

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: P676979

Luminaire Tested: **CCW-SA-2B-730-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676979
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-730-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/
SL3 distribution lens and House Side Shield
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5196.7 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

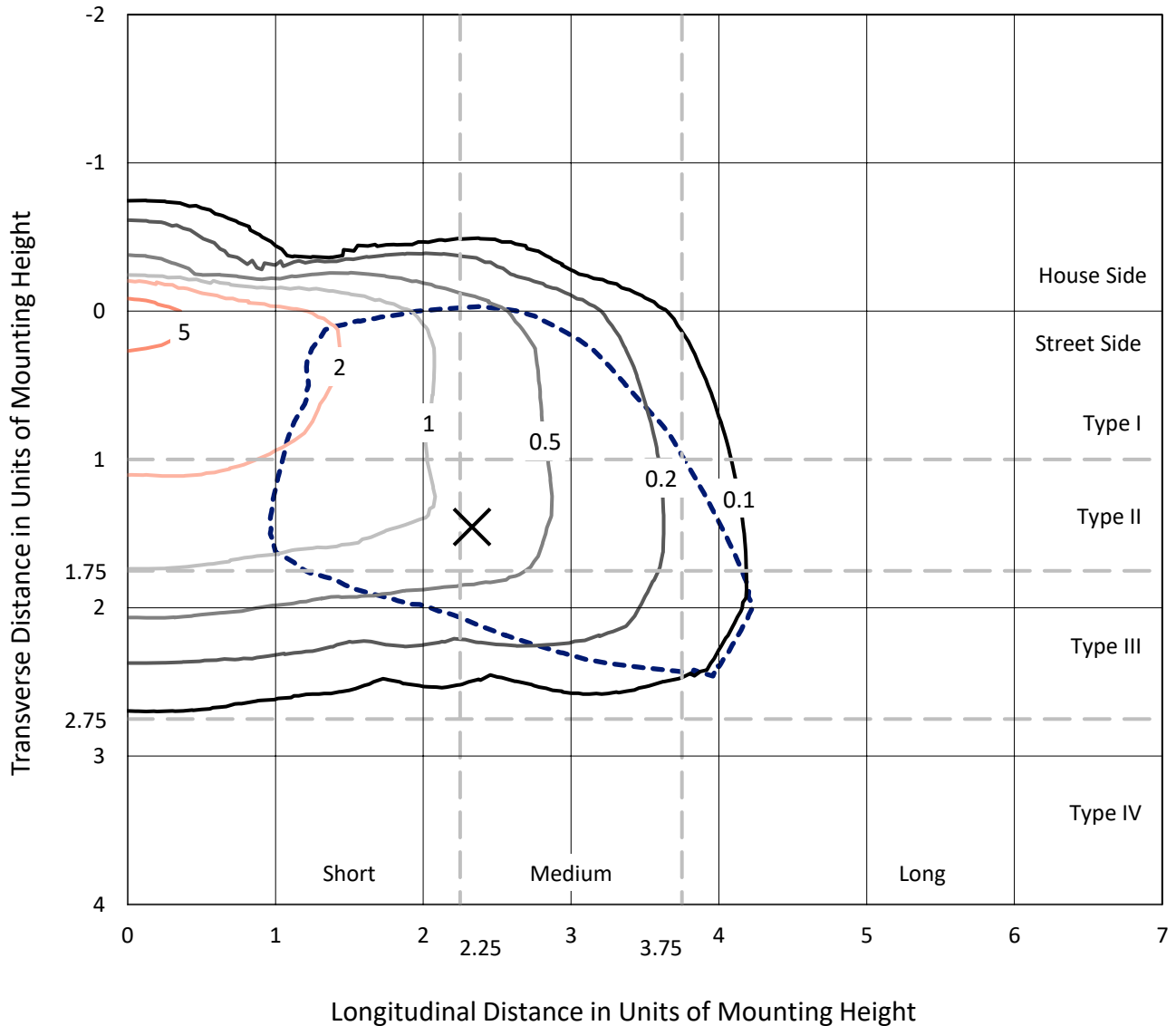
Input Watts (W): 46
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

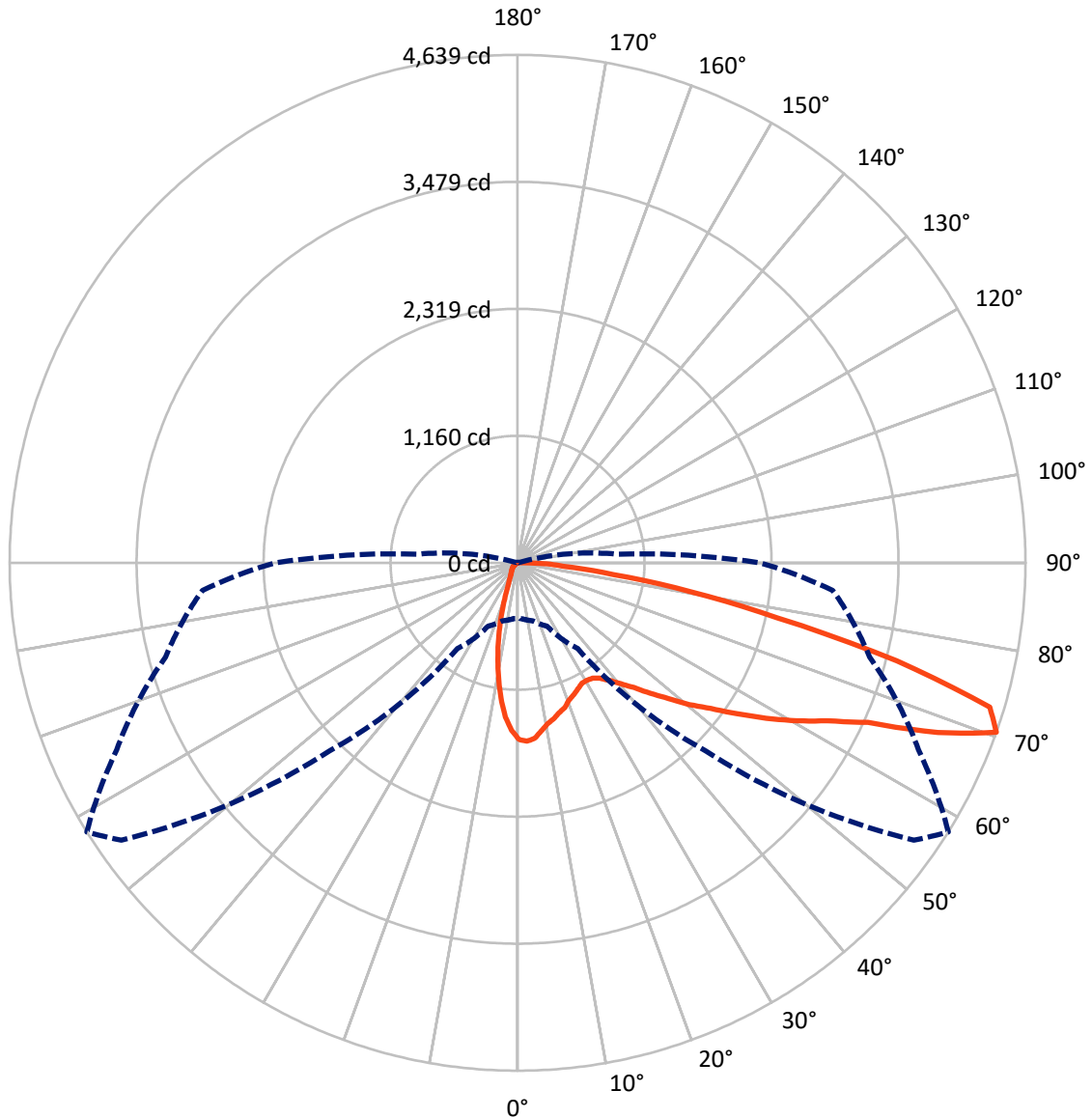
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.2 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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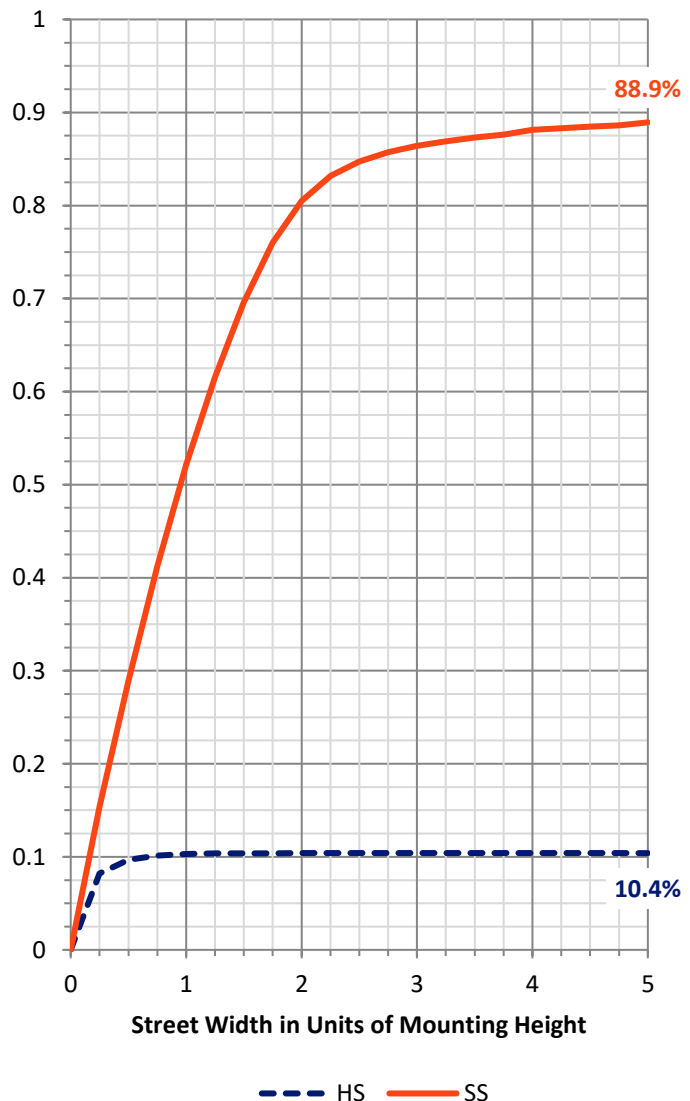
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	544.2	0.0	544.2
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	4652.5	0.0	4652.5
	% Fixture	89.5	0.0	89.5
Total	Lumens	5196.7	0.0	5196.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.6	2.5
10°-20°	274.0	5.3
20°-30°	366.9	7.1
30°-40°	496.0	9.5
40°-50°	711.9	13.7
50°-60°	1049.1	20.2
60°-70°	1279.6	24.6
70°-80°	781.4	15.0
80°-90°	106.1	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°	5196.7	100.0
0°-180°	5196.7	100.0

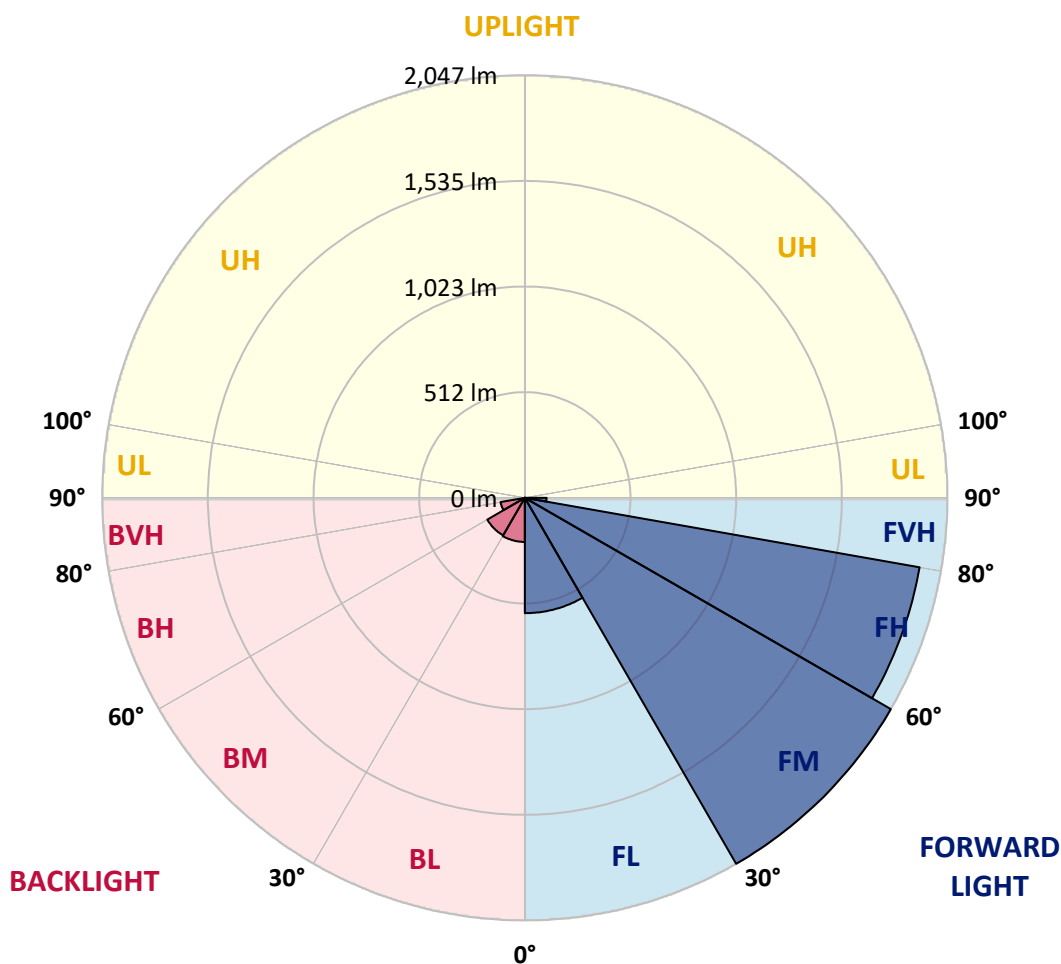


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	558.7	10.8			
FM (30°-60°)	2046.9	39.4			
FH (60°-80°)	1941.7	37.4			G2/5000
FVH (80°-90°)	105.1	2.0			G2/225
BL (0°-30°)	213.9	4.1	B1/500		
BM (30°-60°)	210.0	4.0	B0/220		
BH (60°-80°)	119.3	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°	1613.2	1613.2	1613.2	1613.2	1613.2	1613.2	1613.2	1613.2	1613.2	1613.2	1613.2
2.5°	1642.5	1648.6	1633.9	1651.0	1635.1	1642.5	1633.9	1631.5	1632.7	1633.9	1624.2
5°	1565.7	1580.3	1586.4	1576.7	1599.8	1596.2	1610.8	1612.0	1605.9	1599.8	1601.0
7.5°	1464.6	1479.2	1485.3	1491.4	1514.5	1545.0	1564.5	1552.3	1562.0	1584.0	1551.1
10°	1391.5	1387.8	1386.6	1398.8	1442.6	1468.2	1501.1	1497.5	1521.8	1542.5	1515.7
12.5°	1301.3	1294.0	1315.9	1325.7	1364.7	1409.7	1435.3	1462.1	1486.5	1508.4	1478.0
15°	1234.3	1240.4	1248.9	1269.6	1297.6	1357.3	1395.1	1420.7	1464.6	1475.5	1463.3
17.5°	1180.7	1185.5	1197.7	1208.7	1244.0	1301.3	1361.0	1391.5	1437.8	1467.0	1429.2
20°	1181.9	1167.3	1167.3	1178.2	1197.7	1266.0	1329.3	1339.1	1402.4	1452.4	1426.8
22.5°	1183.1	1178.2	1167.3	1166.0	1174.6	1223.3	1287.9	1309.8	1378.1	1436.5	1406.1
25°	1200.2	1181.9	1183.1	1166.0	1169.7	1194.1	1245.2	1278.1	1356.1	1445.1	1395.1
27.5°	1214.8	1223.3	1206.3	1198.9	1178.2	1177.0	1219.7	1247.7	1345.2	1464.6	1402.4
30°	1247.7	1253.8	1253.8	1248.9	1229.4	1201.4	1211.1	1246.5	1323.2	1460.9	1390.2
32.5°	1302.5	1291.5	1306.2	1298.9	1273.3	1229.4	1237.9	1256.2	1336.6	1507.2	1409.7
35°	1320.8	1329.3	1348.8	1333.0	1324.4	1298.9	1281.8	1295.2	1356.1	1553.5	1439.0
37.5°	1376.8	1364.7	1378.1	1413.4	1421.9	1375.6	1342.7	1362.2	1429.2	1608.3	1465.8
40°	1381.7	1391.5	1415.8	1485.3	1493.8	1474.3	1447.5	1452.4	1502.3	1679.0	1532.8
42.5°	1406.1	1417.0	1467.0	1525.5	1571.8	1575.4	1556.0	1556.0	1598.6	1792.3	1607.1
45°	1453.6	1435.3	1499.9	1598.6	1665.6	1679.0	1704.6	1698.5	1732.6	1911.7	1746.0
47.5°	1471.9	1478.0	1548.6	1668.0	1744.8	1806.9	1849.6	1850.8	1867.9	2064.0	1926.4
50°	1531.6	1530.4	1615.7	1726.5	1839.8	1953.2	2036.0	2036.0	2034.8	2212.7	2081.1
52.5°	1610.8	1608.3	1674.1	1805.7	1953.2	2095.7	2205.4	2209.0	2237.1	2395.5	2259.0
55°	1739.9	1729.0	1792.3	1889.8	2066.5	2239.5	2429.6	2430.8	2408.9	2525.8	2386.9
57.5°	1848.4	1847.2	1899.6	1993.4	2193.2	2424.7	2645.2	2678.1	2608.7	2659.9	2489.3
60°	1820.4	1836.2	1944.6	2083.5	2327.2	2656.2	2878.0	2929.1	2818.3	2751.2	2566.0
62.5°	1646.1	1682.7	1800.9	2022.6	2440.5	2992.5	3198.4	3175.3	2927.9	2829.2	2659.9
65°	1184.3	1220.9	1367.1	1699.7	2308.9	3230.1	3620.0	3515.2	3122.9	2945.0	2785.4
67.5°	696.9	711.6	803.0	1084.4	1726.5	3100.9	4131.7	4140.3	3506.7	3122.9	3002.2
70°	503.2	514.2	549.5	639.7	956.5	2430.8	4416.9	4638.6	4039.1	3327.6	2887.7
72.5°	386.2	386.2	445.9	532.5	609.2	1456.0	4064.7	4509.5	4154.9	3131.4	2327.2
75°	277.8	285.1	349.7	458.1	561.7	731.1	2994.9	3578.6	3521.3	2538.0	1625.4
77.5°	159.6	163.3	246.1	383.8	527.6	502.0	1850.8	2425.9	2494.2	1588.8	704.3
80°	81.6	84.1	137.7	303.4	477.6	437.4	1103.9	1597.4	1354.9	461.8	163.3
82.5°	40.2	40.2	62.1	193.7	405.7	387.5	649.4	882.2	480.1	106.0	68.2
85°	13.4	14.6	28.0	109.7	293.6	233.9	397.2	419.1	160.8	40.2	37.8
87.5°	3.7	4.9	7.3	40.2	127.9	153.5	236.4	268.1	65.8	15.8	18.3
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°	1613.2	1613.2	1613.2	1613.2	1613.2	1613.2	1613.2	1613.2	1613.2	1613.2	1613.2
2.5°	1587.6	1579.1	1569.4	1545.0	1525.5	1499.9	1482.8	1469.4	1443.9	1448.7	1437.8
5°	1571.8	1556.0	1499.9	1446.3	1397.6	1323.2	1272.1	1239.2	1212.3	1185.5	1205.0
7.5°	1543.8	1506.0	1418.3	1318.4	1214.8	1117.3	1019.8	961.4	918.7	879.7	878.5
10°	1496.2	1435.3	1297.6	1167.3	1007.7	879.7	755.4	658.0	594.6	548.3	547.1
12.5°	1442.6	1379.3	1206.3	994.2	810.3	629.9	481.3	377.7	318.0	281.5	276.6
15°	1408.5	1315.9	1091.7	840.7	612.9	410.6	266.8	202.3	179.1	170.6	170.6
17.5°	1364.7	1258.7	978.4	681.1	425.2	237.6	173.0	156.0	154.7	152.3	149.9
20°	1346.4	1214.8	877.3	543.4	269.3	168.1	148.6	145.0	145.0	142.6	140.1
22.5°	1297.6	1151.4	770.1	398.4	179.1	147.4	140.1	135.2	132.8	130.4	132.8
25°	1275.7	1106.3	668.9	275.4	146.2	131.6	127.9	123.1	119.4	118.2	118.2
27.5°	1261.1	1061.3	570.2	191.3	129.2	120.6	113.3	109.7	104.8	99.9	99.9
30°	1250.1	1025.9	475.2	141.3	115.8	107.2	101.1	92.6	86.5	81.6	81.6
32.5°	1235.5	984.5	380.2	120.6	104.8	96.3	85.3	78.0	69.5	65.8	65.8
35°	1240.4	956.5	298.5	107.2	93.8	82.9	73.1	63.4	54.8	51.2	50.0
37.5°	1250.1	935.8	226.6	96.3	84.1	71.9	60.9	50.0	45.1	40.2	40.2
40°	1291.5	929.7	166.9	88.9	76.8	63.4	51.2	41.4	36.6	32.9	31.7
42.5°	1361.0	938.2	129.2	80.4	69.5	53.6	42.6	34.1	29.2	25.6	24.4
45°	1449.9	971.1	106.0	75.5	60.9	45.1	34.1	28.0	21.9	19.5	19.5
47.5°	1579.1	1022.3	92.6	69.5	53.6	37.8	29.2	21.9	17.1	14.6	14.6
50°	1725.3	1080.8	81.6	62.1	46.3	31.7	23.2	17.1	12.2	11.0	11.0
52.5°	1871.5	1155.1	75.5	57.3	40.2	25.6	18.3	12.2	8.5	7.3	7.3
55°	2025.1	1220.9	68.2	53.6	32.9	20.7	13.4	7.3	4.9	3.7	3.7
57.5°	2132.3	1246.5	59.7	46.3	25.6	15.8	9.7	4.9	2.4	1.2	1.2
60°	2209.0	1250.1	51.2	37.8	19.5	12.2	6.1	2.4	1.2	0.0	0.0
62.5°	2273.6	1257.4	43.9	29.2	14.6	8.5	3.7	1.2	0.0	0.0	0.0
65°	2401.5	1251.3	35.3	23.2	9.7	4.9	2.4	0.0	0.0	0.0	0.0
67.5°	2502.7	1190.4	28.0	15.8	6.1	2.4	1.2	0.0	0.0	0.0	0.0
70°	2213.9	907.7	21.9	11.0	3.7	1.2	0.0	0.0	0.0	0.0	0.0
72.5°	1738.7	605.6	14.6	6.1	2.4	1.2	0.0	0.0	0.0	0.0	0.0
75°	1140.5	301.0	11.0	3.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	443.5	79.2	7.3	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	107.2	26.8	3.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	46.3	9.7	2.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	28.0	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)