

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: P673922

Luminaire Tested: **CCP-SA-2B-850-U-SL3-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673922
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-850-U-SL3-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ SL3 distribution lens and House Side Shield
Light Source: (32) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

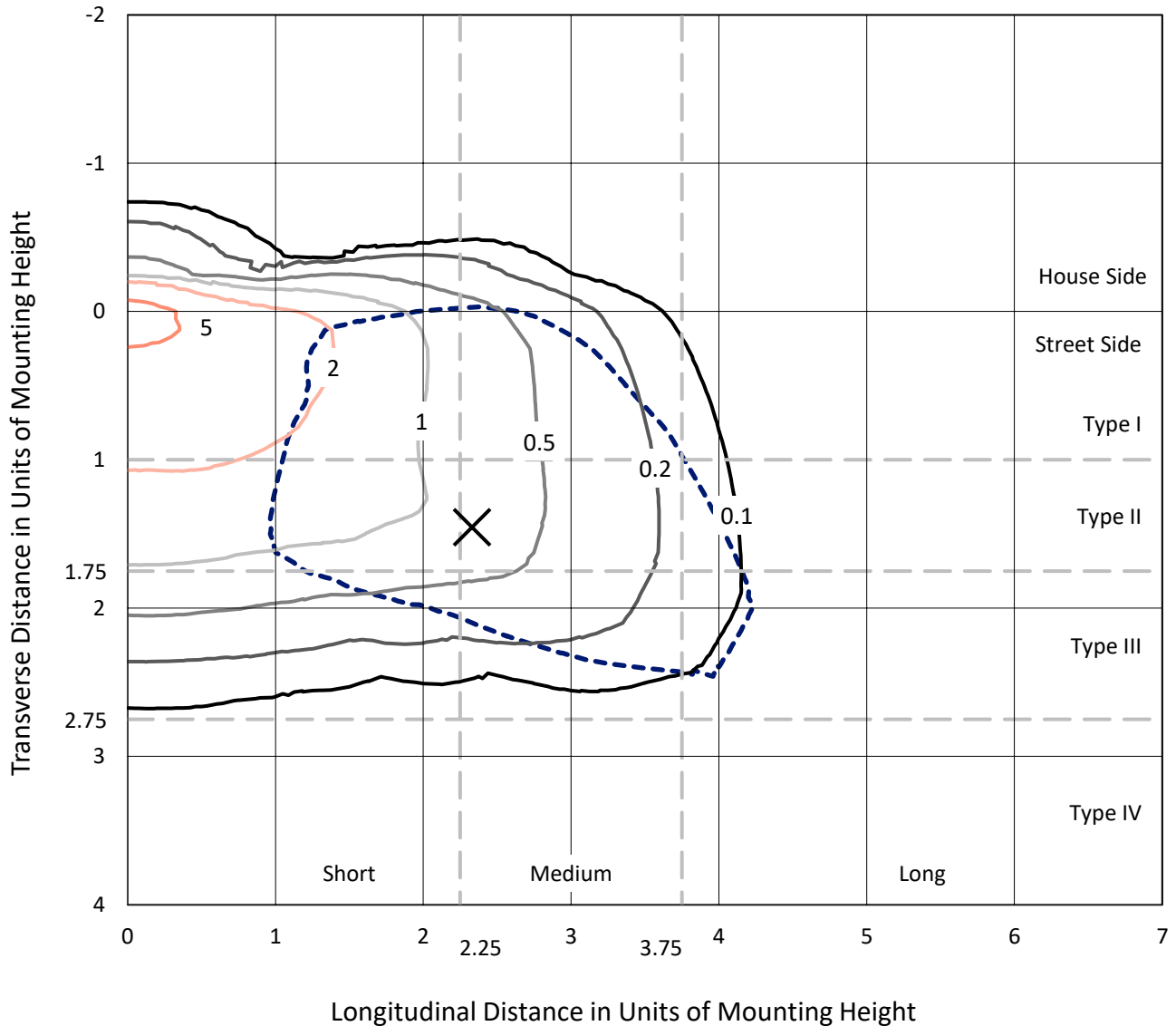
Lumens per Lamp: N/A
Luminaire Lumens: 4979.9 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 46
Input Voltage (V): 120
Input Current (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

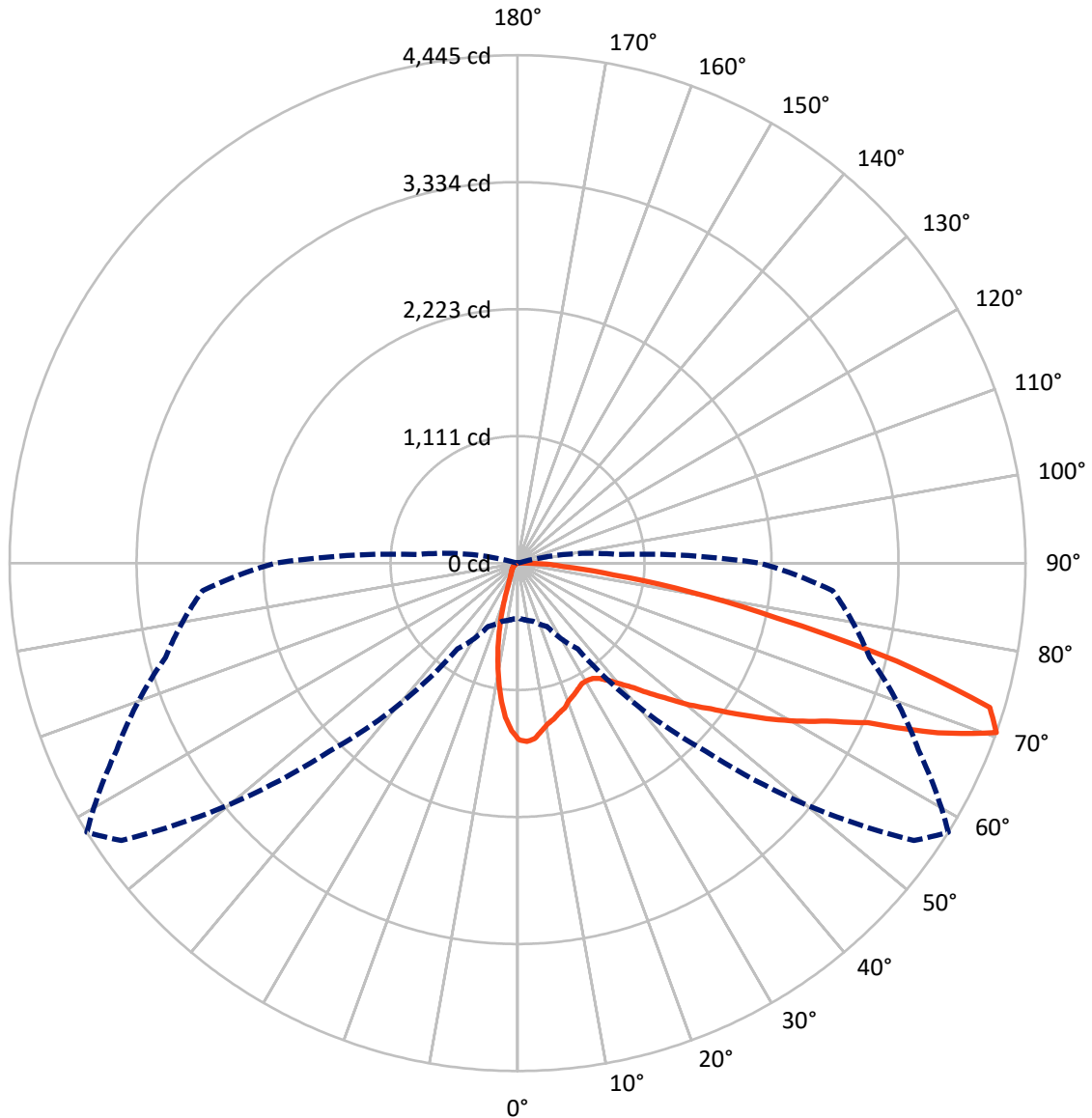
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.9 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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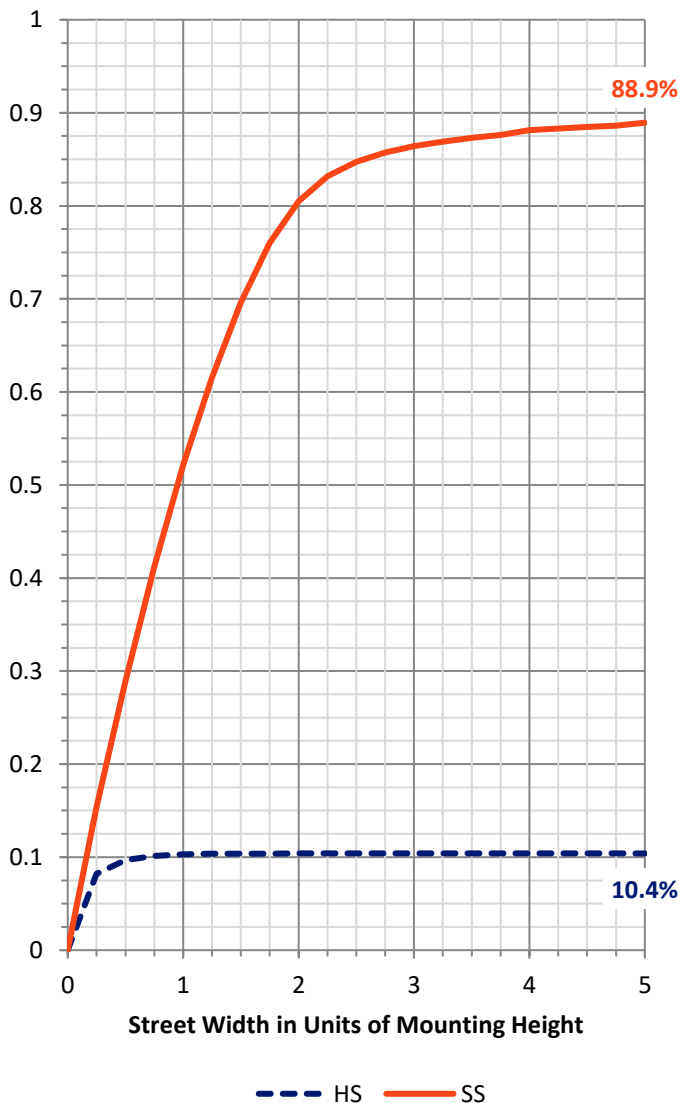
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	521.5	0.0	521.5
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	4458.4	0.0	4458.4
	% Fixture	89.5	0.0	89.5
Total	Lumens	4979.9	0.0	4979.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.1	2.5
10°-20°	262.6	5.3
20°-30°	351.6	7.1
30°-40°	475.3	9.5
40°-50°	682.2	13.7
50°-60°	1005.3	20.2
60°-70°	1226.2	24.6
70°-80°	748.8	15.0
80°-90°	101.7	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°	4979.9	100.0
0°-180°	4979.9	100.0



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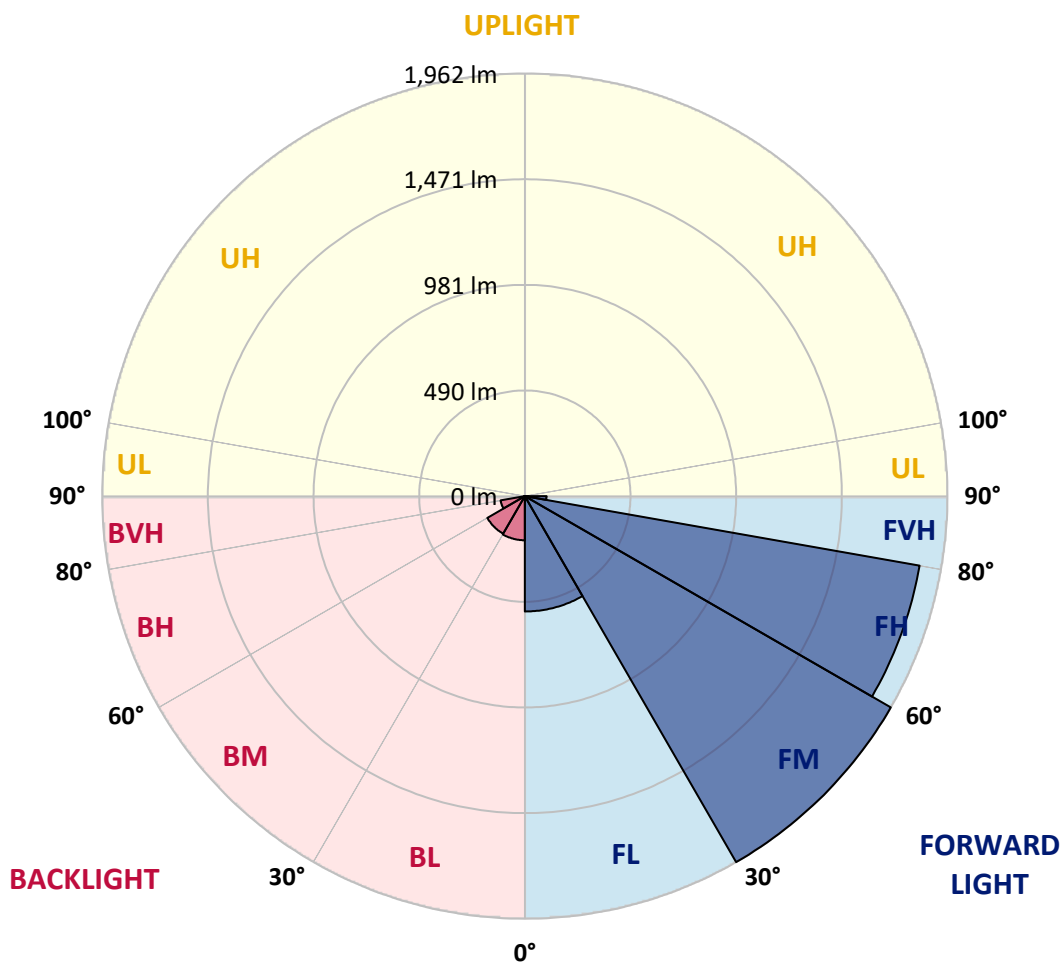
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	535.4	10.8			
FM (30°-60°)	1961.5	39.4			
FH (60°-80°)	1860.7	37.4			G2/5000
FVH (80°-90°)	100.7	2.0			G2/225
BL (0°-30°)	204.9	4.1	B1/500		
BM (30°-60°)	201.3	4.0	B0/220		
BH (60°-80°)	114.3	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°	1545.9	1545.9	1545.9	1545.9	1545.9	1545.9	1545.9	1545.9	1545.9	1545.9	1545.9
2.5°	1573.9	1579.8	1565.7	1582.1	1566.9	1573.9	1565.7	1563.4	1564.6	1565.7	1556.4
5°	1500.4	1514.4	1520.2	1510.9	1533.1	1529.6	1543.6	1544.7	1538.9	1533.1	1534.2
7.5°	1403.4	1417.5	1423.3	1429.1	1451.3	1480.5	1499.2	1487.5	1496.9	1517.9	1486.3
10°	1333.4	1329.9	1328.7	1340.4	1382.4	1407.0	1438.5	1435.0	1458.3	1478.2	1452.5
12.5°	1247.0	1240.0	1261.0	1270.3	1307.7	1350.9	1375.4	1401.1	1424.5	1445.5	1416.3
15°	1182.8	1188.6	1196.8	1216.6	1243.5	1300.7	1336.9	1361.4	1403.4	1414.0	1402.3
17.5°	1131.4	1136.1	1147.7	1158.3	1192.1	1247.0	1304.2	1333.4	1377.8	1405.8	1369.6
20°	1132.6	1118.6	1118.6	1129.1	1147.7	1213.1	1273.8	1283.2	1343.9	1391.8	1367.3
22.5°	1133.7	1129.1	1118.6	1117.4	1125.6	1172.3	1234.1	1255.2	1320.6	1376.6	1347.4
25°	1150.1	1132.6	1133.7	1117.4	1120.9	1144.2	1193.3	1224.8	1299.5	1384.8	1336.9
27.5°	1164.1	1172.3	1155.9	1148.9	1129.1	1127.9	1168.8	1195.6	1289.0	1403.4	1343.9
30°	1195.6	1201.5	1201.5	1196.8	1178.1	1151.2	1160.6	1194.5	1268.0	1399.9	1332.2
32.5°	1248.2	1237.7	1251.7	1244.7	1220.1	1178.1	1186.3	1203.8	1280.9	1444.3	1350.9
35°	1265.7	1273.8	1292.5	1277.3	1269.2	1244.7	1228.3	1241.2	1299.5	1488.7	1378.9
37.5°	1319.4	1307.7	1320.6	1354.4	1362.6	1318.2	1286.7	1305.4	1369.6	1541.2	1404.6
40°	1324.1	1333.4	1356.7	1423.3	1431.5	1412.8	1387.1	1391.8	1439.6	1608.9	1468.8
42.5°	1347.4	1357.9	1405.8	1461.8	1506.2	1509.7	1491.0	1491.0	1531.9	1717.5	1540.1
45°	1392.9	1375.4	1437.3	1531.9	1596.1	1608.9	1633.5	1627.6	1660.3	1832.0	1673.2
47.5°	1410.5	1416.3	1484.0	1598.4	1672.0	1731.5	1772.4	1773.6	1789.9	1977.9	1846.0
50°	1467.7	1466.5	1548.2	1654.5	1763.1	1871.7	1951.1	1951.1	1949.9	2120.4	1994.3
52.5°	1543.6	1541.2	1604.3	1730.4	1871.7	2008.3	2113.3	2116.9	2143.7	2295.5	2164.7
55°	1667.3	1656.8	1717.5	1810.9	1980.2	2146.0	2328.2	2329.4	2308.3	2420.4	2287.3
57.5°	1771.2	1770.1	1820.3	1910.2	2101.7	2323.5	2534.9	2566.4	2499.8	2548.9	2385.4
60°	1744.4	1759.6	1863.5	1996.6	2230.1	2545.4	2757.9	2806.9	2700.6	2636.4	2459.0
62.5°	1577.4	1612.4	1725.7	1938.2	2338.7	2867.6	3064.9	3042.8	2805.7	2711.2	2548.9
65°	1134.9	1169.9	1310.0	1628.8	2212.6	3095.3	3468.9	3368.5	2992.5	2822.1	2669.1
67.5°	667.9	681.9	769.4	1039.2	1654.5	2971.5	3959.3	3967.5	3360.3	2992.5	2877.0
70°	482.2	492.7	526.6	613.0	916.6	2329.4	4232.5	4445.0	3870.6	3188.7	2767.2
72.5°	370.1	370.1	427.3	510.2	583.8	1395.3	3895.1	4321.3	3981.5	3000.7	2230.1
75°	266.2	273.2	335.1	439.0	538.3	700.6	2869.9	3429.2	3374.4	2432.1	1557.6
77.5°	153.0	156.5	235.9	367.8	505.6	481.0	1773.6	2324.7	2390.1	1522.5	674.9
80°	78.2	80.6	131.9	290.7	457.7	419.2	1057.8	1530.7	1298.4	442.5	156.5
82.5°	38.5	38.5	59.5	185.6	388.8	371.3	622.3	845.3	460.0	101.6	65.4
85°	12.8	14.0	26.9	105.1	281.4	224.2	380.6	401.7	154.1	38.5	36.2
87.5°	3.5	4.7	7.0	38.5	122.6	147.1	226.5	256.9	63.1	15.2	17.5
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°	1545.9	1545.9	1545.9	1545.9	1545.9	1545.9	1545.9	1545.9	1545.9	1545.9	1545.9
2.5°	1521.4	1513.2	1503.9	1480.5	1461.8	1437.3	1421.0	1408.1	1383.6	1388.3	1377.8
5°	1506.2	1491.0	1437.3	1385.9	1339.2	1268.0	1219.0	1187.4	1161.8	1136.1	1154.8
7.5°	1479.3	1443.1	1359.1	1263.3	1164.1	1070.7	977.3	921.2	880.4	843.0	841.8
10°	1433.8	1375.4	1243.5	1118.6	965.6	843.0	723.9	630.5	569.8	525.4	524.3
12.5°	1382.4	1321.7	1155.9	952.8	776.5	603.6	461.2	362.0	304.7	269.7	265.0
15°	1349.7	1261.0	1046.2	805.6	587.3	393.5	255.7	193.8	171.6	163.5	163.5
17.5°	1307.7	1206.1	937.6	652.7	407.5	227.7	165.8	149.5	148.3	145.9	143.6
20°	1290.2	1164.1	840.7	520.7	258.0	161.1	142.4	138.9	138.9	136.6	134.3
22.5°	1243.5	1103.4	737.9	381.8	171.6	141.3	134.3	129.6	127.3	124.9	127.3
25°	1222.5	1060.2	641.0	263.9	140.1	126.1	122.6	117.9	114.4	113.3	113.3
27.5°	1208.5	1017.0	546.4	183.3	123.8	115.6	108.6	105.1	100.4	95.7	95.7
30°	1198.0	983.1	455.4	135.4	110.9	102.7	96.9	88.7	82.9	78.2	78.2
32.5°	1183.9	943.4	364.3	115.6	100.4	92.2	81.7	74.7	66.6	63.1	63.1
35°	1188.6	916.6	286.1	102.7	89.9	79.4	70.1	60.7	52.5	49.0	47.9
37.5°	1198.0	896.7	217.2	92.2	80.6	68.9	58.4	47.9	43.2	38.5	38.5
40°	1237.7	890.9	160.0	85.2	73.6	60.7	49.0	39.7	35.0	31.5	30.4
42.5°	1304.2	899.0	123.8	77.1	66.6	51.4	40.9	32.7	28.0	24.5	23.4
45°	1389.4	930.6	101.6	72.4	58.4	43.2	32.7	26.9	21.0	18.7	18.7
47.5°	1513.2	979.6	88.7	66.6	51.4	36.2	28.0	21.0	16.3	14.0	14.0
50°	1653.3	1035.7	78.2	59.5	44.4	30.4	22.2	16.3	11.7	10.5	10.5
52.5°	1793.4	1106.9	72.4	54.9	38.5	24.5	17.5	11.7	8.2	7.0	7.0
55°	1940.5	1169.9	65.4	51.4	31.5	19.8	12.8	7.0	4.7	3.5	3.5
57.5°	2043.3	1194.5	57.2	44.4	24.5	15.2	9.3	4.7	2.3	1.2	1.2
60°	2116.9	1198.0	49.0	36.2	18.7	11.7	5.8	2.3	1.2	0.0	0.0
62.5°	2178.7	1205.0	42.0	28.0	14.0	8.2	3.5	1.2	0.0	0.0	0.0
65°	2301.3	1199.1	33.9	22.2	9.3	4.7	2.3	0.0	0.0	0.0	0.0
67.5°	2398.2	1140.7	26.9	15.2	5.8	2.3	1.2	0.0	0.0	0.0	0.0
70°	2121.5	869.9	21.0	10.5	3.5	1.2	0.0	0.0	0.0	0.0	0.0
72.5°	1666.2	580.3	14.0	5.8	2.3	1.2	0.0	0.0	0.0	0.0	0.0
75°	1092.9	288.4	10.5	3.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	425.0	75.9	7.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	102.7	25.7	3.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	44.4	9.3	2.3	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	26.9	4.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.0	2.3	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)