

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: McGRAW-EDISON

Report Number: P595870

Luminaire Tested: **ISW-PA1F-735-U-T3**

Issue Date: 3/22/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P595870  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/22/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: ISW-PA1F-735-U-T3  
Description: IMPACT ELITE LED WEDGE LUMINAIRE  
(1) 70 CRI, 3500K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10371 lumens  
Efficiency: N/A  
Efficacy: 110.9 lumens/watt  
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3

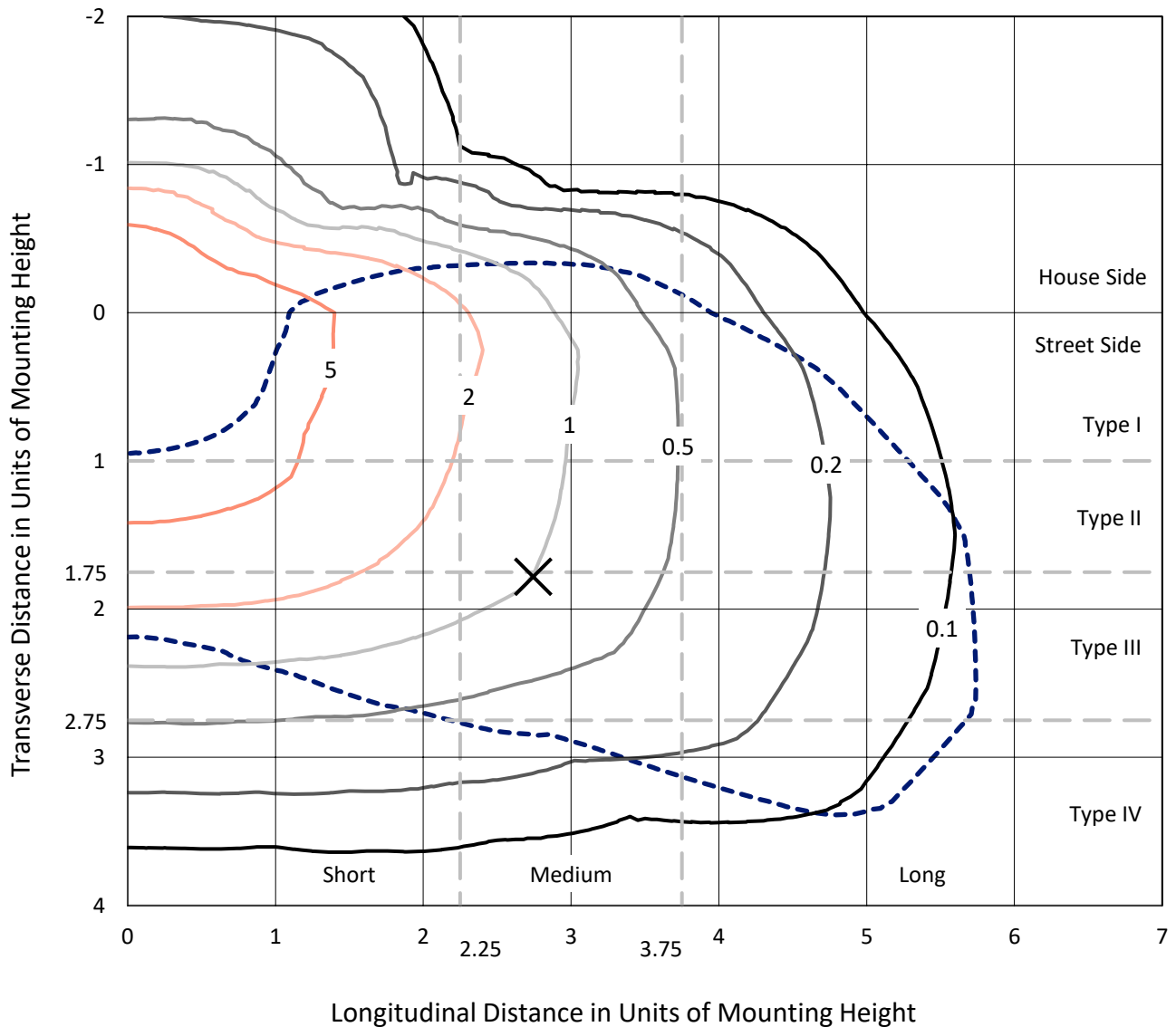
Input Watts (W): 93.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

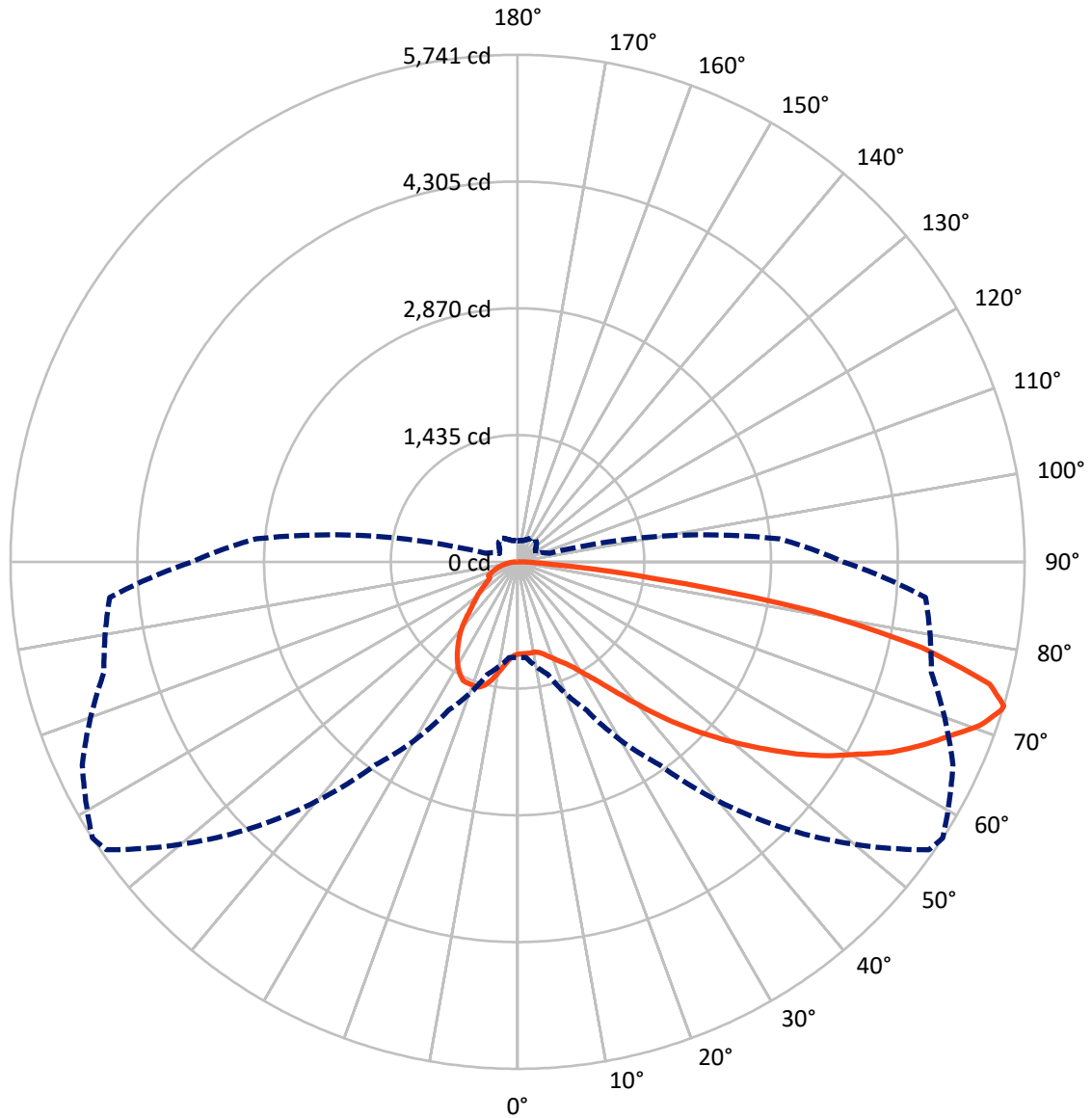
× Max cd  
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 8.9 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 73-Deg Vertical

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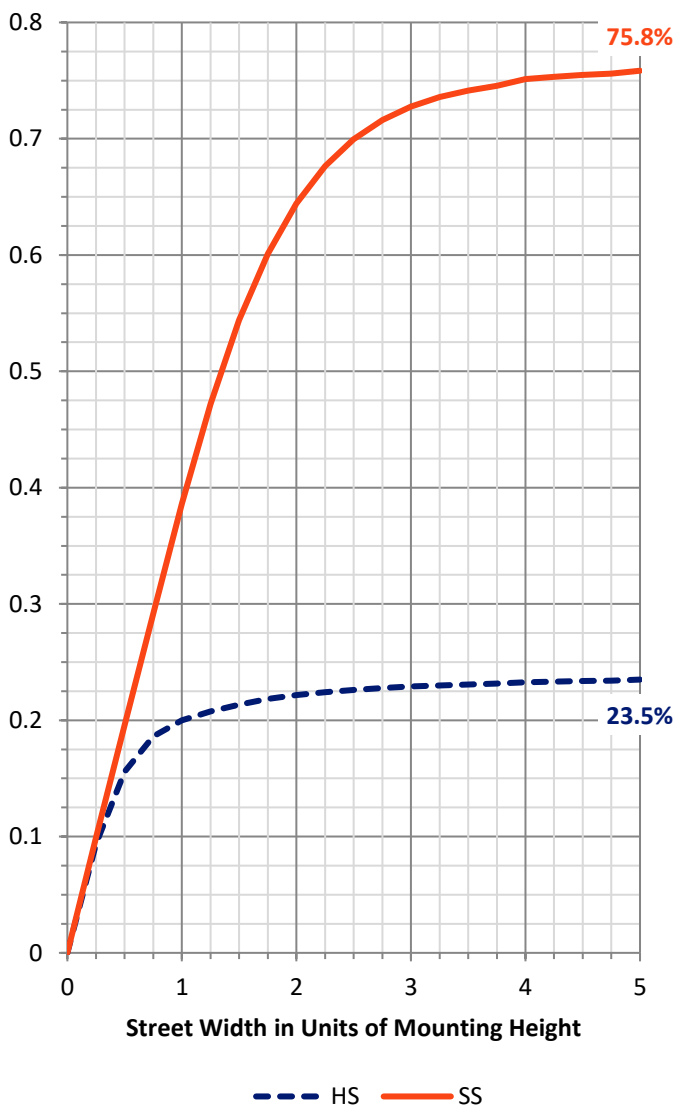
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2474.2	0.0	2474.2
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	7896.8	0.0	7896.8
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	10371.0	0.0	10371.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.3	1.0
10°-20°	343.1	3.3
20°-30°	633.4	6.1
30°-40°	978.0	9.4
40°-50°	1472.2	14.2
50°-60°	2154.7	20.8
60°-70°	2544.5	24.5
70°-80°	1821.7	17.6
80°-90°	319.2	3.1
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°	10371.0	100.0
0°-180°	10371.0	100.0

**Coefficient of Utilization**

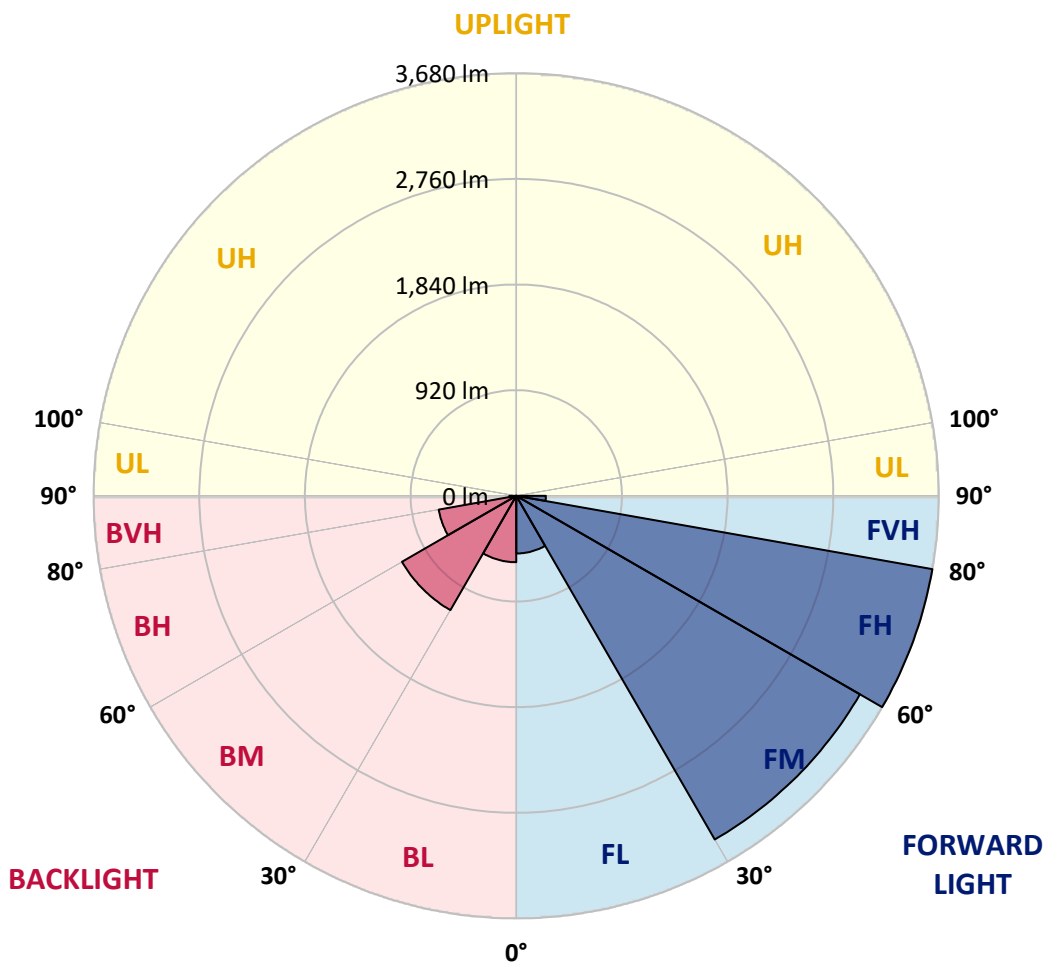


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	502.5	4.8			
FM (30°-60°)	3455.9	33.3			
FH (60°-80°)	3680.2	35.5			G2/5000
FVH (80°-90°)	258.2	2.5			G3/500
BL (0°-30°)	578.2	5.6	B2/1000		
BM (30°-60°)	1149.0	11.1	B2/2500		
BH (60°-80°)	686.0	6.6	B2/1000		G2/1000
BVH (80°-90°)	61.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1044.9	1044.9	1044.9	1044.9	1044.9	1044.9	1044.9	1044.9	1044.9	1044.9	1044.9
2.5°	1032.2	1037.3	1034.7	1037.3	1044.9	1039.8	1039.8	1042.3	1044.9	1042.3	1047.4
5°	989.0	991.5	996.6	1006.7	1024.5	1029.6	1042.3	1042.3	1047.4	1052.5	1060.1
7.5°	917.8	922.9	933.0	943.2	973.7	1004.2	1037.3	1042.3	1060.1	1072.8	1077.9
10°	905.1	910.1	912.7	927.9	958.4	989.0	1029.6	1039.8	1072.8	1093.2	1116.1
12.5°	892.3	897.4	905.1	925.4	963.5	996.6	1039.8	1050.0	1090.6	1131.3	1159.3
15°	902.5	905.1	912.7	933.0	971.2	1016.9	1072.8	1080.5	1126.2	1177.1	1220.3
17.5°	927.9	930.5	927.9	945.7	981.3	1034.7	1111.0	1123.7	1179.6	1230.5	1273.7
20°	986.4	989.0	978.8	978.8	1004.2	1057.6	1151.7	1169.5	1238.1	1294.0	1337.2
22.5°	1113.5	1108.4	1083.0	1050.0	1050.0	1093.2	1197.4	1222.8	1309.3	1355.0	1393.2
25°	1294.0	1294.0	1253.4	1192.3	1151.7	1146.6	1250.8	1278.8	1380.5	1436.4	1459.3
27.5°	1512.7	1515.2	1449.1	1367.8	1288.9	1250.8	1327.1	1355.0	1469.4	1527.9	1535.5
30°	1705.9	1708.4	1642.3	1566.1	1469.4	1385.6	1428.8	1459.3	1591.5	1637.2	1611.8
32.5°	1899.1	1901.6	1855.9	1751.6	1649.9	1545.7	1558.4	1576.2	1711.0	1754.2	1713.5
35°	2066.9	2074.5	2028.8	1949.9	1843.2	1749.1	1726.2	1728.8	1850.8	1878.8	1825.4
37.5°	2237.2	2237.2	2209.3	2135.5	2044.0	1939.8	1909.3	1916.9	2026.2	2054.2	1977.9
40°	2453.3	2463.5	2448.2	2356.7	2252.5	2166.0	2135.5	2145.7	2265.2	2249.9	2168.6
42.5°	2715.2	2738.1	2712.6	2613.5	2501.6	2405.0	2405.0	2405.0	2506.7	2509.2	2387.2
45°	3050.8	3050.8	3025.3	2938.9	2791.4	2694.8	2661.8	2669.4	2758.4	2768.6	2626.2
47.5°	3330.4	3355.8	3327.9	3264.3	3147.4	3055.8	2951.6	2938.9	3012.6	3012.6	2890.6
50°	3556.7	3602.4	3579.5	3607.5	3523.6	3477.9	3264.3	3228.7	3254.1	3279.6	3144.8
52.5°	3744.8	3780.4	3772.8	3854.1	3894.8	3920.2	3582.1	3526.2	3546.5	3544.0	3421.9
55°	3757.5	3770.2	3884.6	4067.7	4227.8	4347.3	3902.4	3841.4	3821.1	3810.9	3716.8
57.5°	3683.8	3691.4	3920.2	4136.3	4484.6	4621.9	4205.0	4143.9	4116.0	4080.4	4042.2
60°	3505.8	3544.0	3843.9	4177.0	4637.1	4835.4	4487.1	4423.6	4403.3	4327.0	4413.4
62.5°	3279.6	3297.4	3597.3	4093.1	4657.5	4927.0	4784.6	4746.5	4682.9	4573.6	4743.9
65°	2959.2	2956.7	3221.1	3846.5	4553.2	4972.7	5036.3	5015.9	4937.1	4749.0	5038.8
67.5°	2430.4	2488.9	2748.2	3409.2	4301.6	5018.5	5293.1	5267.6	5143.1	4906.6	5178.7
70°	1853.3	1888.9	2183.8	2753.3	3800.7	4893.9	5544.7	5552.4	5326.1	4939.7	5117.6
72.5°	1182.2	1243.2	1477.1	2005.9	3043.1	4431.2	5694.7	5730.3	5427.8	4893.9	4738.8
73°	1083.0	1088.1	1316.9	1855.9	2806.7	4266.0	5684.6	5740.5	5438.0	4848.2	4634.6
75°	645.7	673.7	811.0	1233.0	2003.3	3427.0	5410.0	5521.9	5384.6	4644.8	4062.6
77.5°	302.5	322.9	399.1	650.8	1090.6	2061.8	4548.2	4680.4	4771.9	4065.1	3096.5
80°	160.2	162.7	195.8	328.0	584.7	849.1	3170.2	3388.9	3518.5	3060.9	2082.1
82.5°	134.7	134.7	152.5	211.0	373.7	330.5	1306.7	1555.9	1906.7	1507.6	818.6
85°	109.3	111.9	152.5	157.6	266.9	170.3	312.7	391.5	739.8	666.1	91.5
87.5°	35.6	40.7	86.4	111.9	142.4	66.1	78.8	86.4	86.4	127.1	30.5
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°	1044.9	1044.9	1044.9	1044.9	1044.9	1044.9	1044.9	1044.9	1044.9	1044.9	1044.9
2.5°	1050.0	1050.0	1052.5	1055.1	1060.1	1060.1	1065.2	1067.8	1072.8	1075.4	1067.8
5°	1060.1	1065.2	1070.3	1085.6	1103.4	1118.6	1133.9	1146.6	1159.3	1166.9	1164.4
7.5°	1088.1	1095.7	1116.1	1144.0	1179.6	1202.5	1225.4	1248.3	1258.4	1263.5	1263.5
10°	1126.2	1141.5	1179.6	1225.4	1266.1	1301.7	1319.5	1334.7	1339.8	1344.9	1339.8
12.5°	1179.6	1200.0	1258.4	1316.9	1362.7	1380.5	1377.9	1357.6	1329.6	1324.5	1319.5
15°	1248.3	1273.7	1339.8	1408.4	1444.0	1421.1	1362.7	1342.3	1337.2	1352.5	1347.4
17.5°	1306.7	1337.2	1418.6	1489.8	1482.2	1403.3	1385.6	1395.7	1390.6	1393.2	1393.2
20°	1362.7	1405.9	1492.3	1540.6	1474.5	1423.7	1408.4	1395.7	1380.5	1385.6	1380.5
22.5°	1433.9	1464.4	1563.5	1566.1	1464.4	1423.7	1390.6	1365.2	1360.1	1362.7	1365.2
25°	1489.8	1538.1	1624.5	1548.3	1464.4	1383.0	1337.2	1332.2	1334.7	1350.0	1344.9
27.5°	1566.1	1614.4	1672.8	1538.1	1403.3	1316.9	1299.1	1296.6	1278.8	1283.9	1283.9
30°	1637.2	1695.7	1698.3	1538.1	1327.1	1261.0	1235.6	1189.8	1151.7	1159.3	1156.7
32.5°	1733.8	1784.7	1703.3	1477.1	1240.6	1187.3	1118.6	1047.4	1029.6	1039.8	1042.3
35°	1845.7	1886.4	1708.4	1375.4	1154.2	1083.0	958.4	917.8	915.2	922.9	930.5
37.5°	1993.2	2016.0	1746.6	1258.4	1070.3	920.3	823.7	813.5	790.7	775.4	777.9
40°	2173.7	2145.7	1820.3	1154.2	971.2	772.9	732.2	704.2	661.0	617.8	625.4
42.5°	2374.5	2295.7	1843.2	1070.3	836.4	681.3	643.2	600.0	546.6	500.8	498.3
45°	2590.6	2463.5	1822.8	1004.2	701.7	612.7	572.0	521.2	457.6	419.5	419.5
47.5°	2847.4	2623.6	1759.3	950.8	607.6	551.7	500.8	450.0	406.8	371.2	371.2
50°	3129.6	2809.2	1713.5	856.8	541.5	493.2	442.4	401.7	368.6	340.7	340.7
52.5°	3427.0	2984.7	1675.4	719.5	483.0	439.8	404.2	371.2	343.2	307.6	302.5
55°	3729.5	3152.4	1693.2	587.3	429.6	401.7	378.8	345.8	335.6	328.0	322.9
57.5°	4044.8	3335.5	1736.4	480.5	383.9	381.3	371.2	394.1	416.9	401.7	394.1
60°	4291.4	3477.9	1741.5	404.2	355.9	401.7	452.5	460.2	399.1	363.5	361.0
62.5°	4487.1	3612.6	1622.0	350.8	363.5	472.9	483.0	406.8	345.8	330.5	330.5
65°	4588.8	3660.9	1304.2	320.3	378.8	452.5	437.3	366.1	322.9	320.3	320.3
67.5°	4538.0	3622.8	912.7	287.3	335.6	391.5	391.5	335.6	297.4	310.2	305.1
70°	4293.9	3434.6	602.5	259.3	294.9	353.4	363.5	312.7	277.1	284.7	277.1
72.5°	3785.5	3099.1	396.6	228.8	254.2	312.7	338.1	287.3	254.2	251.7	244.1
73°	3686.3	2971.9	373.7	223.7	246.6	302.5	330.5	282.2	249.1	241.5	236.4
75°	3127.0	2478.7	282.2	200.8	218.6	272.0	307.6	264.4	228.8	218.6	213.6
77.5°	2277.9	1718.6	211.0	170.3	183.0	236.4	272.0	241.5	203.4	190.7	188.1
80°	1421.1	935.6	157.6	137.3	144.9	198.3	239.0	216.1	175.4	160.2	157.6
82.5°	556.8	305.1	109.3	101.7	106.8	150.0	200.8	188.1	147.5	134.7	127.1
85°	91.5	104.2	71.2	68.6	68.6	106.8	152.5	144.9	99.1	86.4	76.3
87.5°	25.4	48.3	28.0	25.4	25.4	45.8	83.9	66.1	40.7	33.0	30.5
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)