

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: P676902

Luminaire Tested: **CCW-SA-2C-830-U-SL2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676902
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-830-U-SL2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SL2 distribution lens and House Side Shield
Light Source: (32) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

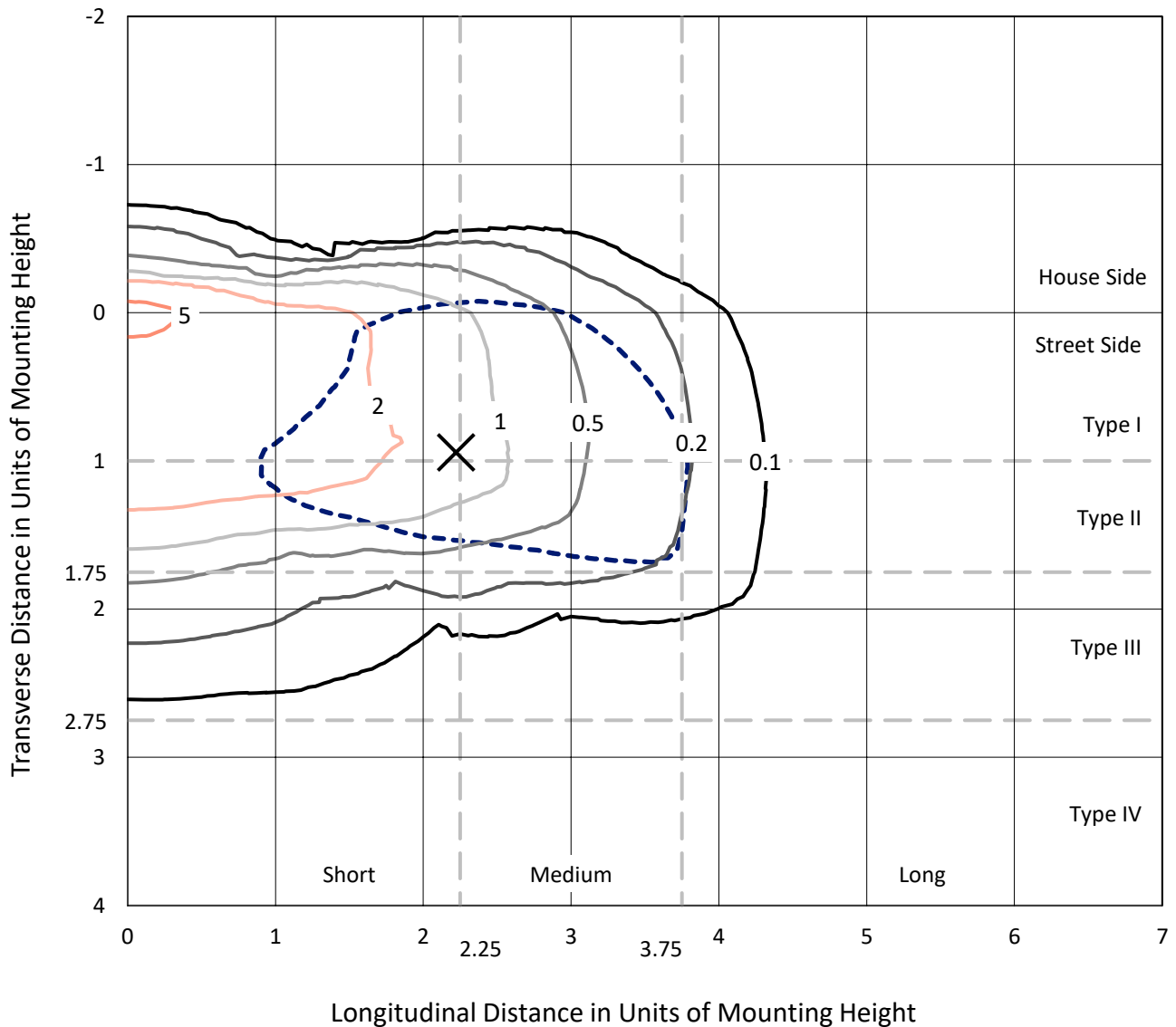
Lumens per Lamp: N/A
Luminaire Lumens: 5777.4 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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

REPORT NUMBER: P676902
 CATALOG NUMBER: CCW-SA-2C-830-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

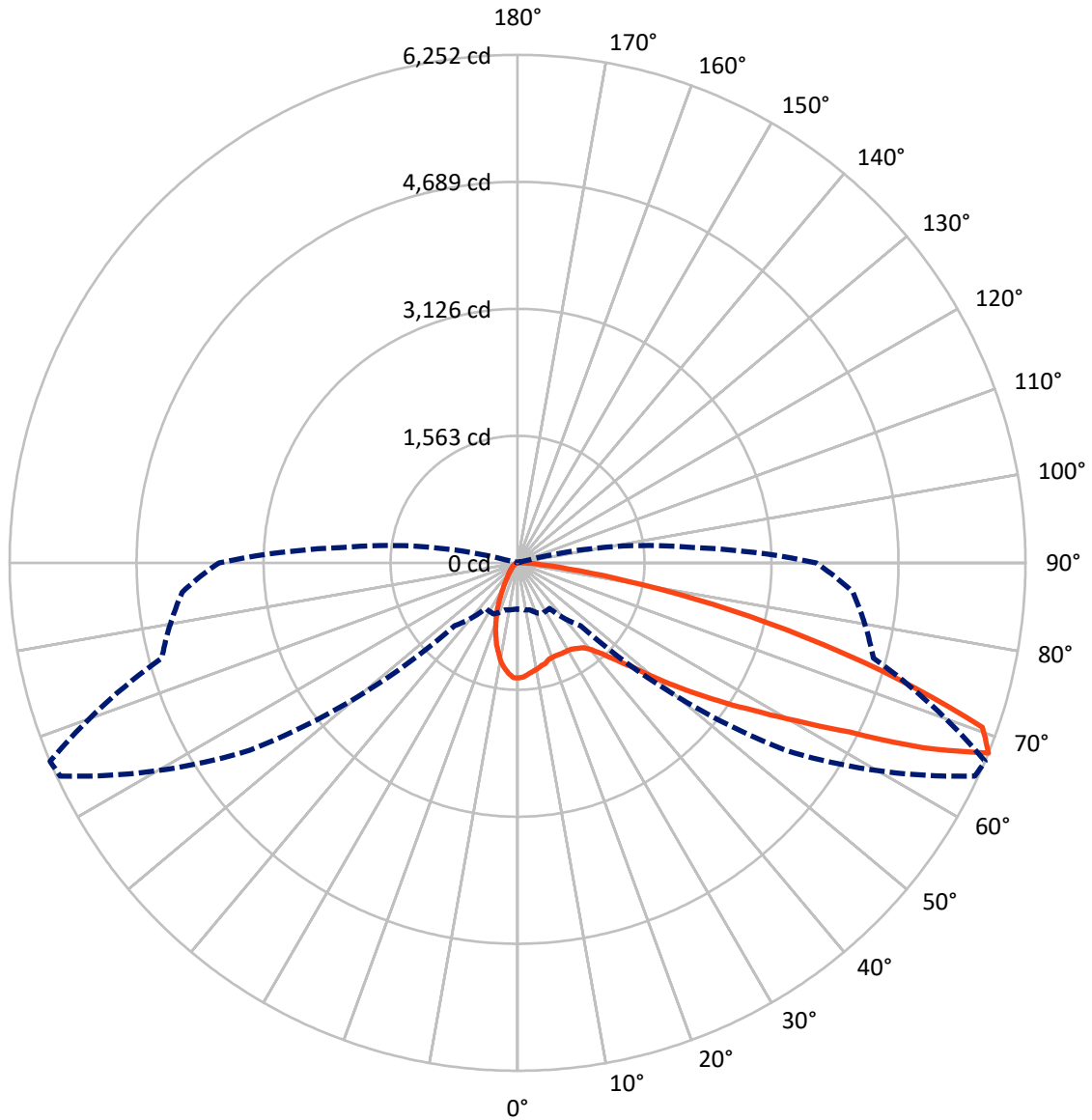
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P676902
CATALOG NUMBER: CCW-SA-2C-830-U-SL2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P676902
 CATALOG NUMBER: CCW-SA-2C-830-U-SL2-HSS

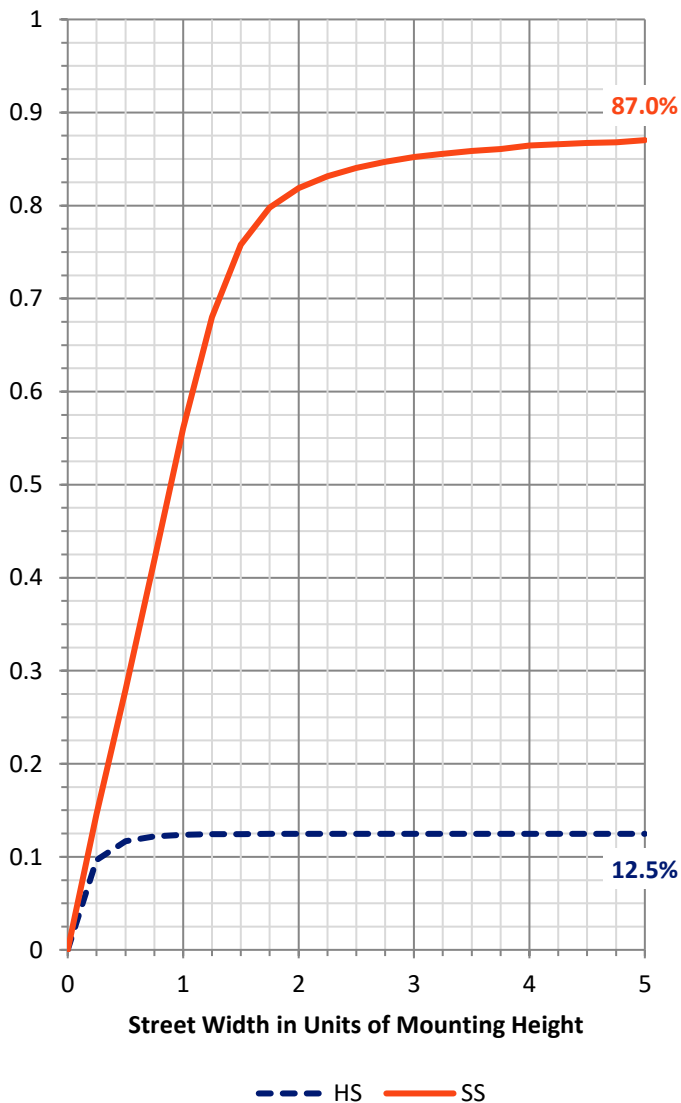
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	727.1	0.0	727.1
	% Fixture	12.6	0.0	12.6
Street Side	Lumens	5050.3	0.0	5050.3
	% Fixture	87.4	0.0	87.4
Total	Lumens	5777.4	0.0	5777.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.4	2.1
10°-20°	265.2	4.6
20°-30°	377.2	6.5
30°-40°	549.2	9.5
40°-50°	850.0	14.7
50°-60°	1304.5	22.6
60°-70°	1414.0	24.5
70°-80°	797.7	13.8
80°-90°	100.2	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°	5777.4	100.0
0°-180°	5777.4	100.0

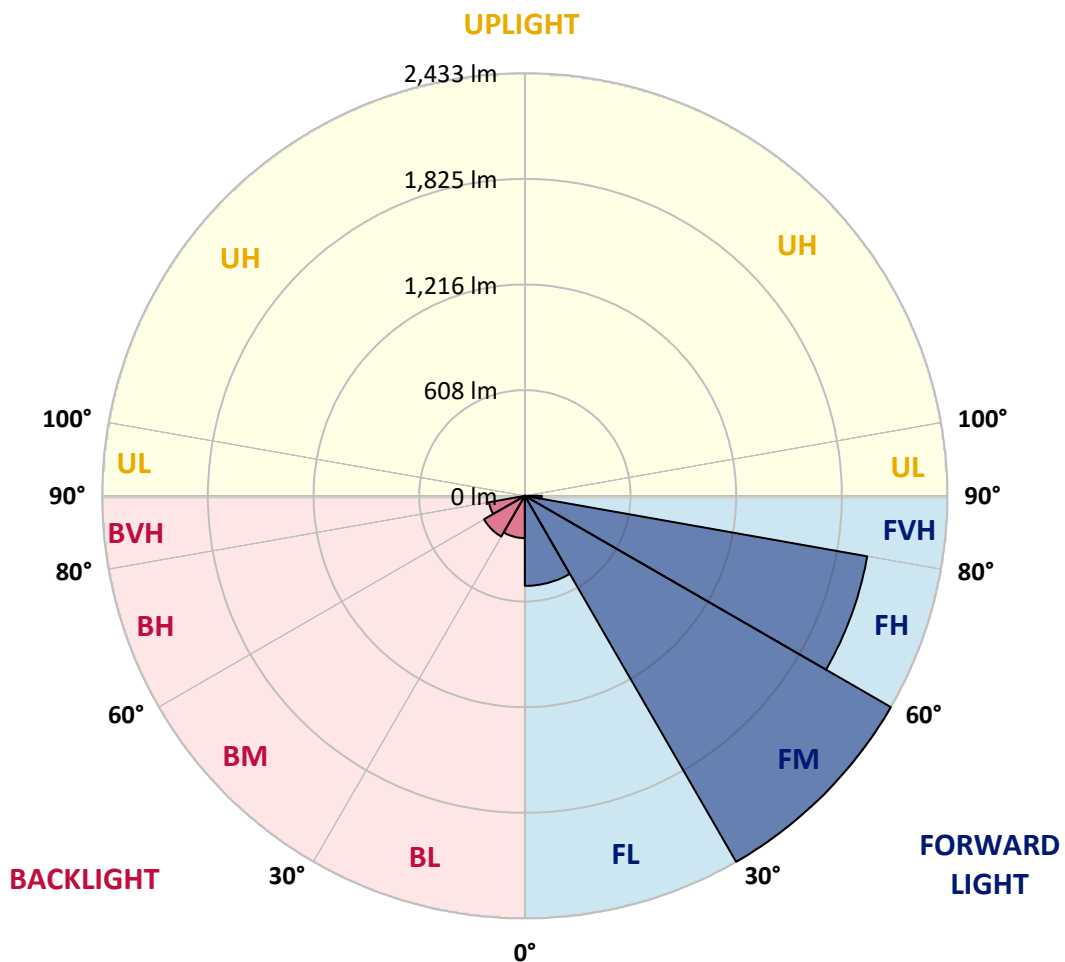


REPORT NUMBER: P676902
 CATALOG NUMBER: CCW-SA-2C-830-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	518.4	9.0			
FM (30°-60°)	2432.8	42.1			
FH (60°-80°)	2001.7	34.6			G2/5000
FVH (80°-90°)	97.4	1.7			G1/100
BL (0°-30°)	243.4	4.2	B1/500		
BM (30°-60°)	270.8	4.7	B1/1000		
BH (60°-80°)	210.0	3.6	B1/500		G1/500
BVH (80°-90°)	2.9	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-G2
 Type II Short





REPORT NUMBER: P676902

CATALOG NUMBER: CCW-SA-2C-830-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1417.1	1417.1	1417.1	1417.1	1417.1	1417.1	1417.1	1417.1	1417.1	1417.1	1417.1
2.5°	1355.8	1362.8	1372.5	1386.5	1396.2	1390.6	1394.8	1418.5	1405.9	1417.1	1411.5
5°	1280.7	1287.6	1301.5	1300.2	1311.3	1332.2	1360.0	1390.6	1376.7	1410.1	1422.7
7.5°	1202.7	1199.9	1199.9	1229.2	1252.8	1282.1	1297.4	1347.5	1348.9	1378.1	1408.7
10°	1131.7	1140.1	1154.0	1165.1	1187.4	1229.2	1273.7	1312.7	1328.0	1386.5	1394.8
12.5°	1088.6	1092.7	1109.4	1119.2	1148.4	1188.8	1236.1	1286.2	1298.8	1358.6	1399.0
15°	1070.5	1080.2	1085.8	1103.9	1119.2	1156.8	1191.6	1248.6	1284.8	1332.2	1382.3
17.5°	1084.4	1080.2	1083.0	1088.6	1106.7	1140.1	1177.7	1234.7	1247.3	1326.6	1401.8
20°	1102.5	1103.9	1095.5	1092.7	1088.6	1120.6	1151.2	1225.0	1238.9	1326.6	1414.3
22.5°	1151.2	1135.9	1151.2	1128.9	1106.7	1120.6	1149.8	1226.4	1236.1	1325.2	1426.8
25°	1211.1	1213.8	1218.0	1170.7	1138.7	1128.9	1159.6	1230.6	1238.9	1336.3	1432.4
27.5°	1296.0	1308.5	1287.6	1264.0	1199.9	1151.2	1158.2	1227.8	1243.1	1330.8	1446.3
30°	1410.1	1400.4	1403.2	1348.9	1286.2	1209.7	1190.2	1234.7	1245.9	1337.7	1472.8
32.5°	1509.0	1497.8	1517.3	1497.8	1399.0	1293.2	1227.8	1248.6	1261.2	1354.4	1495.0
35°	1570.2	1584.1	1614.8	1635.6	1552.1	1401.8	1290.4	1286.2	1291.8	1362.8	1511.7
37.5°	1664.9	1689.9	1715.0	1767.9	1695.5	1535.4	1389.2	1335.0	1325.2	1403.2	1520.1
40°	1767.9	1760.9	1834.7	1897.3	1894.5	1723.3	1527.1	1421.3	1407.3	1467.2	1575.8
42.5°	1854.2	1847.2	1929.3	2032.4	2043.5	1904.3	1684.4	1543.8	1531.2	1566.0	1644.0
45°	1966.9	1972.5	2069.9	2192.4	2232.8	2143.7	1897.3	1719.2	1712.2	1701.1	1773.4
47.5°	2067.2	2097.8	2181.3	2326.1	2472.2	2391.5	2147.9	1975.3	1926.6	1901.5	1973.9
50°	2136.8	2164.6	2266.2	2420.7	2688.0	2739.5	2429.1	2248.1	2249.5	2188.3	2227.2
52.5°	2136.8	2135.4	2217.5	2420.7	2838.3	3102.8	2804.9	2592.0	2603.1	2539.1	2541.8
55°	1930.7	1926.6	2026.8	2242.6	2821.6	3452.2	3374.3	3027.7	2999.8	2875.9	2888.5
57.5°	1554.9	1564.6	1641.2	1900.1	2604.5	3615.1	4052.2	3517.7	3423.0	3166.9	3166.9
60°	1134.5	1126.2	1183.2	1364.2	2086.6	3553.8	4609.0	4095.3	3946.4	3407.7	3371.5
62.5°	863.1	861.7	877.0	938.2	1323.8	3098.7	4848.4	4830.3	4588.1	3644.3	3592.8
65°	697.4	700.2	721.1	764.2	808.8	2113.1	4721.8	5707.3	5486.0	3996.5	3828.1
67.5°	569.3	576.3	601.4	694.6	684.9	1094.1	4021.6	6209.8	6251.6	4533.8	4144.1
70°	438.5	449.6	478.9	611.1	659.8	728.0	2788.2	5959.3	6070.6	4867.9	3953.4
72.5°	297.9	296.5	359.1	495.6	666.8	666.8	1552.1	4799.7	4905.5	4487.9	3434.1
75°	161.5	171.2	238.0	374.5	611.1	644.5	883.9	3512.1	3661.0	3489.8	2656.0
77.5°	87.7	89.1	132.2	245.0	508.1	615.3	590.2	2388.7	2447.2	2104.7	1454.7
80°	45.9	47.3	69.6	160.1	350.8	570.7	491.4	1424.0	1368.4	807.4	480.2
82.5°	20.9	22.3	34.8	100.2	224.1	449.6	424.6	687.7	634.8	225.5	146.2
85°	8.4	8.4	15.3	59.9	130.9	221.3	363.3	345.2	288.1	68.2	72.4
87.5°	2.8	2.8	4.2	23.7	52.9	132.2	193.5	182.4	125.3	25.1	39.0
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: P676902

CATALOG NUMBER: CCW-SA-2C-830-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1417.1	1417.1	1417.1	1417.1	1417.1	1417.1	1417.1	1417.1	1417.1	1417.1	1417.1
2.5°	1405.9	1421.3	1417.1	1414.3	1387.9	1385.1	1382.3	1357.2	1365.6	1344.7	1358.6
5°	1414.3	1422.7	1400.4	1358.6	1321.0	1279.3	1247.3	1225.0	1184.6	1169.3	1166.5
7.5°	1405.9	1405.9	1360.0	1293.2	1219.4	1151.2	1064.9	1003.7	957.7	922.9	935.4
10°	1394.8	1378.1	1330.8	1212.5	1078.8	975.8	851.9	761.4	693.2	671.0	657.0
12.5°	1394.8	1365.6	1259.8	1098.3	925.7	769.8	622.2	503.9	438.5	399.5	393.9
15°	1382.3	1339.1	1208.3	991.1	776.8	565.2	396.7	295.1	239.4	224.1	218.5
17.5°	1385.1	1333.6	1131.7	864.4	602.7	375.8	242.2	186.5	172.6	165.7	167.0
20°	1390.6	1333.6	1063.5	740.6	434.3	233.9	167.0	157.3	150.3	147.6	148.9
22.5°	1408.7	1307.1	993.9	613.9	293.7	168.4	147.6	137.8	132.2	128.1	126.7
25°	1411.5	1302.9	927.1	488.6	201.8	142.0	129.5	118.3	111.4	105.8	104.4
27.5°	1407.3	1284.8	833.8	363.3	151.7	126.7	110.0	98.8	89.1	84.9	83.5
30°	1422.7	1251.4	754.5	261.7	128.1	110.0	93.3	80.7	72.4	66.8	66.8
32.5°	1424.0	1222.2	666.8	186.5	116.9	97.4	79.3	65.4	57.1	54.3	54.3
35°	1425.4	1195.8	569.3	142.0	104.4	83.5	65.4	54.3	48.7	44.5	44.5
37.5°	1429.6	1176.3	480.2	119.7	93.3	71.0	54.3	44.5	39.0	37.6	37.6
40°	1438.0	1149.8	387.0	105.8	80.7	59.9	45.9	37.6	32.0	30.6	29.2
42.5°	1460.2	1142.9	309.0	94.7	72.4	50.1	37.6	30.6	26.4	23.7	22.3
45°	1552.1	1161.0	239.4	87.7	61.2	41.8	32.0	25.1	19.5	18.1	16.7
47.5°	1702.4	1220.8	189.3	78.0	51.5	34.8	26.4	19.5	15.3	13.9	12.5
50°	1930.7	1357.2	154.5	69.6	43.2	29.2	20.9	15.3	11.1	9.7	9.7
52.5°	2230.0	1541.0	133.6	61.2	34.8	25.1	16.7	11.1	8.4	7.0	7.0
55°	2536.3	1758.1	125.3	52.9	29.2	20.9	12.5	8.4	5.6	4.2	4.2
57.5°	2817.5	1898.7	121.1	43.2	25.1	15.3	9.7	5.6	2.8	1.4	1.4
60°	2992.9	2001.7	108.6	34.8	19.5	12.5	7.0	2.8	1.4	0.0	0.0
62.5°	3223.9	2106.1	89.1	26.4	13.9	8.4	4.2	1.4	0.0	0.0	0.0
65°	3528.8	2223.1	69.6	20.9	11.1	5.6	2.8	1.4	0.0	0.0	0.0
67.5°	3675.0	2161.8	47.3	15.3	7.0	2.8	1.4	0.0	0.0	0.0	0.0
70°	3382.6	1820.8	33.4	11.1	4.2	1.4	1.4	0.0	0.0	0.0	0.0
72.5°	2843.9	1426.8	25.1	7.0	2.8	1.4	0.0	0.0	0.0	0.0	0.0
75°	2096.4	892.3	19.5	5.6	2.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	1112.2	332.7	13.9	4.2	1.4	0.0	0.0	0.0	0.0	0.0	0.0
80°	328.5	97.4	9.7	2.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	108.6	29.2	5.6	2.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0
85°	55.7	11.1	2.8	2.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	32.0	4.2	2.8	2.8	1.4	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)