

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: P676955

Luminaire Tested: **CCW-SA-1F-722-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676955
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-722-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1200mA w/
SL3 distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

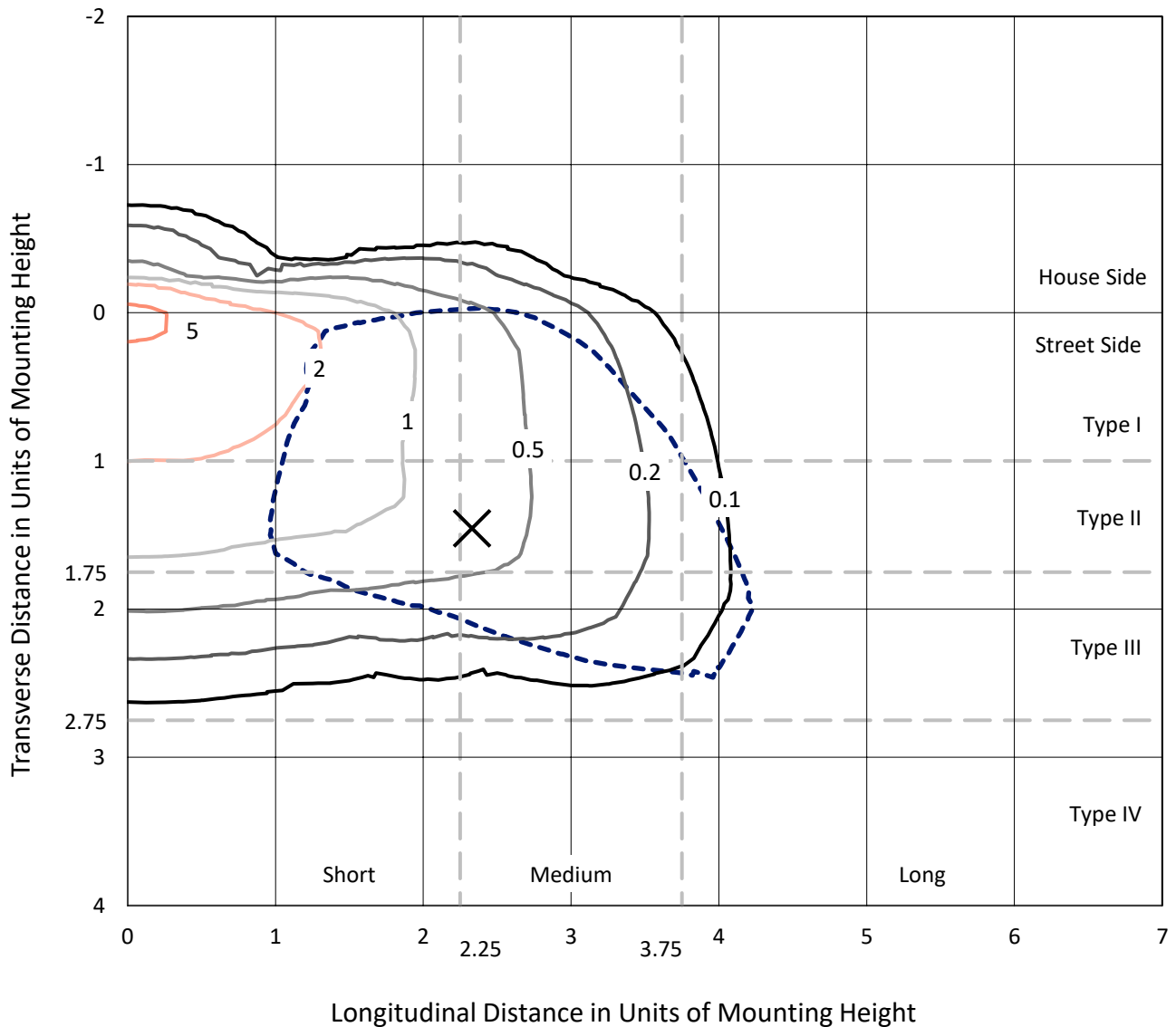
Lumens per Lamp: N/A
Luminaire Lumens: 4563.7 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 67
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

REPORT NUMBER: P676955
 CATALOG NUMBER: CCW-SA-1F-722-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

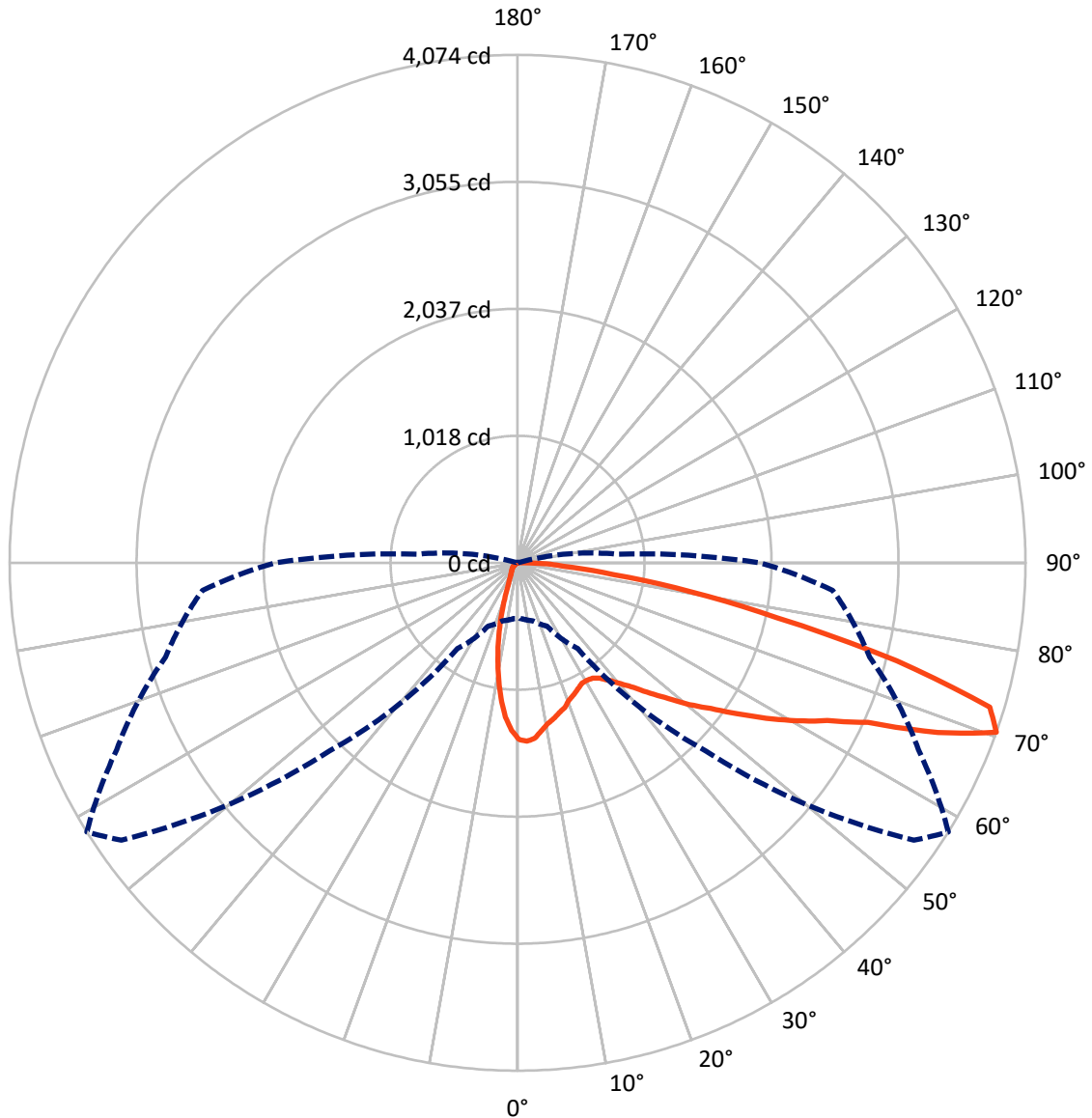
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P676955
CATALOG NUMBER: CCW-SA-1F-722-U-SL3-HSS

Luminous Intensity Polar Plot



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



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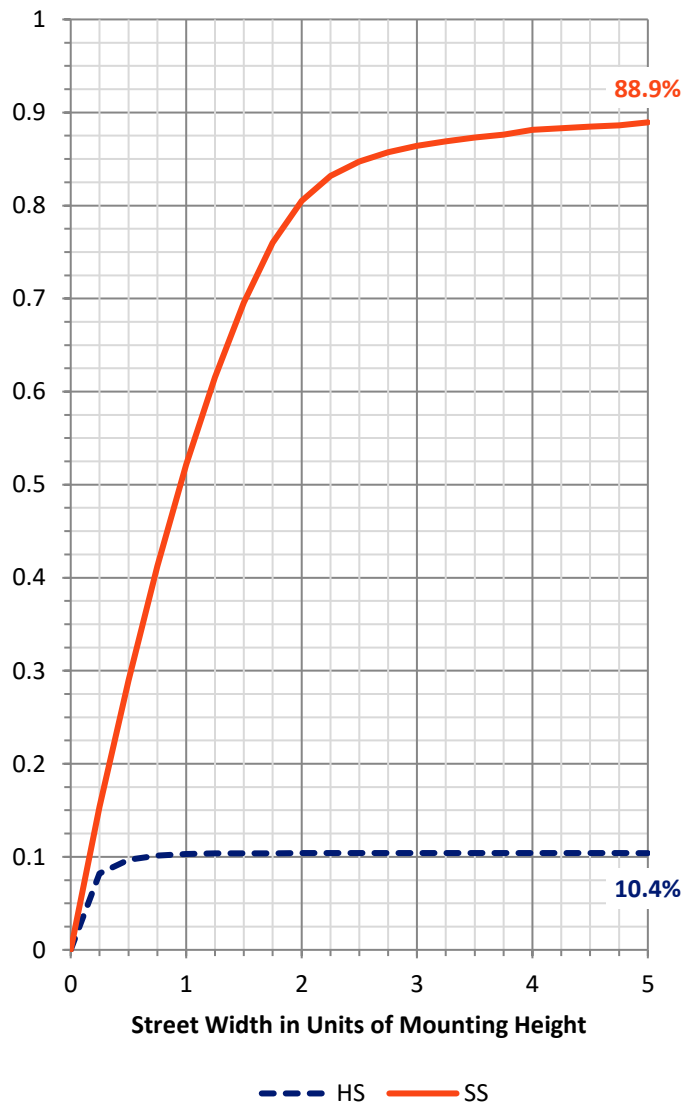
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	477.9	0.0	477.9
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	4085.8	0.0	4085.8
	% Fixture	89.5	0.0	89.5
Total	Lumens	4563.7	0.0	4563.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.6	2.5
10°-20°	240.7	5.3
20°-30°	322.2	7.1
30°-40°	435.6	9.5
40°-50°	625.2	13.7
50°-60°	921.3	20.2
60°-70°	1123.8	24.6
70°-80°	686.2	15.0
80°-90°	93.2	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°	4563.7	100.0
0°-180°	4563.7	100.0

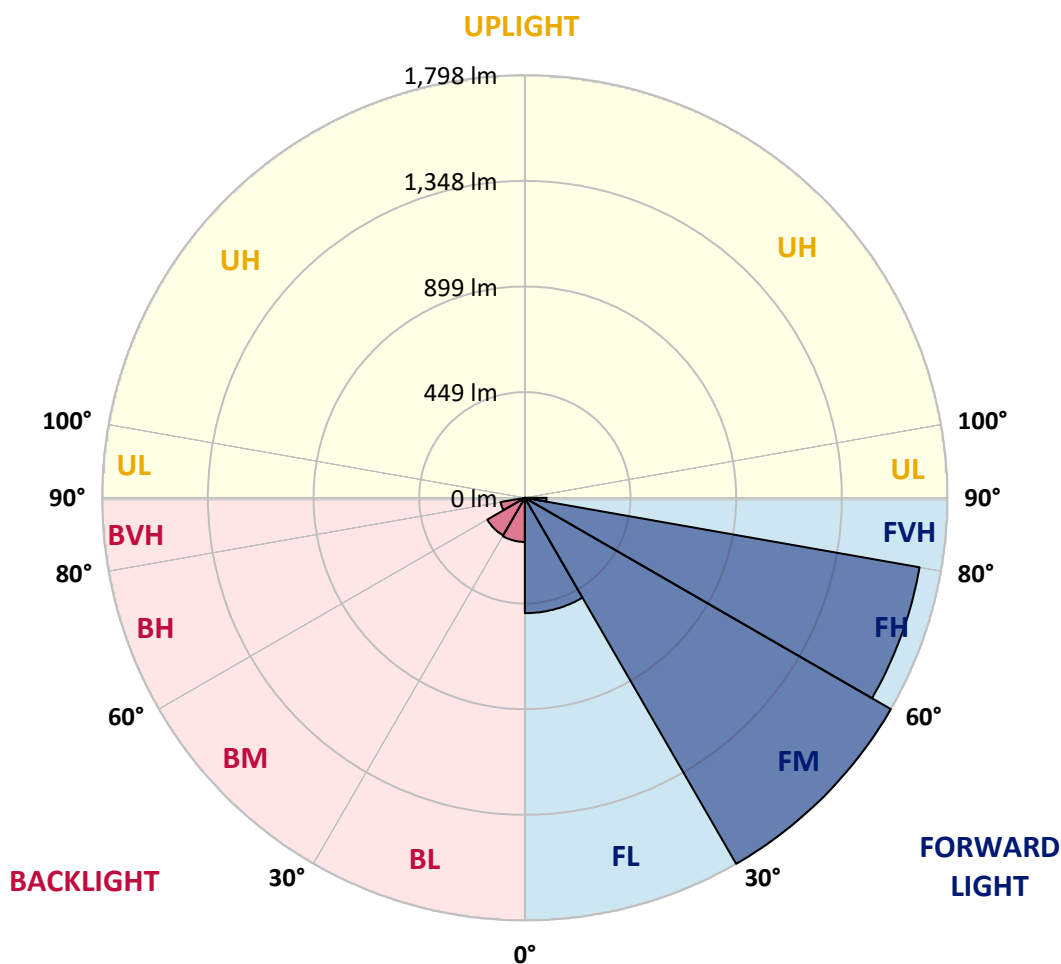


REPORT NUMBER: P676955
 CATALOG NUMBER: CCW-SA-1F-722-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	490.7	10.8			
FM (30°-60°)	1797.6	39.4			
FH (60°-80°)	1705.2	37.4			G1/1800
FVH (80°-90°)	92.3	2.0			G1/100
BL (0°-30°)	187.8	4.1	B1/500		
BM (30°-60°)	184.4	4.0	B0/220		
BH (60°-80°)	104.7	2.3	B0/110		G0/110
BVH (80°-90°)	0.9	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





REPORT NUMBER: P676955

CATALOG NUMBER: CCW-SA-1F-722-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7
2.5°	1442.4	1447.8	1434.9	1449.9	1436.0	1442.4	1434.9	1432.8	1433.8	1434.9	1426.4
5°	1375.0	1387.8	1393.2	1384.6	1405.0	1401.7	1414.6	1415.7	1410.3	1405.0	1406.0
7.5°	1286.2	1299.0	1304.4	1309.7	1330.0	1356.8	1373.9	1363.2	1371.8	1391.0	1362.1
10°	1222.0	1218.8	1217.7	1228.4	1266.9	1289.4	1318.3	1315.1	1336.5	1354.7	1331.1
12.5°	1142.8	1136.4	1155.6	1164.2	1198.4	1238.0	1260.5	1284.0	1305.4	1324.7	1297.9
15°	1083.9	1089.3	1096.8	1115.0	1139.6	1192.0	1225.2	1247.7	1286.2	1295.8	1285.1
17.5°	1036.9	1041.1	1051.8	1061.5	1092.5	1142.8	1195.2	1222.0	1262.6	1288.3	1255.1
20°	1037.9	1025.1	1025.1	1034.7	1051.8	1111.8	1167.4	1176.0	1231.6	1275.5	1253.0
22.5°	1039.0	1034.7	1025.1	1024.0	1031.5	1074.3	1131.0	1150.3	1210.2	1261.6	1234.8
25°	1054.0	1037.9	1039.0	1024.0	1027.2	1048.6	1093.6	1122.5	1190.9	1269.1	1225.2
27.5°	1066.8	1074.3	1059.3	1052.9	1034.7	1033.6	1071.1	1095.7	1181.3	1286.2	1231.6
30°	1095.7	1101.1	1101.1	1096.8	1079.7	1055.1	1063.6	1094.6	1162.1	1283.0	1220.9
32.5°	1143.9	1134.2	1147.1	1140.7	1118.2	1079.7	1087.2	1103.2	1173.8	1323.6	1238.0
35°	1159.9	1167.4	1184.5	1170.6	1163.1	1140.7	1125.7	1137.4	1190.9	1364.3	1263.7
37.5°	1209.1	1198.4	1210.2	1241.2	1248.7	1208.1	1179.2	1196.3	1255.1	1412.4	1287.2
40°	1213.4	1222.0	1243.4	1304.4	1311.9	1294.7	1271.2	1275.5	1319.3	1474.5	1346.1
42.5°	1234.8	1244.4	1288.3	1339.7	1380.3	1383.5	1366.4	1366.4	1403.9	1574.0	1411.4
45°	1276.5	1260.5	1317.2	1403.9	1462.7	1474.5	1497.0	1491.6	1521.6	1678.9	1533.4
47.5°	1292.6	1297.9	1360.0	1464.9	1532.3	1586.9	1624.3	1625.4	1640.4	1812.6	1691.7
50°	1345.0	1344.0	1418.9	1516.2	1615.7	1715.3	1788.0	1788.0	1787.0	1943.2	1827.6
52.5°	1414.6	1412.4	1470.2	1585.8	1715.3	1840.5	1936.8	1940.0	1964.6	2103.7	1983.8
55°	1528.0	1518.4	1574.0	1659.6	1814.8	1966.7	2133.6	2134.7	2115.5	2218.2	2096.2
57.5°	1623.2	1622.2	1668.2	1750.6	1926.1	2129.4	2323.0	2351.9	2290.9	2335.9	2186.1
60°	1598.6	1612.5	1707.8	1829.8	2043.8	2332.7	2527.4	2572.4	2475.0	2416.1	2253.5
62.5°	1445.6	1477.7	1581.5	1776.3	2143.3	2628.0	2808.8	2788.5	2571.3	2484.6	2335.9
65°	1040.1	1072.2	1200.6	1492.7	2027.7	2836.7	3179.1	3087.0	2742.5	2586.3	2446.1
67.5°	612.1	624.9	705.2	952.3	1516.2	2723.2	3628.5	3636.0	3079.5	2742.5	2636.6
70°	441.9	451.6	482.6	561.8	840.0	2134.7	3878.9	4073.6	3547.2	2922.3	2536.0
72.5°	339.2	339.2	391.6	467.6	535.0	1278.7	3569.6	3960.2	3648.8	2750.0	2043.8
75°	244.0	250.4	307.1	402.3	493.3	642.0	2630.1	3142.7	3092.4	2228.9	1427.4
77.5°	140.2	143.4	216.1	337.1	463.3	440.9	1625.4	2130.4	2190.4	1395.3	618.5
80°	71.7	73.8	120.9	266.4	419.5	384.1	969.4	1402.8	1189.9	405.5	143.4
82.5°	35.3	35.3	54.6	170.1	356.3	340.3	570.3	774.7	421.6	93.1	59.9
85°	11.8	12.8	24.6	96.3	257.9	205.4	348.8	368.1	141.2	35.3	33.2
87.5°	3.2	4.3	6.4	35.3	112.4	134.8	207.6	235.4	57.8	13.9	16.1
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: P676955

CATALOG NUMBER: CCW-SA-1F-722-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7	1416.7
2.5°	1394.3	1386.8	1378.2	1356.8	1339.7	1317.2	1302.2	1290.5	1268.0	1272.3	1262.6
5°	1380.3	1366.4	1317.2	1270.1	1227.3	1162.1	1117.1	1088.2	1064.7	1041.1	1058.3
7.5°	1355.7	1322.6	1245.5	1157.8	1066.8	981.2	895.6	844.3	806.8	772.6	771.5
10°	1314.0	1260.5	1139.6	1025.1	884.9	772.6	663.4	577.8	522.2	481.5	480.4
12.5°	1266.9	1211.3	1059.3	873.1	711.6	553.2	422.7	331.7	279.3	247.2	242.9
15°	1237.0	1155.6	958.7	738.3	538.2	360.6	234.3	177.6	157.3	149.8	149.8
17.5°	1198.4	1105.3	859.2	598.1	373.4	208.7	151.9	137.0	135.9	133.8	131.6
20°	1182.4	1066.8	770.4	477.2	236.5	147.7	130.5	127.3	127.3	125.2	123.1
22.5°	1139.6	1011.2	676.3	349.9	157.3	129.5	123.1	118.8	116.6	114.5	116.6
25°	1120.3	971.6	587.4	241.8	128.4	115.6	112.4	108.1	104.9	103.8	103.8
27.5°	1107.5	932.0	500.8	168.0	113.4	105.9	99.5	96.3	92.0	87.7	87.7
30°	1097.9	901.0	417.3	124.1	101.7	94.2	88.8	81.3	76.0	71.7	71.7
32.5°	1085.0	864.6	333.8	105.9	92.0	84.5	74.9	68.5	61.0	57.8	57.8
35°	1089.3	840.0	262.2	94.2	82.4	72.8	64.2	55.6	48.2	44.9	43.9
37.5°	1097.9	821.8	199.0	84.5	73.8	63.1	53.5	43.9	39.6	35.3	35.3
40°	1134.2	816.4	146.6	78.1	67.4	55.6	44.9	36.4	32.1	28.9	27.8
42.5°	1195.2	823.9	113.4	70.6	61.0	47.1	37.5	30.0	25.7	22.5	21.4
45°	1273.3	852.8	93.1	66.3	53.5	39.6	30.0	24.6	19.3	17.1	17.1
47.5°	1386.8	897.8	81.3	61.0	47.1	33.2	25.7	19.3	15.0	12.8	12.8
50°	1515.2	949.1	71.7	54.6	40.7	27.8	20.3	15.0	10.7	9.6	9.6
52.5°	1643.6	1014.4	66.3	50.3	35.3	22.5	16.1	10.7	7.5	6.4	6.4
55°	1778.4	1072.2	59.9	47.1	28.9	18.2	11.8	6.4	4.3	3.2	3.2
57.5°	1872.6	1094.6	52.4	40.7	22.5	13.9	8.6	4.3	2.1	1.1	1.1
60°	1940.0	1097.9	44.9	33.2	17.1	10.7	5.4	2.1	1.1	0.0	0.0
62.5°	1996.7	1104.3	38.5	25.7	12.8	7.5	3.2	1.1	0.0	0.0	0.0
65°	2109.0	1098.9	31.0	20.3	8.6	4.3	2.1	0.0	0.0	0.0	0.0
67.5°	2197.8	1045.4	24.6	13.9	5.4	2.1	1.1	0.0	0.0	0.0	0.0
70°	1944.2	797.2	19.3	9.6	3.2	1.1	0.0	0.0	0.0	0.0	0.0
72.5°	1526.9	531.8	12.8	5.4	2.1	1.1	0.0	0.0	0.0	0.0	0.0
75°	1001.5	264.3	9.6	3.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	389.5	69.6	6.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	94.2	23.5	3.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	40.7	8.6	2.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	24.6	4.3	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.8	2.1	1.1	1.1	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)