	26.5	22.9	20.5	19.3
45°	1345.0	1006.0	207.5	76.0	53.1	36.2	27.7	21.7	16.9	15.7	14.5
47.5°	1475.3	1057.9	164.1	67.6	44.6	30.2	22.9	16.9	13.3	12.1	10.9
50°	1673.1	1176.1	133.9	60.3	37.4	25.3	18.1	13.3	9.7	8.4	8.4
52.5°	1932.5	1335.4	115.8	53.1	30.2	21.7	14.5	9.7	7.2	6.0	6.0
55°	2197.9	1523.5	108.6	45.8	25.3	18.1	10.9	7.2	4.8	3.6	3.6
57.5°	2441.5	1645.4	104.9	37.4	21.7	13.3	8.4	4.8	2.4	1.2	1.2
60°	2593.5	1734.6	94.1	30.2	16.9	10.9	6.0	2.4	1.2	0.0	0.0
62.5°	2793.8	1825.1	77.2	22.9	12.1	7.2	3.6	1.2	0.0	0.0	0.0
65°	3058.0	1926.5	60.3	18.1	9.7	4.8	2.4	1.2	0.0	0.0	0.0
67.5°	3184.6	1873.4	41.0	13.3	6.0	2.4	1.2	0.0	0.0	0.0	0.0
70°	2931.3	1577.8	29.0	9.7	3.6	1.2	1.2	0.0	0.0	0.0	0.0
72.5°	2464.5	1236.5	21.7	6.0	2.4	1.2	0.0	0.0	0.0	0.0	0.0
75°	1816.7	773.2	16.9	4.8	2.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	963.8	288.3	12.1	3.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0
80°	284.7	84.4	8.4	2.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	94.1	25.3	4.8	2.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	48.3	9.7	2.4	2.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	27.7	3.6	2.4	2.4	1.2	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)