

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: P511159

Luminaire Tested: **PRV-P-PA1B-730-U-T2R**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511159  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/7/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: PRV-P-PA1B-730-U-T2R  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6705 lumens  
Efficiency: N/A  
Efficacy: 127.0 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

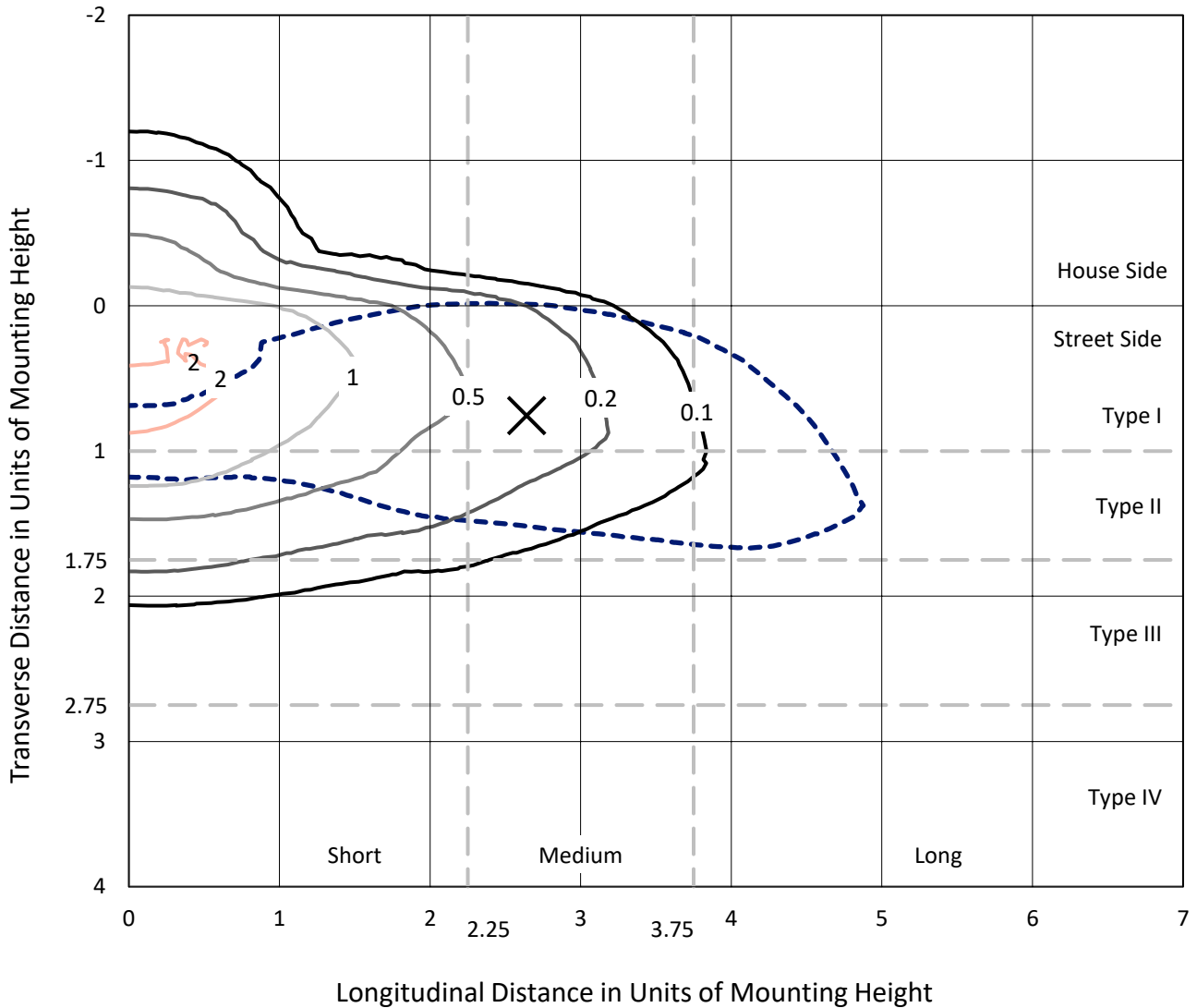
Input Watts (W): 52.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

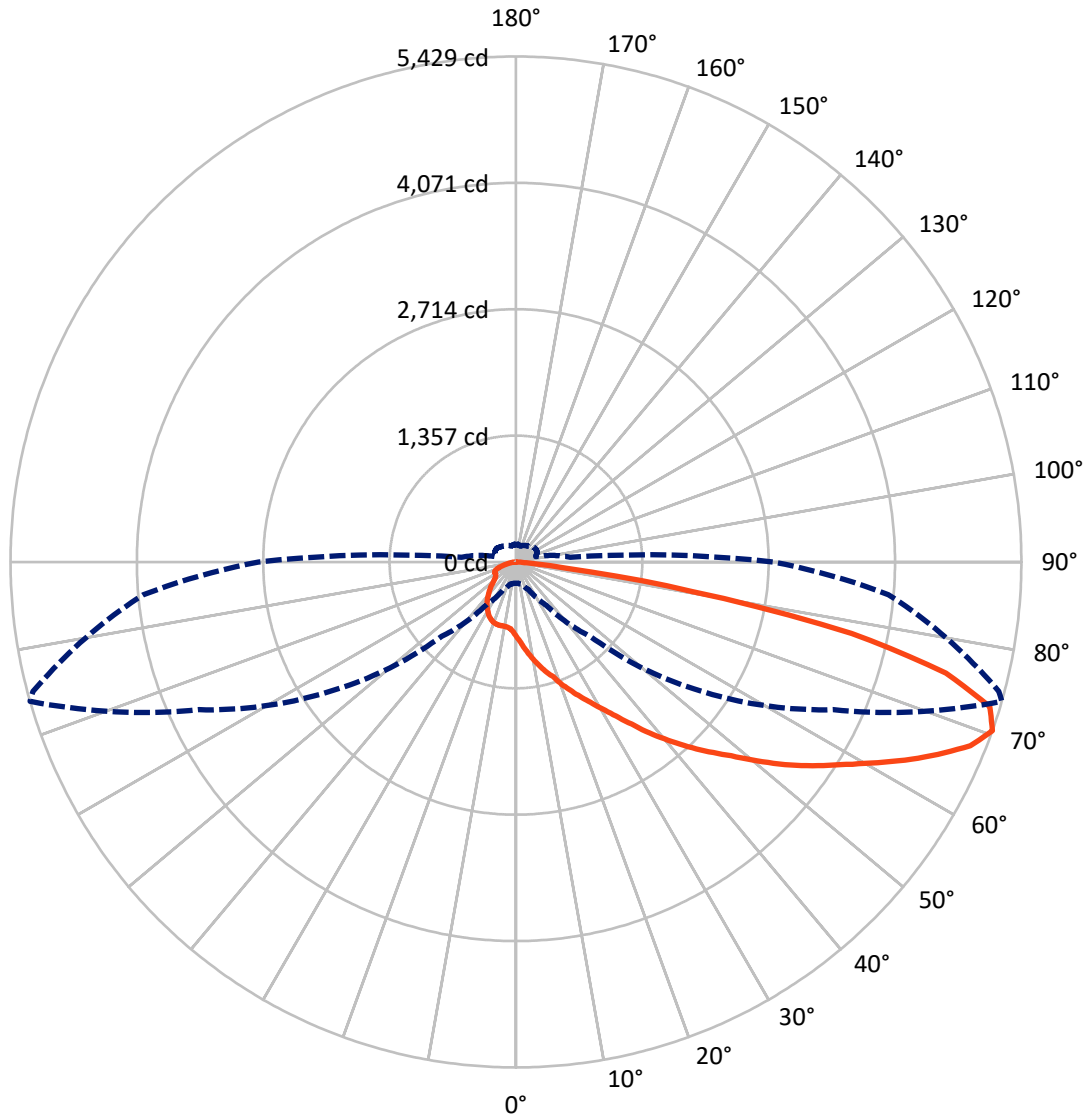
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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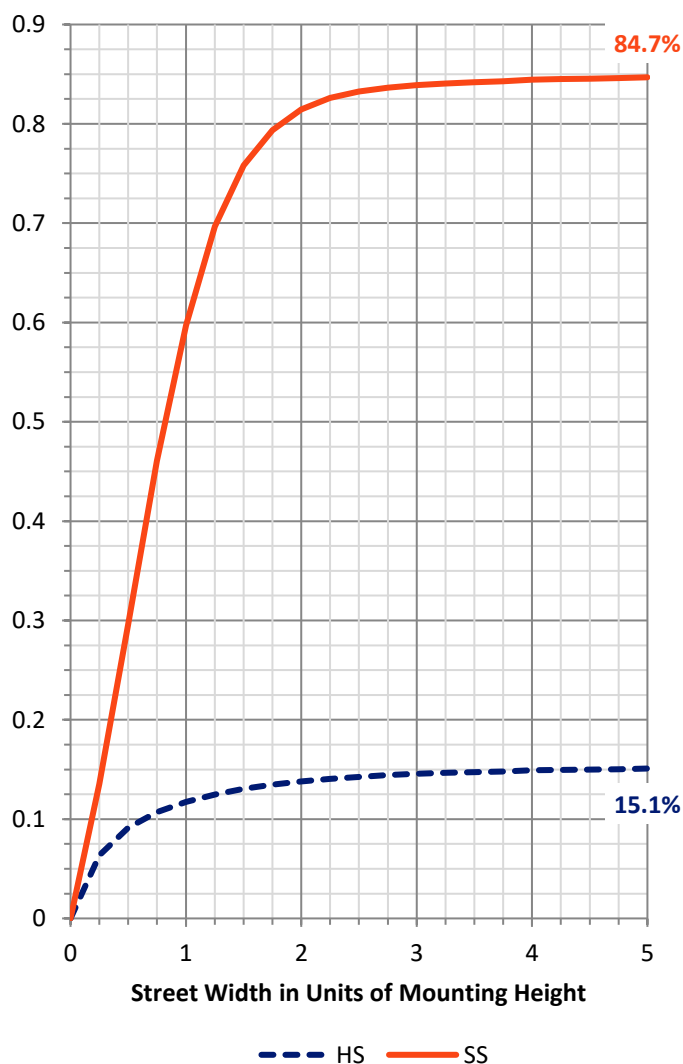
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1020.0	0.0	1020.0
	% Fixture	15.2	0.0	15.2
<b>Street Side</b>	Lumens	5685.0	0.0	5685.0
	% Fixture	84.8	0.0	84.8
<b>Total</b>	Lumens	6705.0	0.0	6705.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.0	1.3
10°-20°	280.7	4.2
20°-30°	522.0	7.8
30°-40°	880.3	13.1
40°-50°	1248.1	18.6
50°-60°	1434.5	21.4
60°-70°	1338.5	20.0
70°-80°	830.0	12.4
80°-90°	86.8	1.3
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°	6705.0	100.0
0°-180°	6705.0	100.0

**Coefficient of Utilization**

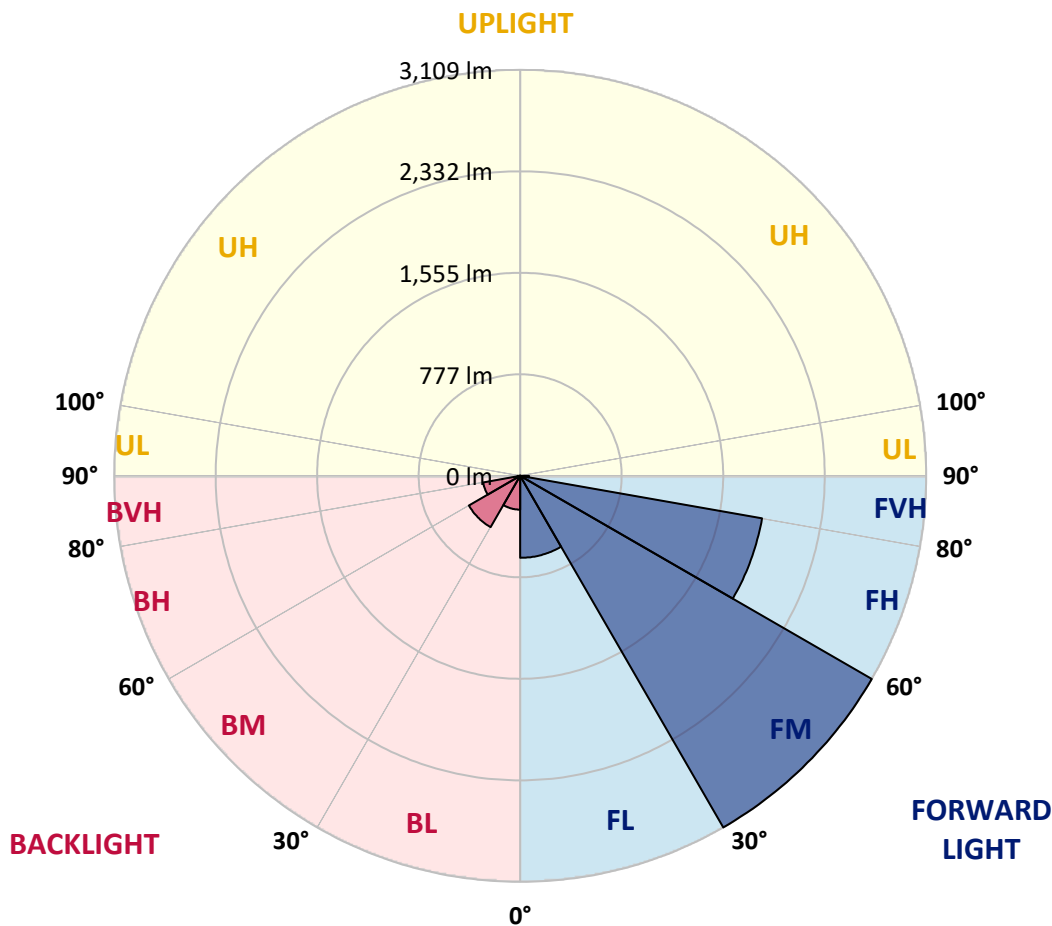


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	627.9	9.4			
FM (30°-60°)	3109.3	46.4			
FH (60°-80°)	1880.6	28.0			G2/5000
FVH (80°-90°)	67.2	1.0			G1/100
BL (0°-30°)	258.9	3.9	B1/500		
BM (30°-60°)	453.6	6.8	B1/1000		
BH (60°-80°)	287.9	4.3	B1/500		G1/500
BVH (80°-90°)	19.6	0.3			G1/100
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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	800.8	800.8	800.8	800.8	800.8	800.8	800.8	800.8	800.8	800.8	800.8
2.5°	1003.3	1009.2	1004.7	995.8	979.4	945.2	922.9	897.6	855.9	855.9	824.6
5°	1141.7	1141.7	1134.2	1125.3	1110.4	1074.7	1040.5	988.4	927.3	921.4	852.9
7.5°	1205.7	1205.7	1205.7	1204.2	1198.2	1170.0	1131.3	1067.3	995.8	989.9	881.2
10°	1260.8	1256.3	1257.8	1260.8	1254.8	1251.8	1219.1	1158.1	1074.7	1065.8	934.8
12.5°	1317.3	1308.4	1311.4	1317.3	1321.8	1311.4	1287.6	1238.4	1146.1	1140.2	980.9
15°	1356.0	1356.0	1360.5	1372.4	1378.4	1379.8	1362.0	1324.8	1228.0	1213.1	1037.5
17.5°	1384.3	1382.8	1391.8	1412.6	1434.9	1443.8	1449.8	1408.1	1295.0	1289.0	1091.1
20°	1418.5	1418.5	1430.5	1460.2	1488.5	1513.8	1530.2	1512.3	1402.2	1381.3	1161.0
22.5°	1516.8	1516.8	1515.3	1531.7	1560.0	1579.3	1606.1	1604.6	1495.9	1470.6	1226.5
25°	1753.5	1763.9	1717.7	1664.1	1662.7	1670.1	1676.1	1722.2	1601.6	1582.3	1296.5
27.5°	2094.3	2104.7	2034.8	1949.9	1832.3	1777.3	1753.5	1832.3	1707.3	1689.5	1362.0
30°	2414.4	2395.0	2357.8	2265.5	2100.3	1947.0	1854.7	1941.0	1830.9	1793.6	1415.6
32.5°	2631.7	2618.3	2585.5	2499.2	2363.7	2179.2	1982.7	2043.7	1972.3	1938.0	1500.4
35°	2752.2	2747.8	2713.5	2671.9	2597.4	2447.1	2162.8	2168.8	2139.0	2109.2	1597.2
37.5°	2853.5	2843.0	2807.3	2767.1	2738.8	2661.4	2401.0	2286.3	2331.0	2274.4	1699.9
40°	2921.9	2913.0	2886.2	2844.5	2840.1	2831.1	2648.0	2441.1	2517.1	2462.0	1819.0
42.5°	2954.7	2945.8	2939.8	2901.1	2910.0	2950.2	2883.2	2624.2	2712.1	2648.0	1952.9
45°	2972.5	2965.1	2960.6	2930.9	2939.8	3023.2	3072.3	2834.1	2907.0	2849.0	2091.3
47.5°	2935.3	2927.9	2954.7	2942.8	2965.1	3070.8	3192.8	3052.9	3109.5	3035.1	2250.6
50°	2756.7	2780.5	2856.4	2902.6	2950.2	3090.1	3307.5	3276.2	3355.1	3264.3	2429.2
52.5°	2270.0	2310.2	2572.1	2765.6	2902.6	3091.6	3383.4	3496.5	3617.1	3554.5	2609.3
55°	1798.1	1844.3	2064.6	2444.1	2765.6	3063.3	3417.6	3636.4	3864.2	3774.8	2796.9
57.5°	1525.7	1552.5	1638.8	1988.6	2475.4	2978.5	3487.6	3743.6	4105.3	4044.3	2988.9
60°	1286.1	1290.5	1381.3	1601.6	2055.6	2773.1	3529.2	3825.5	4382.2	4301.8	3201.8
62.5°	977.9	1012.2	1104.5	1278.6	1643.3	2429.2	3544.1	3908.8	4688.8	4624.8	3450.4
65°	611.8	634.1	741.3	967.5	1298.0	1975.2	3374.4	3992.2	4980.5	4931.4	3698.9
67.5°	329.0	346.8	424.2	590.9	931.8	1543.6	2966.6	3966.9	5264.8	5226.1	3926.7
70°	227.7	229.2	247.1	331.9	565.6	1126.8	2411.4	3755.5	5428.6	5369.0	4016.0
72.5°	189.0	192.0	200.9	220.3	303.7	693.6	1747.5	3347.6	5321.4	5239.5	3826.9
75°	160.8	162.2	171.2	181.6	205.4	366.2	1111.9	2759.7	4770.7	4688.8	3227.1
77.5°	132.5	135.5	142.9	156.3	171.2	209.9	579.0	2146.4	3684.0	3584.3	2124.1
80°	93.8	95.3	104.2	119.1	139.9	147.4	223.3	1286.1	1917.2	1760.9	809.7
82.5°	55.1	58.1	70.0	81.9	102.7	87.8	104.2	488.2	538.8	483.8	168.2
85°	13.4	16.4	23.8	32.7	41.7	29.8	46.1	95.3	111.6	102.7	31.3
87.5°	1.5	1.5	1.5	1.5	3.0	4.5	7.4	7.4	7.4	6.0	4.5
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°	800.8	800.8	800.8	800.8	800.8	800.8	800.8	800.8	800.8	800.8	800.8
2.5°	803.8	788.9	757.6	729.4	708.5	690.7	683.2	666.9	663.9	657.9	659.4
5°	811.2	778.5	723.4	683.2	662.4	646.0	637.1	635.6	637.1	635.6	637.1
7.5°	829.1	781.5	711.5	666.9	652.0	644.5	641.5	641.5	646.0	644.5	643.0
10°	854.4	793.4	707.0	665.4	656.4	653.5	650.5	652.0	653.5	656.4	646.0
12.5°	890.1	808.3	704.1	666.9	656.4	652.0	647.5	647.5	650.5	644.5	647.5
15°	918.4	827.6	707.0	662.4	650.5	643.0	635.6	632.6	629.6	628.1	626.7
17.5°	958.6	848.4	704.1	657.9	638.6	623.7	608.8	602.8	599.9	596.9	595.4
20°	1004.7	861.8	699.6	646.0	617.7	595.4	579.0	567.1	556.7	555.2	550.7
22.5°	1043.4	884.2	687.7	626.7	590.9	562.7	538.8	526.9	513.5	506.1	501.6
25°	1100.0	908.0	669.8	598.4	555.2	528.4	495.7	480.8	465.9	455.5	455.5
27.5°	1137.2	915.4	650.5	567.1	519.5	477.8	448.0	428.7	415.3	407.9	407.9
30°	1189.3	933.3	619.2	535.9	477.8	440.6	403.4	385.5	373.6	361.7	357.2
32.5°	1242.9	945.2	592.4	497.2	437.6	393.0	364.7	354.3	334.9	320.0	317.1
35°	1314.3	963.1	558.2	458.5	394.5	360.2	348.3	324.5	297.7	282.8	279.8
37.5°	1400.7	982.4	519.5	415.3	358.7	339.4	333.4	294.7	273.9	267.9	267.9
40°	1498.9	997.3	477.8	375.1	321.5	327.5	312.6	276.9	263.5	260.5	259.0
42.5°	1603.1	1010.7	439.1	333.4	299.2	309.6	291.7	270.9	259.0	256.0	253.0
45°	1716.2	1013.7	400.4	302.2	279.8	284.3	276.9	263.5	253.0	251.6	250.1
47.5°	1839.8	1016.6	358.7	273.9	267.9	260.5	265.0	253.0	247.1	245.6	244.1
50°	1991.6	1009.2	320.0	256.0	259.0	245.6	251.6	244.1	242.6	239.6	236.7
52.5°	2125.6	985.4	290.3	247.1	253.0	242.6	241.1	238.2	238.2	232.2	229.2
55°	2253.6	952.6	270.9	242.6	245.6	238.2	236.7	233.7	232.2	224.8	223.3
57.5°	2374.2	905.0	259.0	244.1	242.6	235.2	235.2	230.7	223.3	220.3	217.3
60°	2536.4	864.8	254.5	247.1	239.6	233.7	233.7	226.3	218.8	214.3	212.9
62.5°	2688.2	821.7	253.0	253.0	241.1	232.2	230.7	223.3	212.9	211.4	208.4
65°	2843.0	768.1	251.6	260.5	244.1	232.2	227.7	217.3	205.4	205.4	202.4
67.5°	2875.8	701.1	241.1	262.0	247.1	230.7	221.8	208.4	195.0	198.0	192.0
70°	2767.1	586.5	218.8	251.6	254.5	230.7	211.4	195.0	178.6	192.0	180.1
72.5°	2439.7	462.9	183.1	220.3	248.6	230.7	199.5	177.1	156.3	154.8	144.4
75°	1926.1	311.1	141.4	172.7	226.3	230.7	181.6	154.8	132.5	120.6	120.6
77.5°	1165.5	205.4	108.7	122.1	181.6	212.9	159.3	120.6	99.7	92.3	89.3
80°	384.0	114.6	80.4	84.8	113.1	154.8	135.5	95.3	72.9	64.0	56.6
82.5°	104.2	61.0	52.1	47.6	56.6	114.6	107.2	62.5	44.7	37.2	28.3
85°	25.3	25.3	23.8	20.8	17.9	34.2	41.7	14.9	8.9	4.5	4.5
87.5°	4.5	4.5	4.5	4.5	3.0	1.5	1.5	0.0	1.5	1.5	1.5
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)