

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: P676966

Luminaire Tested: **CCW-SA-1F-727-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676966
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-727-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) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

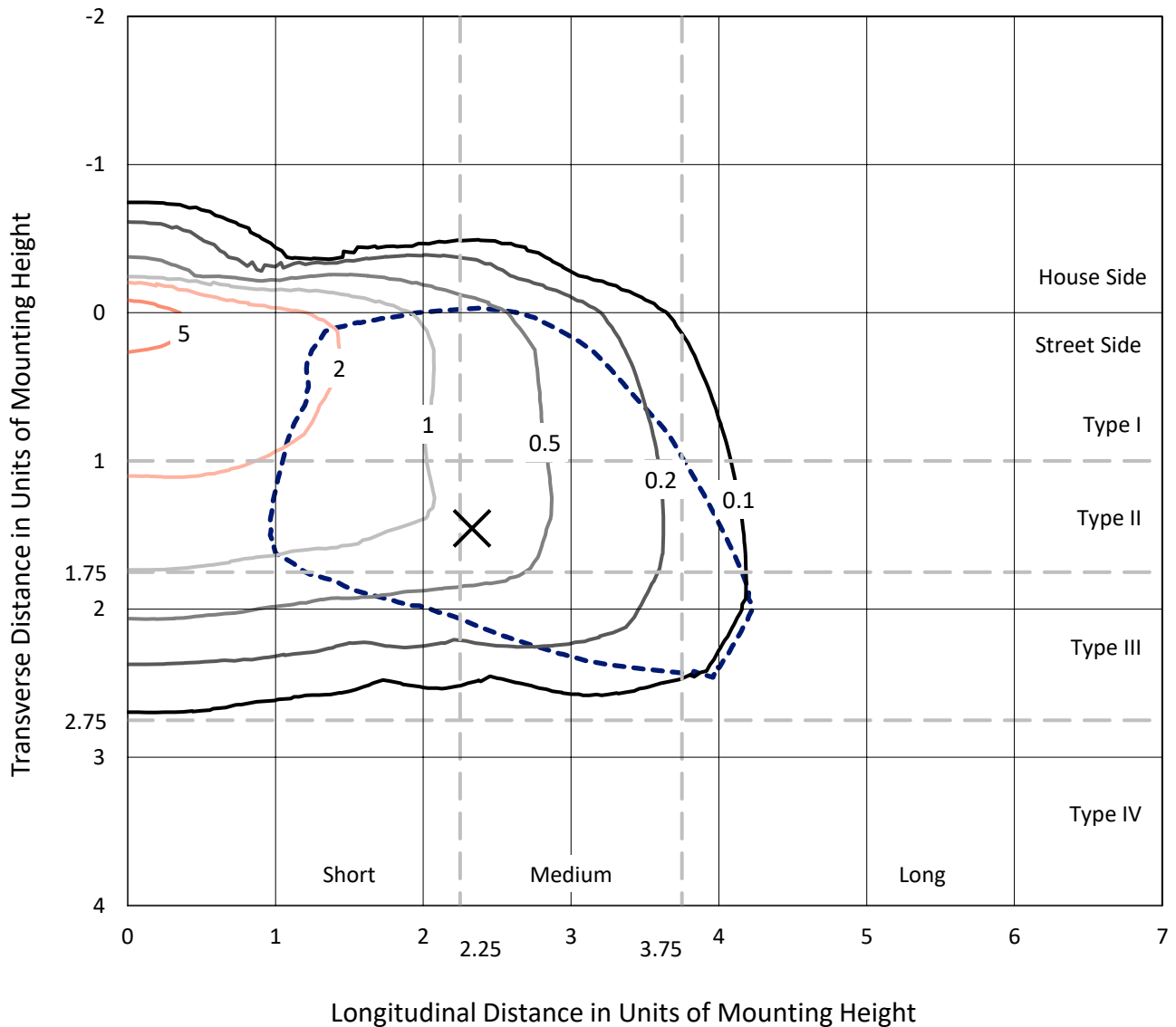
Lumens per Lamp: N/A
Luminaire Lumens: 5181.4 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

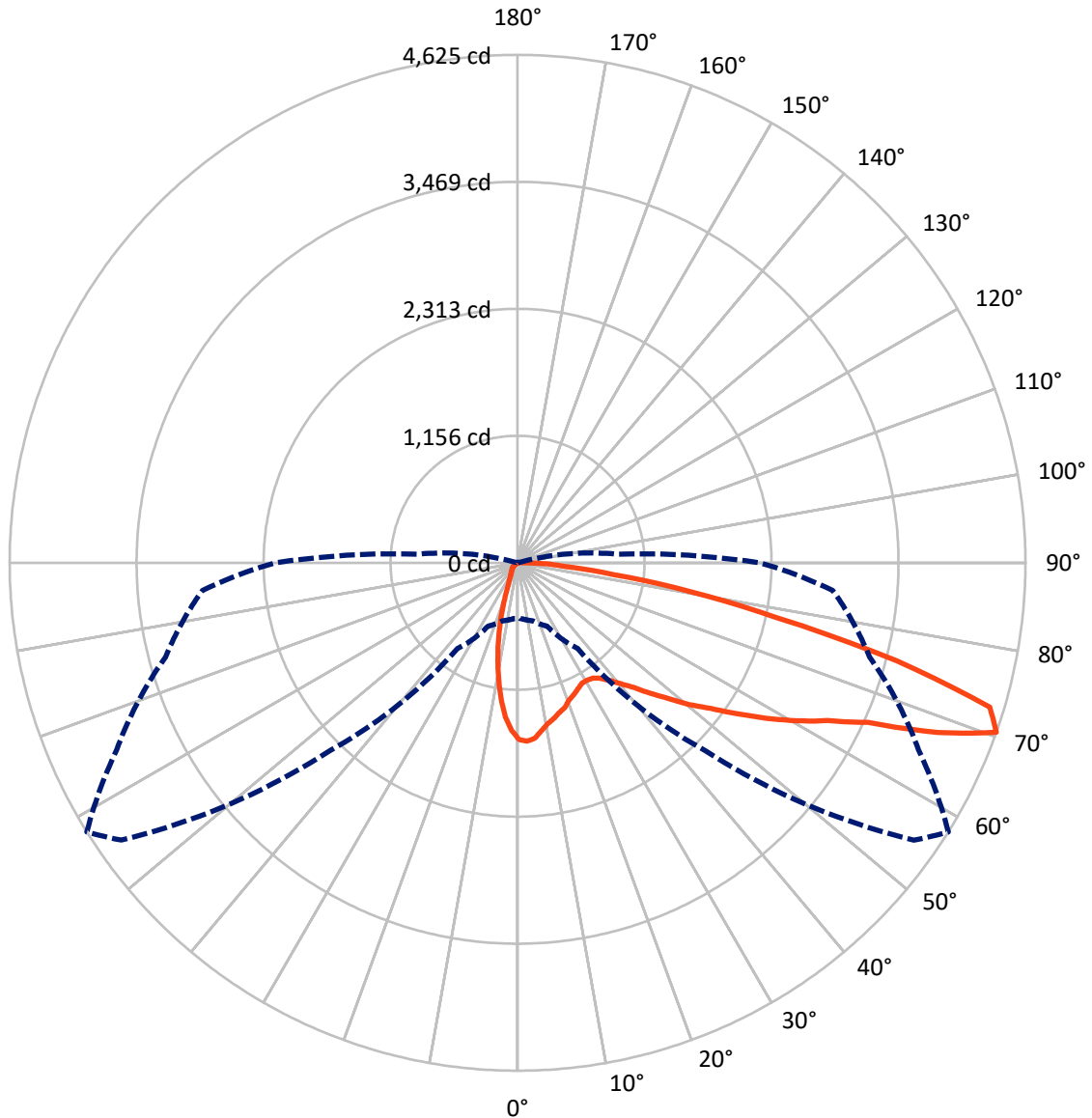
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.1 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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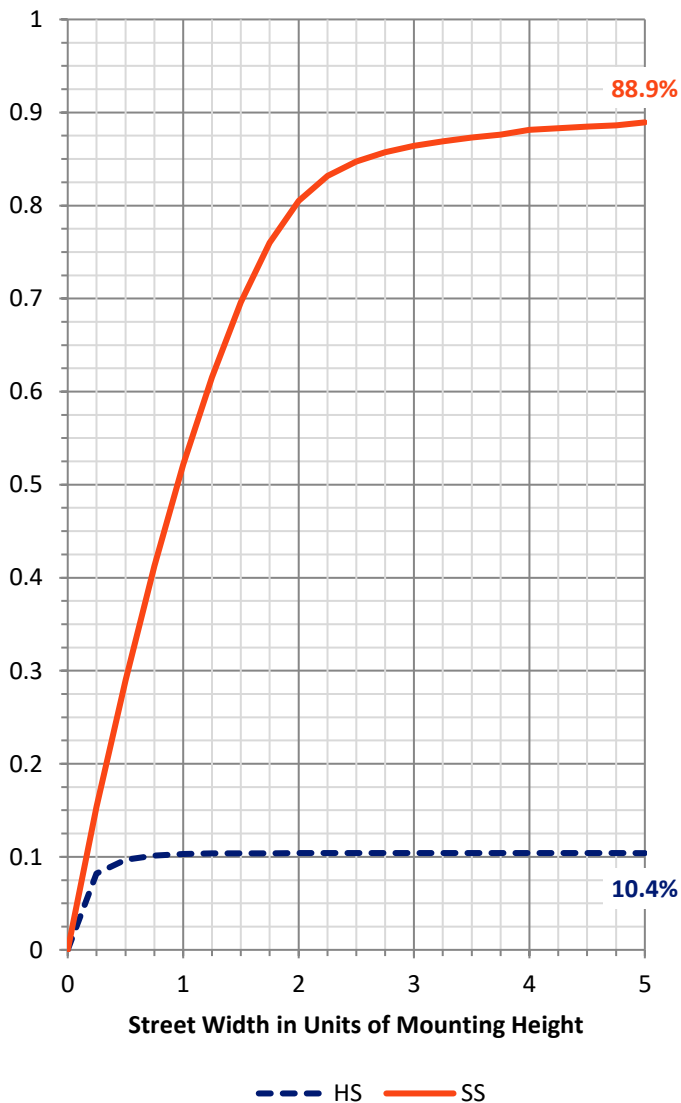
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	542.6	0.0	542.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	4638.9	0.0	4638.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	5181.4	0.0	5181.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.3	2.5
10°-20°	273.2	5.3
20°-30°	365.8	7.1
30°-40°	494.5	9.5
40°-50°	709.8	13.7
50°-60°	1046.0	20.2
60°-70°	1275.9	24.6
70°-80°	779.1	15.0
80°-90°	105.8	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°	5181.4	100.0
0°-180°	5181.4	100.0

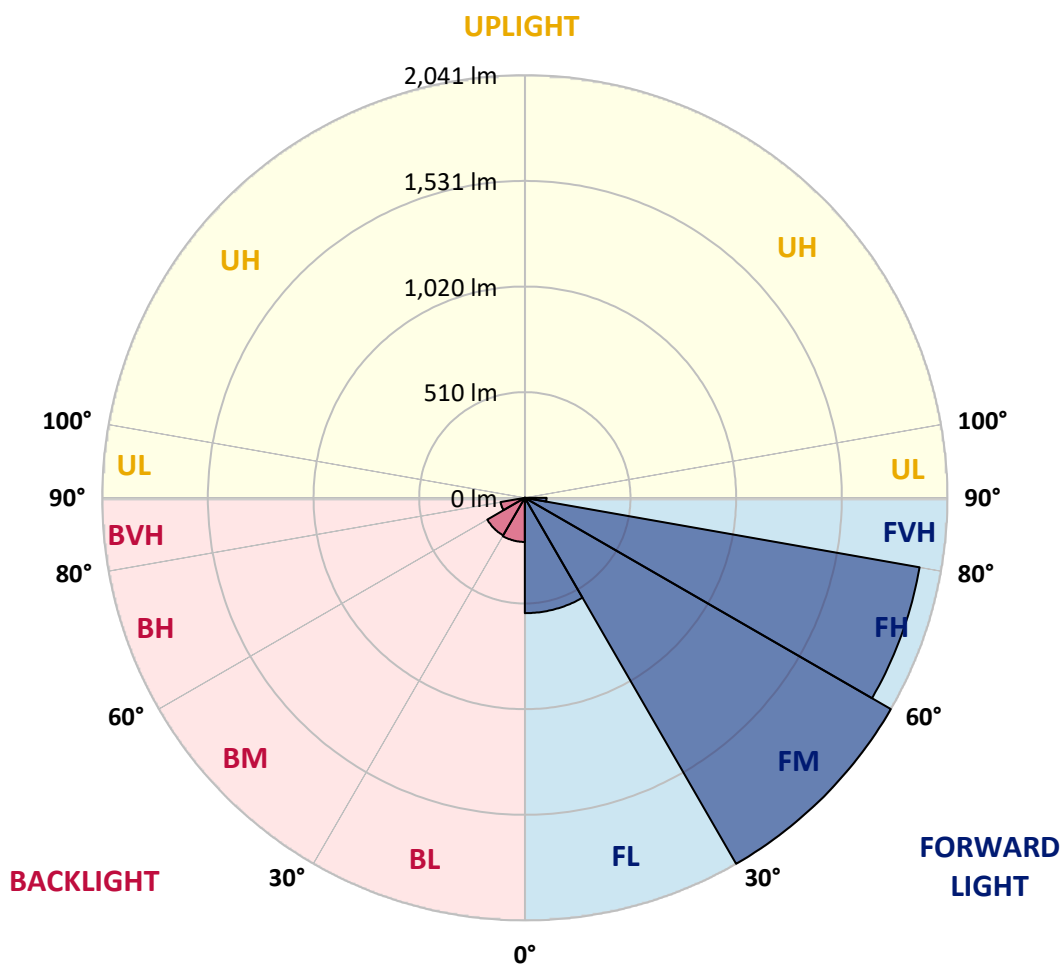


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	557.1	10.8			
FM (30°-60°)	2040.9	39.4			
FH (60°-80°)	1936.0	37.4			G2/5000
FVH (80°-90°)	104.8	2.0			G2/225
BL (0°-30°)	213.2	4.1	B1/500		
BM (30°-60°)	209.4	4.0	B0/220		
BH (60°-80°)	118.9	2.3	B1/500		G1/500
BVH (80°-90°)	1.0	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-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1608.5	1608.5	1608.5	1608.5	1608.5	1608.5	1608.5	1608.5	1608.5	1608.5	1608.5
2.5°	1637.6	1643.7	1629.1	1646.1	1630.3	1637.6	1629.1	1626.7	1627.9	1629.1	1619.4
5°	1561.1	1575.7	1581.7	1572.0	1595.1	1591.5	1606.0	1607.3	1601.2	1595.1	1596.3
7.5°	1460.3	1474.8	1480.9	1487.0	1510.1	1540.4	1559.9	1547.7	1557.5	1579.3	1546.5
10°	1387.4	1383.7	1382.5	1394.7	1438.4	1463.9	1496.7	1493.1	1517.4	1538.0	1511.3
12.5°	1297.5	1290.2	1312.1	1321.8	1360.6	1405.6	1431.1	1457.8	1482.1	1504.0	1473.6
15°	1230.7	1236.7	1245.2	1265.9	1293.8	1353.4	1391.0	1416.5	1460.3	1471.2	1459.0
17.5°	1177.2	1182.1	1194.2	1205.1	1240.4	1297.5	1357.0	1387.4	1433.5	1462.7	1425.0
20°	1178.4	1163.8	1163.8	1174.8	1194.2	1262.2	1325.4	1335.1	1398.3	1448.1	1422.6
22.5°	1179.6	1174.8	1163.8	1162.6	1171.1	1219.7	1284.1	1306.0	1374.0	1432.3	1401.9
25°	1196.6	1178.4	1179.6	1162.6	1166.3	1190.6	1241.6	1274.4	1352.1	1440.8	1391.0
27.5°	1211.2	1219.7	1202.7	1195.4	1174.8	1173.6	1216.1	1244.0	1341.2	1460.3	1398.3
30°	1244.0	1250.1	1250.1	1245.2	1225.8	1197.9	1207.6	1242.8	1319.3	1456.6	1386.2
32.5°	1298.7	1287.8	1302.3	1295.0	1269.5	1225.8	1234.3	1252.5	1332.7	1502.8	1405.6
35°	1316.9	1325.4	1344.9	1329.1	1320.6	1295.0	1278.0	1291.4	1352.1	1548.9	1434.8
37.5°	1372.8	1360.6	1374.0	1409.2	1417.7	1371.6	1338.8	1358.2	1425.0	1603.6	1461.5
40°	1377.7	1387.4	1411.7	1480.9	1489.4	1470.0	1443.3	1448.1	1497.9	1674.1	1528.3
42.5°	1401.9	1412.9	1462.7	1521.0	1567.2	1570.8	1551.4	1551.4	1593.9	1787.1	1602.4
45°	1449.3	1431.1	1495.5	1593.9	1660.7	1674.1	1699.6	1693.5	1727.5	1906.1	1740.9
47.5°	1467.6	1473.6	1544.1	1663.1	1739.7	1801.6	1844.2	1845.4	1862.4	2058.0	1920.7
50°	1527.1	1525.9	1610.9	1721.5	1834.4	1947.4	2030.0	2030.0	2028.8	2206.2	2075.0
52.5°	1606.0	1603.6	1669.2	1800.4	1947.4	2089.6	2198.9	2202.5	2230.5	2388.4	2252.4
55°	1734.8	1723.9	1787.1	1884.2	2060.4	2232.9	2422.4	2423.6	2401.8	2518.4	2379.9
57.5°	1842.9	1841.7	1894.0	1987.5	2186.8	2417.6	2637.5	2670.3	2601.0	2652.0	2482.0
60°	1815.0	1830.8	1938.9	2077.4	2320.4	2648.4	2869.5	2920.5	2810.0	2743.2	2558.5
62.5°	1641.3	1677.7	1795.6	2016.7	2433.4	2983.7	3189.0	3165.9	2919.3	2820.9	2652.0
65°	1180.8	1217.3	1363.1	1694.7	2302.2	3220.6	3609.4	3504.9	3113.7	2936.3	2777.2
67.5°	694.9	709.5	800.6	1081.2	1721.5	3091.8	4119.6	4128.1	3496.4	3113.7	2993.4
70°	501.7	512.7	547.9	637.8	953.7	2423.6	4403.9	4625.0	4027.3	3317.8	2879.2
72.5°	385.1	385.1	444.6	530.9	607.4	1451.8	4052.8	4496.2	4142.7	3122.2	2320.4
75°	277.0	284.3	348.7	456.8	560.1	728.9	2986.1	3568.0	3510.9	2530.6	1620.6
77.5°	159.1	162.8	245.4	382.7	526.0	500.5	1845.4	2418.8	2486.8	1584.2	702.2
80°	81.4	83.8	137.3	302.5	476.2	436.1	1100.7	1592.7	1350.9	460.4	162.8
82.5°	40.1	40.1	62.0	193.2	404.5	386.3	647.5	879.6	478.7	105.7	68.0
85°	13.4	14.6	27.9	109.3	292.8	233.3	396.0	417.9	160.4	40.1	37.7
87.5°	3.6	4.9	7.3	40.1	127.6	153.1	235.7	267.3	65.6	15.8	18.2
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°	1608.5	1608.5	1608.5	1608.5	1608.5	1608.5	1608.5	1608.5	1608.5	1608.5	1608.5
2.5°	1583.0	1574.5	1564.7	1540.4	1521.0	1495.5	1478.5	1465.1	1439.6	1444.5	1433.5
5°	1567.2	1551.4	1495.5	1442.0	1393.4	1319.3	1268.3	1235.5	1208.8	1182.1	1201.5
7.5°	1539.2	1501.6	1414.1	1314.5	1211.2	1114.0	1016.8	958.5	916.0	877.1	875.9
10°	1491.8	1431.1	1293.8	1163.8	1004.7	877.1	753.2	656.0	592.9	546.7	545.5
12.5°	1438.4	1375.2	1202.7	991.3	807.9	628.1	479.9	376.6	317.1	280.6	275.8
15°	1404.4	1312.1	1088.5	838.3	611.1	409.4	266.1	201.7	178.6	170.1	170.1
17.5°	1360.6	1255.0	975.5	679.1	424.0	236.9	172.5	155.5	154.3	151.9	149.4
20°	1342.4	1211.2	874.7	541.8	268.5	167.7	148.2	144.6	144.6	142.1	139.7
22.5°	1293.8	1148.0	767.8	397.3	178.6	147.0	139.7	134.8	132.4	130.0	132.4
25°	1272.0	1103.1	667.0	274.6	145.8	131.2	127.6	122.7	119.1	117.8	117.8
27.5°	1257.4	1058.1	568.6	190.7	128.8	120.3	113.0	109.3	104.5	99.6	99.6
30°	1246.4	1022.9	473.8	140.9	115.4	106.9	100.8	92.3	86.3	81.4	81.4
32.5°	1231.9	981.6	379.0	120.3	104.5	96.0	85.0	77.8	69.2	65.6	65.6
35°	1236.7	953.7	297.6	106.9	93.5	82.6	72.9	63.2	54.7	51.0	49.8
37.5°	1246.4	933.0	226.0	96.0	83.8	71.7	60.7	49.8	44.9	40.1	40.1
40°	1287.8	926.9	166.4	88.7	76.5	63.2	51.0	41.3	36.4	32.8	31.6
42.5°	1357.0	935.4	128.8	80.2	69.2	53.5	42.5	34.0	29.2	25.5	24.3
45°	1445.7	968.2	105.7	75.3	60.7	44.9	34.0	27.9	21.9	19.4	19.4
47.5°	1574.5	1019.3	92.3	69.2	53.5	37.7	29.2	21.9	17.0	14.6	14.6
50°	1720.2	1077.6	81.4	62.0	46.2	31.6	23.1	17.0	12.1	10.9	10.9
52.5°	1866.0	1151.7	75.3	57.1	40.1	25.5	18.2	12.1	8.5	7.3	7.3
55°	2019.1	1217.3	68.0	53.5	32.8	20.7	13.4	7.3	4.9	3.6	3.6
57.5°	2126.0	1242.8	59.5	46.2	25.5	15.8	9.7	4.9	2.4	1.2	1.2
60°	2202.5	1246.4	51.0	37.7	19.4	12.1	6.1	2.4	1.2	0.0	0.0
62.5°	2266.9	1253.7	43.7	29.2	14.6	8.5	3.6	1.2	0.0	0.0	0.0
65°	2394.5	1247.7	35.2	23.1	9.7	4.9	2.4	0.0	0.0	0.0	0.0
67.5°	2495.3	1186.9	27.9	15.8	6.1	2.4	1.2	0.0	0.0	0.0	0.0
70°	2207.4	905.1	21.9	10.9	3.6	1.2	0.0	0.0	0.0	0.0	0.0
72.5°	1733.6	603.8	14.6	6.1	2.4	1.2	0.0	0.0	0.0	0.0	0.0
75°	1137.1	300.1	10.9	3.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	442.2	79.0	7.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	106.9	26.7	3.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	46.2	9.7	2.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	27.9	4.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.6	2.4	1.2	1.2	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)