

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: P511161

Luminaire Tested: **PRV-P-PA1B-730-U-T2U**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511161  
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-PA1B-730-U-T2U  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

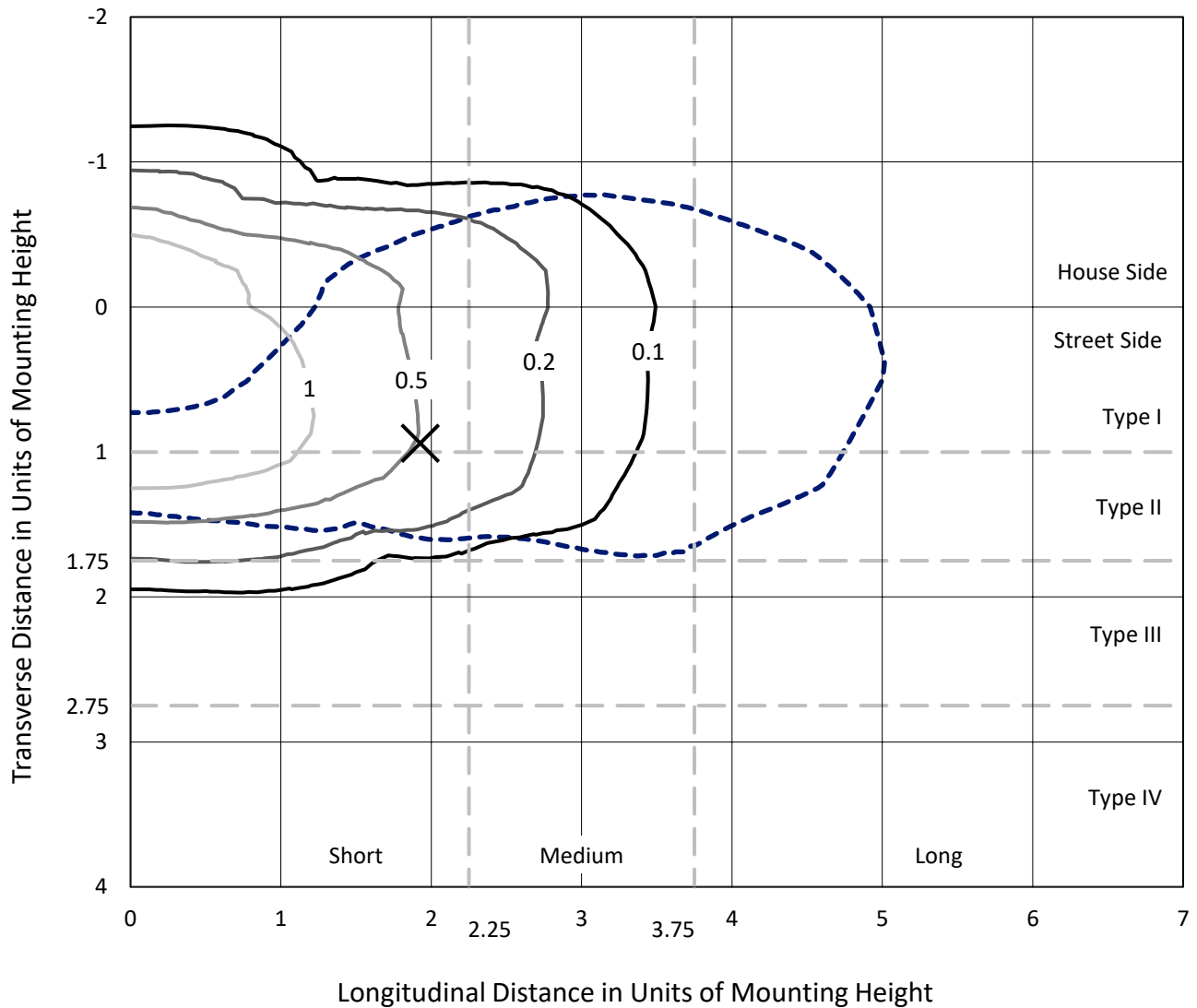
Lumens per Lamp: N/A  
Luminaire Lumens: 6691 lumens  
Efficiency: N/A  
Efficacy: 126.7 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 52.8  
Input Voltage (V): NR  
Input Current (Ain): 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

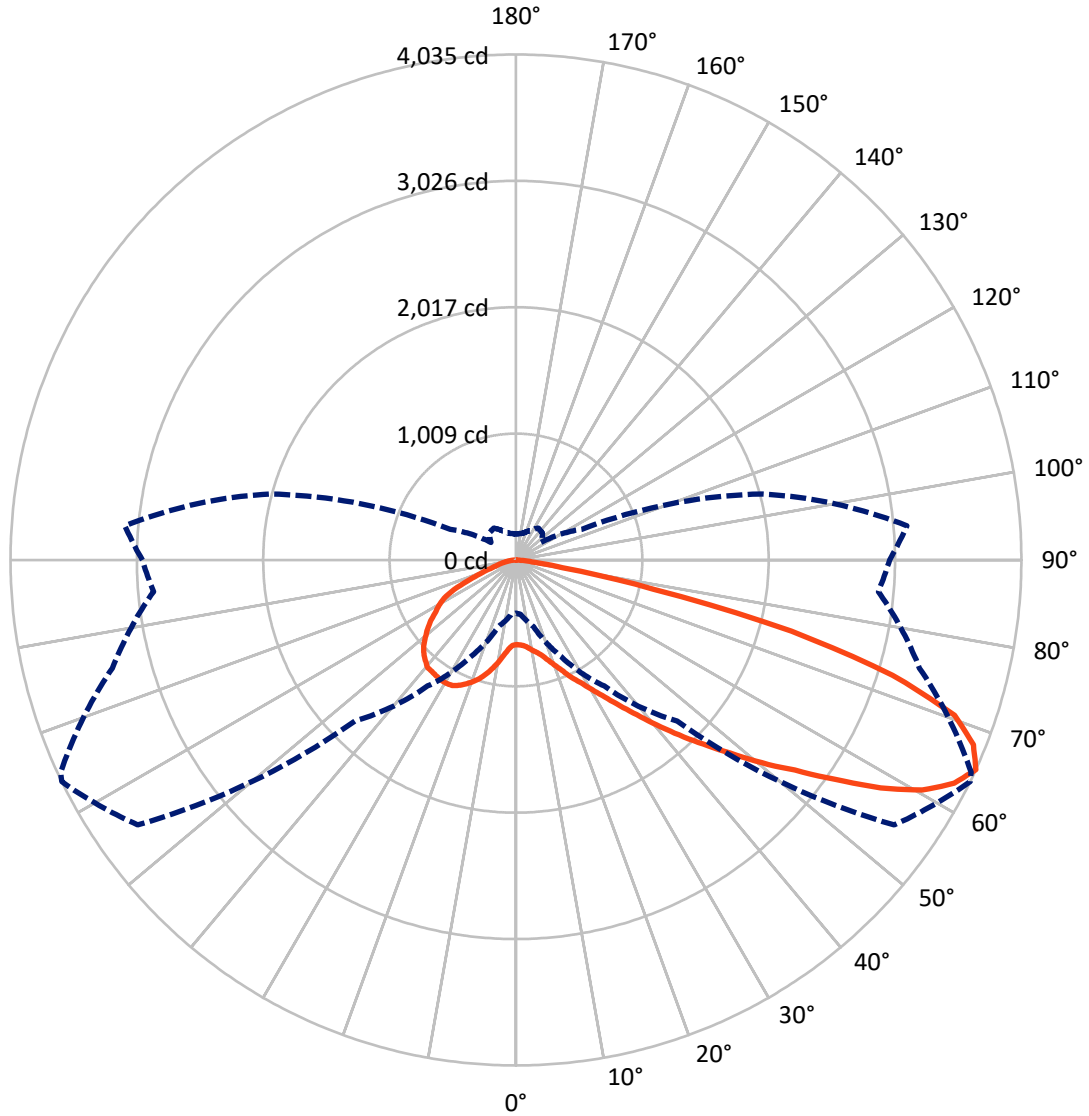
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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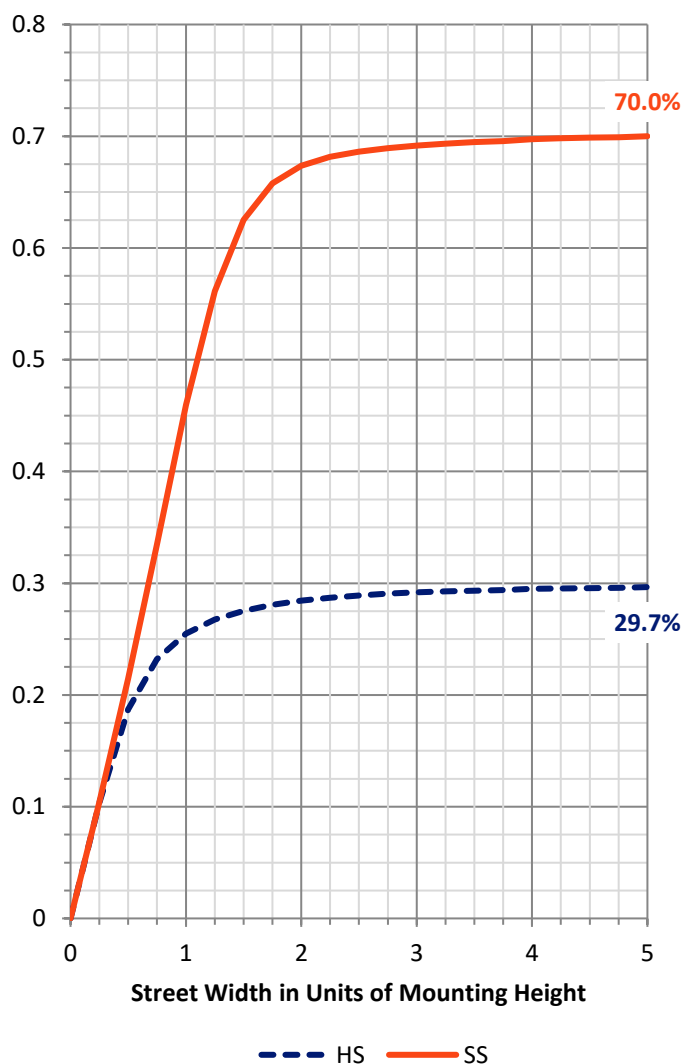
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1999.4	0.0	1999.4
	% Fixture	29.9	0.0	29.9
<b>Street Side</b>	Lumens	4691.6	0.0	4691.6
	% Fixture	70.1	0.0	70.1
<b>Total</b>	Lumens	6691.0	0.0	6691.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.6	1.0
10°-20°	242.2	3.6
20°-30°	468.8	7.0
30°-40°	749.5	11.2
40°-50°	1201.4	18.0
50°-60°	1574.0	23.5
60°-70°	1430.1	21.4
70°-80°	854.1	12.8
80°-90°	101.3	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°	6691.0	100.0
0°-180°	6691.0	100.0

**Coefficient of Utilization**



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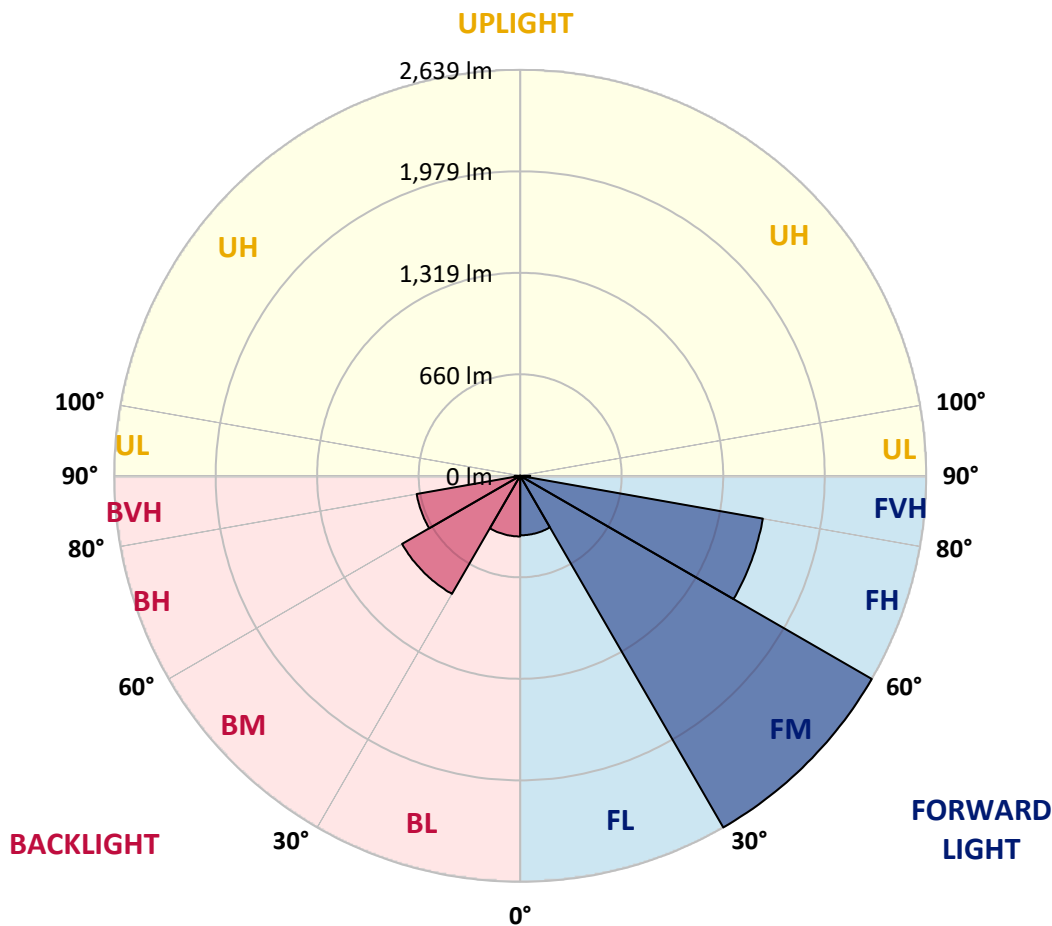
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	386.5	5.8			
FM (30°-60°)	2638.7	39.4			
FH (60°-80°)	1601.5	23.9			G1/1800
FVH (80°-90°)	64.9	1.0			G1/100
BL (0°-30°)	394.1	5.9	B1/500		
BM (30°-60°)	886.3	13.2	B1/1000		
BH (60°-80°)	682.7	10.2	B2/1000		G2/1000
BVH (80°-90°)	36.4	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°	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7
2.5°	677.2	675.7	680.2	680.2	680.2	678.7	677.2	678.7	678.7	677.2	678.7
5°	674.2	674.2	678.7	684.6	684.6	689.1	686.1	687.6	689.1	690.6	690.6
7.5°	654.9	659.3	663.8	672.7	681.7	693.6	701.0	707.0	708.5	714.4	718.9
10°	665.3	663.8	671.2	677.2	686.1	705.5	717.4	733.8	730.8	747.2	754.6
12.5°	684.6	684.6	690.6	701.0	712.9	730.8	739.7	759.1	760.5	775.4	790.3
15°	708.5	708.5	718.9	730.8	748.6	772.5	784.4	793.3	800.7	812.6	827.5
17.5°	751.6	757.6	759.1	771.0	785.8	815.6	835.0	842.4	842.4	852.8	866.2
20°	833.5	845.4	835.0	833.5	836.5	867.7	887.1	900.5	899.0	901.9	903.4
22.5°	945.1	952.5	942.1	930.2	912.4	931.7	949.6	964.5	955.5	955.5	942.1
25°	1091.0	1082.0	1073.1	1038.9	1006.1	998.7	1024.0	1041.8	1037.4	1015.1	985.3
27.5°	1242.8	1230.9	1210.0	1172.8	1119.2	1091.0	1096.9	1111.8	1117.8	1080.5	1032.9
30°	1388.6	1391.6	1366.3	1314.2	1245.8	1198.1	1190.7	1201.1	1198.1	1149.0	1080.5
32.5°	1595.5	1576.2	1555.3	1483.9	1382.7	1326.1	1302.3	1303.8	1303.8	1230.9	1135.6
35°	1827.7	1830.7	1769.7	1669.9	1546.4	1467.5	1430.3	1427.3	1419.9	1338.0	1214.5
37.5°	2159.6	2138.8	2064.3	1927.4	1751.8	1640.2	1576.2	1567.2	1559.8	1460.1	1314.2
40°	2448.3	2451.3	2373.9	2234.0	2009.3	1824.7	1747.3	1731.0	1728.0	1594.0	1428.8
42.5°	2641.8	2631.4	2628.4	2546.6	2326.3	2126.9	1957.2	1909.6	1887.2	1754.8	1565.7
45°	2732.6	2737.1	2750.5	2765.4	2662.7	2472.2	2225.1	2097.1	2077.7	1918.5	1714.6
47.5°	2786.2	2796.6	2838.3	2882.9	2929.1	2860.6	2501.9	2304.0	2287.6	2089.6	1867.9
50°	2753.5	2746.0	2845.7	2970.8	3118.1	3252.0	2820.4	2545.1	2524.2	2298.0	2039.0
52.5°	2409.6	2445.4	2665.6	2945.4	3237.2	3497.6	3183.6	2787.7	2769.8	2494.5	2192.3
55°	1946.8	1973.6	2204.2	2647.8	3247.6	3653.9	3464.9	3091.3	3067.5	2690.9	2368.0
57.5°	1476.4	1546.4	1803.9	2155.1	2939.5	3680.7	3682.2	3432.1	3351.8	2885.9	2525.7
60°	991.2	1019.5	1336.5	1675.9	2360.5	3438.1	3792.3	3728.3	3664.3	3074.9	2671.6
62.5°	671.2	677.2	867.7	1266.6	1745.8	2865.1	3798.3	3926.3	3860.8	3228.2	2790.7
65°	424.2	436.1	552.2	848.4	1227.9	1818.8	3686.6	4034.9	4009.6	3335.4	2903.8
67.5°	323.0	325.9	376.6	513.5	858.8	1093.9	3188.0	3938.2	3945.6	3414.3	2957.4
70°	275.3	279.8	321.5	355.7	590.9	587.9	2043.5	3714.9	3741.7	3442.6	2987.1
72.5°	218.8	226.2	272.4	327.4	433.1	400.4	873.7	3144.9	3225.3	3348.8	2964.8
75°	160.7	165.2	205.4	266.4	339.3	308.1	346.8	2271.2	2482.6	2938.0	2820.4
77.5°	114.6	122.0	153.3	198.0	308.1	223.3	215.8	1119.2	1345.5	2232.5	2424.5
80°	80.4	78.9	102.7	134.0	192.0	166.7	128.0	378.0	485.2	1278.5	1577.7
82.5°	40.2	41.7	59.5	83.3	108.6	132.5	71.4	150.3	174.1	525.4	589.4
85°	17.9	17.9	25.3	29.8	49.1	49.1	34.2	55.1	61.0	144.4	53.6
87.5°	0.0	1.5	1.5	3.0	3.0	4.5	6.0	7.4	8.9	8.9	7.4
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°	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7	675.7
2.5°	680.2	680.2	680.2	680.2	684.6	687.6	692.1	695.1	693.6	695.1	695.1
5°	693.6	695.1	701.0	708.5	718.9	727.8	742.7	745.7	753.1	750.1	757.6
7.5°	721.9	729.3	739.7	757.6	776.9	793.3	806.7	815.6	821.6	826.0	821.6
10°	763.5	772.5	793.3	818.6	842.4	864.7	873.7	882.6	881.1	876.6	875.2
12.5°	800.7	812.6	845.4	876.6	907.9	925.8	918.3	907.9	899.0	893.0	891.5
15°	839.4	855.8	891.5	936.2	961.5	960.0	939.2	922.8	921.3	918.3	915.3
17.5°	878.1	899.0	945.1	986.8	1003.1	976.4	955.5	948.1	951.1	948.1	946.6
20°	913.8	933.2	986.8	1031.4	1024.0	988.3	974.9	968.9	961.5	957.0	954.0
22.5°	948.1	968.9	1029.9	1070.1	1044.8	998.7	982.3	961.5	954.0	945.1	942.1
25°	980.8	1004.6	1065.7	1105.8	1044.8	994.2	960.0	933.2	916.8	907.9	907.9
27.5°	1028.5	1044.8	1101.4	1134.1	1032.9	968.9	907.9	870.7	845.4	843.9	843.9
30°	1064.2	1073.1	1131.1	1144.5	1006.1	910.9	833.5	778.4	751.6	744.2	742.7
32.5°	1111.8	1108.8	1156.4	1147.5	971.9	837.9	735.2	672.7	638.5	628.1	622.1
35°	1171.3	1166.9	1208.5	1144.5	924.3	751.6	626.6	555.2	531.3	513.5	515.0
37.5°	1268.1	1238.3	1288.9	1143.1	860.3	638.5	512.0	468.8	437.6	419.7	421.2
40°	1369.3	1326.1	1379.7	1146.0	785.8	526.9	434.6	403.3	373.6	346.8	349.8
42.5°	1492.8	1440.7	1476.4	1122.2	698.0	439.1	387.0	364.6	339.3	320.0	323.0
45°	1631.2	1556.8	1567.2	1098.4	598.3	391.4	372.1	355.7	333.4	308.1	309.6
47.5°	1783.0	1698.2	1635.7	1061.2	519.4	381.0	385.5	360.2	311.1	279.8	279.8
50°	1934.9	1850.0	1692.3	1003.1	468.8	406.3	384.0	323.0	284.3	264.9	261.9
52.5°	2091.1	2036.1	1725.0	945.1	453.9	404.8	352.7	305.1	272.4	250.0	247.1
55°	2265.3	2237.0	1774.1	881.1	410.8	389.9	337.9	291.7	256.0	238.1	233.7
57.5°	2429.0	2467.7	1820.3	812.6	351.3	355.7	321.5	281.3	250.0	236.6	233.7
60°	2616.5	2701.4	1881.3	757.6	303.6	330.4	315.5	287.3	256.0	239.6	236.6
62.5°	2780.2	2923.1	1958.7	689.1	270.9	315.5	318.5	279.8	245.6	230.7	226.2
65°	2982.7	3133.0	2034.6	579.0	242.6	300.6	309.6	257.5	220.3	209.9	205.4
67.5°	3127.0	3262.5	2074.8	421.2	215.8	270.9	282.8	229.2	190.5	184.6	181.6
70°	3210.4	3231.2	2053.9	293.2	187.5	229.2	251.5	200.9	168.2	163.7	159.3
72.5°	3149.4	3019.9	1905.1	203.9	162.2	196.5	218.8	180.1	141.4	135.4	132.5
75°	2899.3	2618.0	1530.0	150.3	141.4	166.7	184.6	151.8	113.1	102.7	101.2
77.5°	2356.1	1997.4	988.3	119.1	117.6	135.4	147.3	119.1	86.3	81.9	77.4
80°	1431.8	1220.4	419.7	89.3	89.3	98.2	108.6	93.8	65.5	56.6	55.1
82.5°	537.3	418.2	138.4	58.0	56.6	70.0	84.8	64.0	37.2	31.3	28.3
85°	40.2	49.1	50.6	28.3	25.3	28.3	34.2	17.9	10.4	7.4	7.4
87.5°	6.0	6.0	6.0	4.5	3.0	1.5	1.5	1.5	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)