

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: LUMARK

Report Number: P511233

Luminaire Tested: **PRV-P-PA1C-730-U-T2U**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511233  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/7/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: PRV-P-PA1C-730-U-T2U  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8630 lumens  
Efficiency: N/A  
Efficacy: 119.7 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2

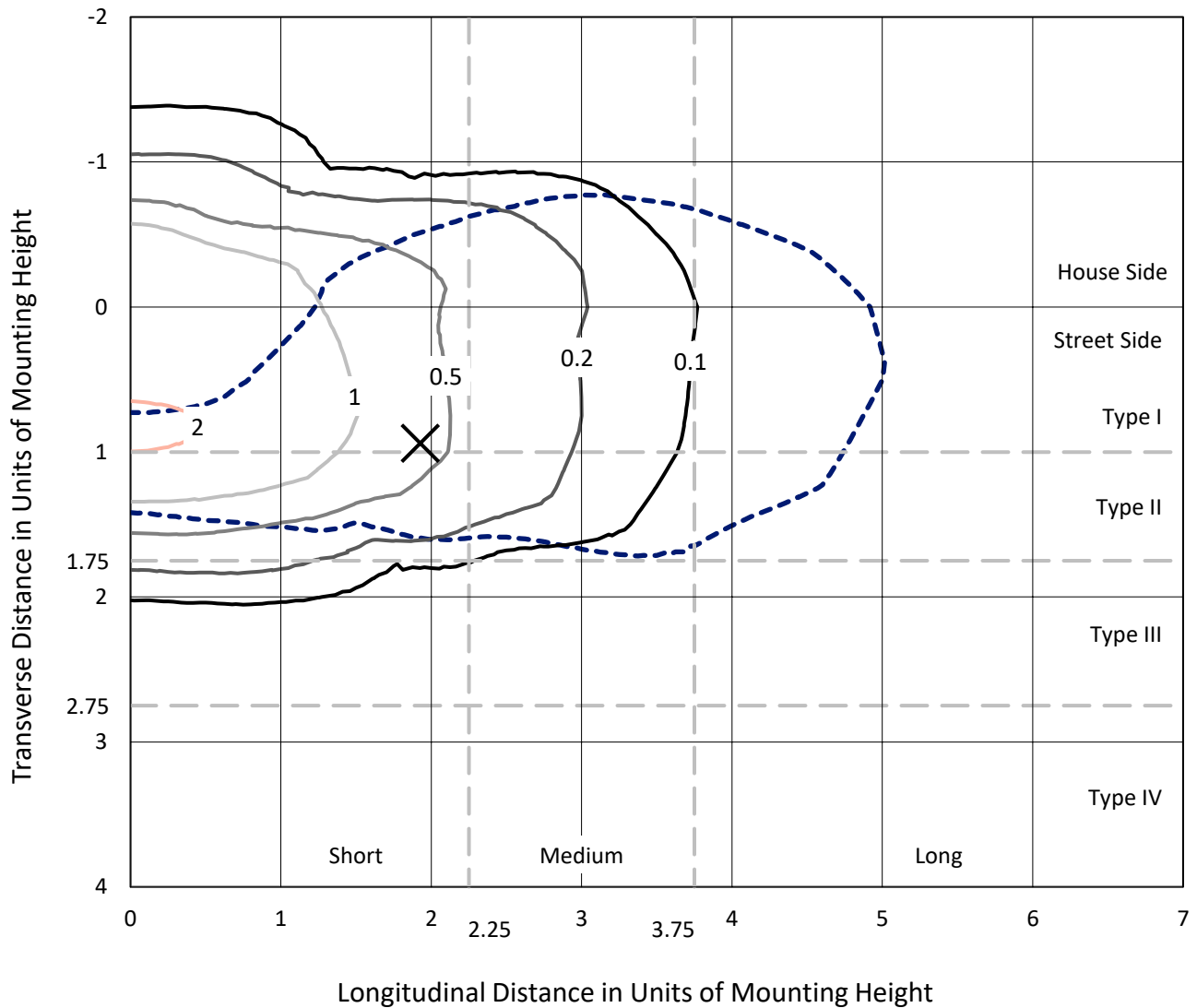
Input Watts (W): 72.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

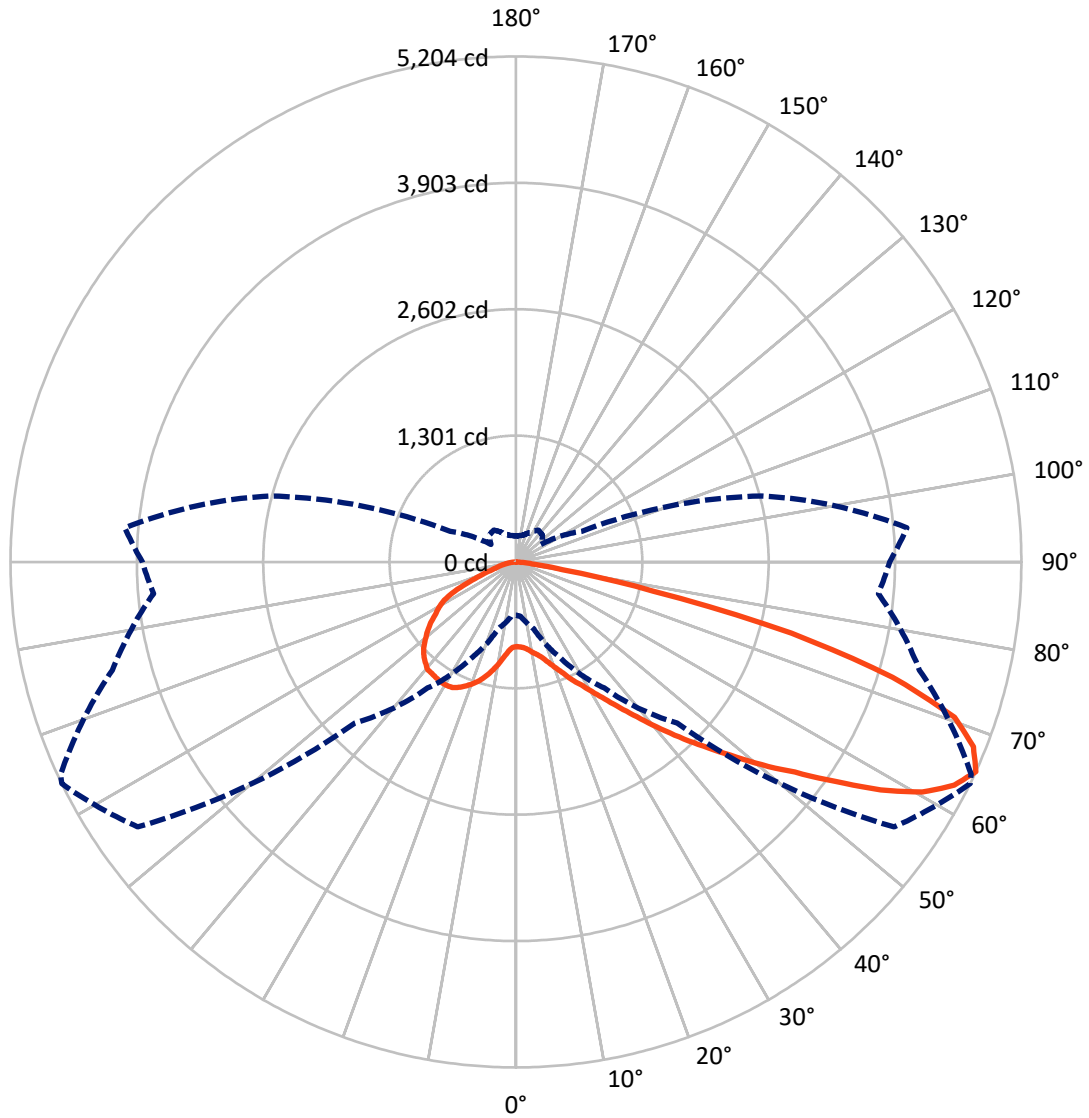
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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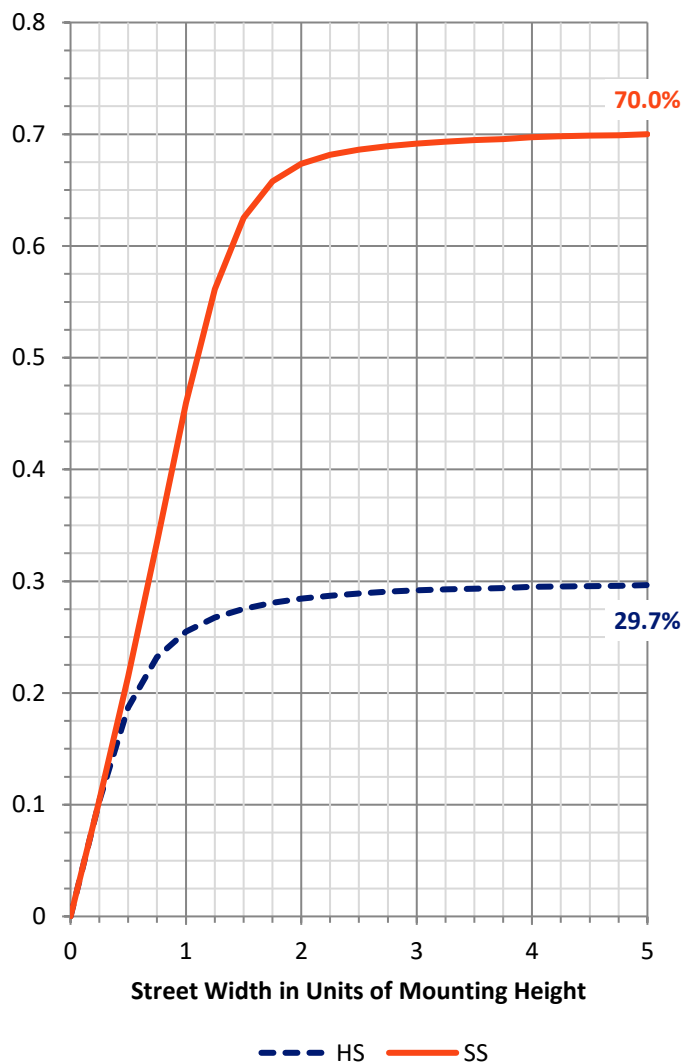
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2578.8	0.0	2578.8
	% Fixture	29.9	0.0	29.9
<b>Street Side</b>	Lumens	6051.2	0.0	6051.2
	% Fixture	70.1	0.0	70.1
<b>Total</b>	Lumens	8630.0	0.0	8630.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	89.8	1.0
10°-20°	312.3	3.6
20°-30°	604.6	7.0
30°-40°	966.7	11.2
40°-50°	1549.6	18.0
50°-60°	2030.2	23.5
60°-70°	1844.5	21.4
70°-80°	1101.6	12.8
80°-90°	130.6	1.5
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°	8630.0	100.0
0°-180°	8630.0	100.0

**Coefficient of Utilization**



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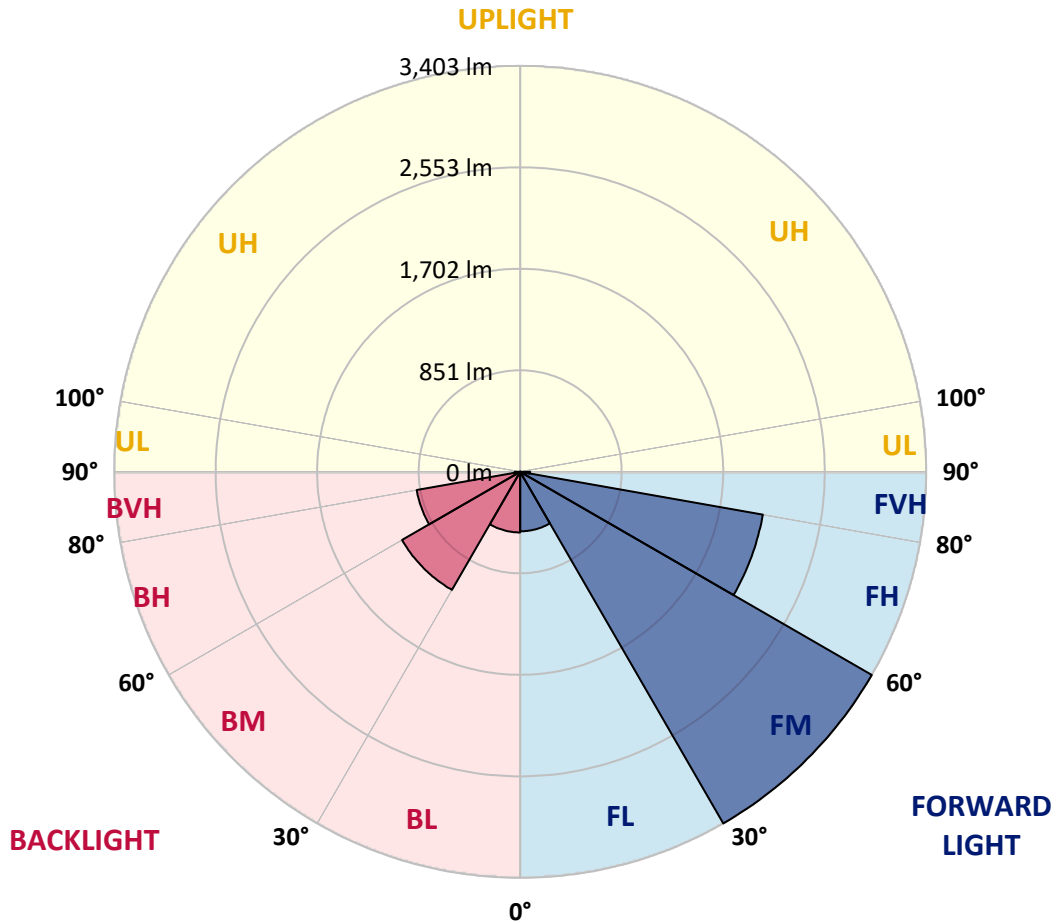
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	498.5	5.8			
FM (30°-60°)	3403.4	39.4			
FH (60°-80°)	2065.6	23.9			G2/5000
FVH (80°-90°)	83.7	1.0			G1/100
BL (0°-30°)	508.2	5.9	B2/1000		
BM (30°-60°)	1143.1	13.2	B2/2500		
BH (60°-80°)	880.5	10.2	B2/1000		G2/1000
BVH (80°-90°)	46.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5
2.5°	873.4	871.5	877.3	877.3	877.3	875.4	873.4	875.4	875.4	873.4	875.4
5°	869.6	869.6	875.4	883.0	883.0	888.8	885.0	886.9	888.8	890.7	890.7
7.5°	844.7	850.4	856.2	867.7	879.2	894.6	904.2	911.8	913.8	921.4	927.2
10°	858.1	856.2	865.8	873.4	885.0	909.9	925.3	946.4	942.6	963.7	973.3
12.5°	883.0	883.0	890.7	904.2	919.5	942.6	954.1	979.0	980.9	1000.1	1019.3
15°	913.8	913.8	927.2	942.6	965.6	996.3	1011.7	1023.2	1032.8	1048.1	1067.3
17.5°	969.4	977.1	979.0	994.4	1013.6	1052.0	1076.9	1086.5	1086.5	1100.0	1117.2
20°	1075.0	1090.4	1076.9	1075.0	1078.9	1119.2	1144.1	1161.4	1159.5	1163.3	1165.2
22.5°	1219.0	1228.6	1215.1	1199.8	1176.8	1201.7	1224.7	1243.9	1232.4	1232.4	1215.1
25°	1407.1	1395.6	1384.1	1339.9	1297.7	1288.1	1320.7	1343.8	1338.0	1309.2	1270.8
27.5°	1602.9	1587.6	1560.7	1512.7	1443.6	1407.1	1414.8	1434.0	1441.7	1393.7	1332.2
30°	1791.0	1794.9	1762.3	1695.1	1606.8	1545.3	1535.7	1549.2	1545.3	1482.0	1393.7
32.5°	2057.9	2032.9	2006.0	1913.9	1783.4	1710.4	1679.7	1681.6	1681.6	1587.6	1464.7
35°	2357.3	2361.2	2282.5	2153.9	1994.5	1892.8	1844.8	1841.0	1831.4	1725.8	1566.4
37.5°	2785.4	2758.6	2662.6	2486.0	2259.4	2115.5	2032.9	2021.4	2011.8	1883.2	1695.1
40°	3157.8	3161.7	3061.9	2881.4	2591.5	2353.5	2253.7	2232.6	2228.7	2056.0	1842.9
42.5°	3407.4	3394.0	3390.1	3284.5	3000.4	2743.2	2524.4	2462.9	2434.1	2263.3	2019.5
45°	3524.5	3530.3	3547.5	3566.7	3434.3	3188.6	2869.9	2704.8	2679.9	2474.4	2211.5
47.5°	3593.6	3607.1	3660.8	3718.4	3777.9	3689.6	3227.0	2971.6	2950.5	2695.2	2409.2
50°	3551.4	3541.8	3670.4	3831.7	4021.7	4194.5	3637.8	3282.6	3255.8	2964.0	2629.9
52.5°	3107.9	3154.0	3438.1	3799.0	4175.3	4511.2	4106.2	3595.5	3572.5	3217.4	2827.7
55°	2510.9	2545.5	2843.0	3415.1	4188.7	4712.8	4469.0	3987.1	3956.4	3470.8	3054.2
57.5°	1904.3	1994.5	2326.6	2779.7	3791.3	4747.3	4749.3	4426.7	4323.1	3722.2	3257.7
60°	1278.5	1315.0	1723.9	2161.5	3044.6	4434.4	4891.3	4808.8	4726.2	3966.0	3445.8
62.5°	865.8	873.4	1119.2	1633.6	2251.8	3695.4	4899.0	5064.1	4979.6	4163.8	3599.4
65°	547.1	562.5	712.2	1094.2	1583.7	2345.8	4755.0	5204.2	5171.6	4302.0	3745.3
67.5°	416.6	420.4	485.7	662.3	1107.6	1411.0	4111.9	5079.4	5089.0	4403.7	3814.4
70°	355.1	360.9	414.6	458.8	762.1	758.3	2635.7	4791.5	4826.0	4440.2	3852.8
72.5°	282.2	291.8	351.3	422.3	558.6	516.4	1126.8	4056.3	4159.9	4319.2	3824.0
75°	207.3	213.1	264.9	343.6	437.7	397.4	447.3	2929.4	3202.0	3789.4	3637.8
77.5°	147.8	157.4	197.7	255.3	397.4	287.9	278.4	1443.6	1735.4	2879.5	3127.1
80°	103.7	101.7	132.5	172.8	247.6	215.0	165.1	487.6	625.8	1649.0	2034.8
82.5°	51.8	53.8	76.8	107.5	140.1	170.9	92.1	193.9	224.6	677.6	760.2
85°	23.0	23.0	32.6	38.4	63.3	63.3	44.2	71.0	78.7	186.2	69.1
87.5°	0.0	1.9	1.9	3.8	3.8	5.8	7.7	9.6	11.5	11.5	9.6
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°	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5	871.5
2.5°	877.3	877.3	877.3	877.3	883.0	886.9	892.6	896.5	894.6	896.5	896.5
5°	894.6	896.5	904.2	913.8	927.2	938.7	957.9	961.8	971.4	967.5	977.1
7.5°	931.0	940.6	954.1	977.1	1002.1	1023.2	1040.5	1052.0	1059.7	1065.4	1059.7
10°	984.8	996.3	1023.2	1055.8	1086.5	1115.3	1126.8	1138.4	1136.4	1130.7	1128.8
12.5°	1032.8	1048.1	1090.4	1130.7	1171.0	1194.0	1184.4	1171.0	1159.5	1151.8	1149.9
15°	1082.7	1103.8	1149.9	1207.5	1240.1	1238.2	1211.3	1190.2	1188.3	1184.4	1180.6
17.5°	1132.6	1159.5	1219.0	1272.7	1293.9	1259.3	1232.4	1222.8	1226.7	1222.8	1220.9
20°	1178.7	1203.6	1272.7	1330.3	1320.7	1274.7	1257.4	1249.7	1240.1	1234.3	1230.5
22.5°	1222.8	1249.7	1328.4	1380.2	1347.6	1288.1	1267.0	1240.1	1230.5	1219.0	1215.1
25°	1265.1	1295.8	1374.5	1426.3	1347.6	1282.3	1238.2	1203.6	1182.5	1171.0	1171.0
27.5°	1326.5	1347.6	1420.6	1462.8	1332.2	1249.7	1171.0	1123.0	1090.4	1088.4	1088.4
30°	1372.6	1384.1	1458.9	1476.2	1297.7	1174.8	1075.0	1004.0	969.4	959.8	957.9
32.5°	1434.0	1430.2	1491.6	1480.1	1253.5	1080.8	948.3	867.7	823.5	810.1	802.4
35°	1510.8	1505.0	1558.8	1476.2	1192.1	969.4	808.2	716.0	685.3	662.3	664.2
37.5°	1635.6	1597.2	1662.4	1474.3	1109.6	823.5	660.4	604.7	564.4	541.3	543.3
40°	1766.1	1710.4	1779.5	1478.1	1013.6	679.6	560.5	520.2	481.8	447.3	451.1
42.5°	1925.4	1858.2	1904.3	1447.4	900.3	566.3	499.1	470.3	437.7	412.7	416.6
45°	2104.0	2008.0	2021.4	1416.7	771.7	504.9	479.9	458.8	430.0	397.4	399.3
47.5°	2299.8	2190.3	2109.7	1368.7	670.0	491.4	497.2	464.6	401.2	360.9	360.9
50°	2495.6	2386.1	2182.7	1293.9	604.7	524.1	495.3	416.6	366.7	341.7	337.9
52.5°	2697.1	2626.1	2224.9	1219.0	585.5	522.1	455.0	393.5	351.3	322.5	318.7
55°	2921.7	2885.3	2288.2	1136.4	529.8	503.0	435.8	376.3	330.2	307.1	301.4
57.5°	3132.9	3182.8	2347.7	1048.1	453.0	458.8	414.6	362.8	322.5	305.2	301.4
60°	3374.8	3484.2	2426.5	977.1	391.6	426.2	407.0	370.5	330.2	309.1	305.2
62.5°	3585.9	3770.2	2526.3	888.8	349.4	407.0	410.8	360.9	316.7	297.5	291.8
65°	3847.0	4040.9	2624.2	746.7	312.9	387.8	399.3	332.1	284.1	270.7	264.9
67.5°	4033.2	4207.9	2676.0	543.3	278.4	349.4	364.7	295.6	245.7	238.0	234.2
70°	4140.7	4167.6	2649.1	378.2	241.9	295.6	324.4	259.2	216.9	211.2	205.4
72.5°	4062.0	3895.0	2457.2	263.0	209.2	253.4	282.2	232.3	182.4	174.7	170.9
75°	3739.5	3376.7	1973.4	193.9	182.4	215.0	238.0	195.8	145.9	132.5	130.5
77.5°	3038.8	2576.2	1274.7	153.6	151.7	174.7	190.0	153.6	111.3	105.6	99.8
80°	1846.7	1574.1	541.3	115.2	115.2	126.7	140.1	120.9	84.5	72.9	71.0
82.5°	693.0	539.4	178.5	74.9	72.9	90.2	109.4	82.5	48.0	40.3	36.5
85°	51.8	63.3	65.3	36.5	32.6	36.5	44.2	23.0	13.4	9.6	9.6
87.5°	7.7	7.7	7.7	5.8	3.8	1.9	1.9	1.9	1.9	1.9	1.9
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)