

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: P511163

Luminaire Tested: **PRV-P-PA1B-730-U-T3**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511163
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-5)
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-T3
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6612 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

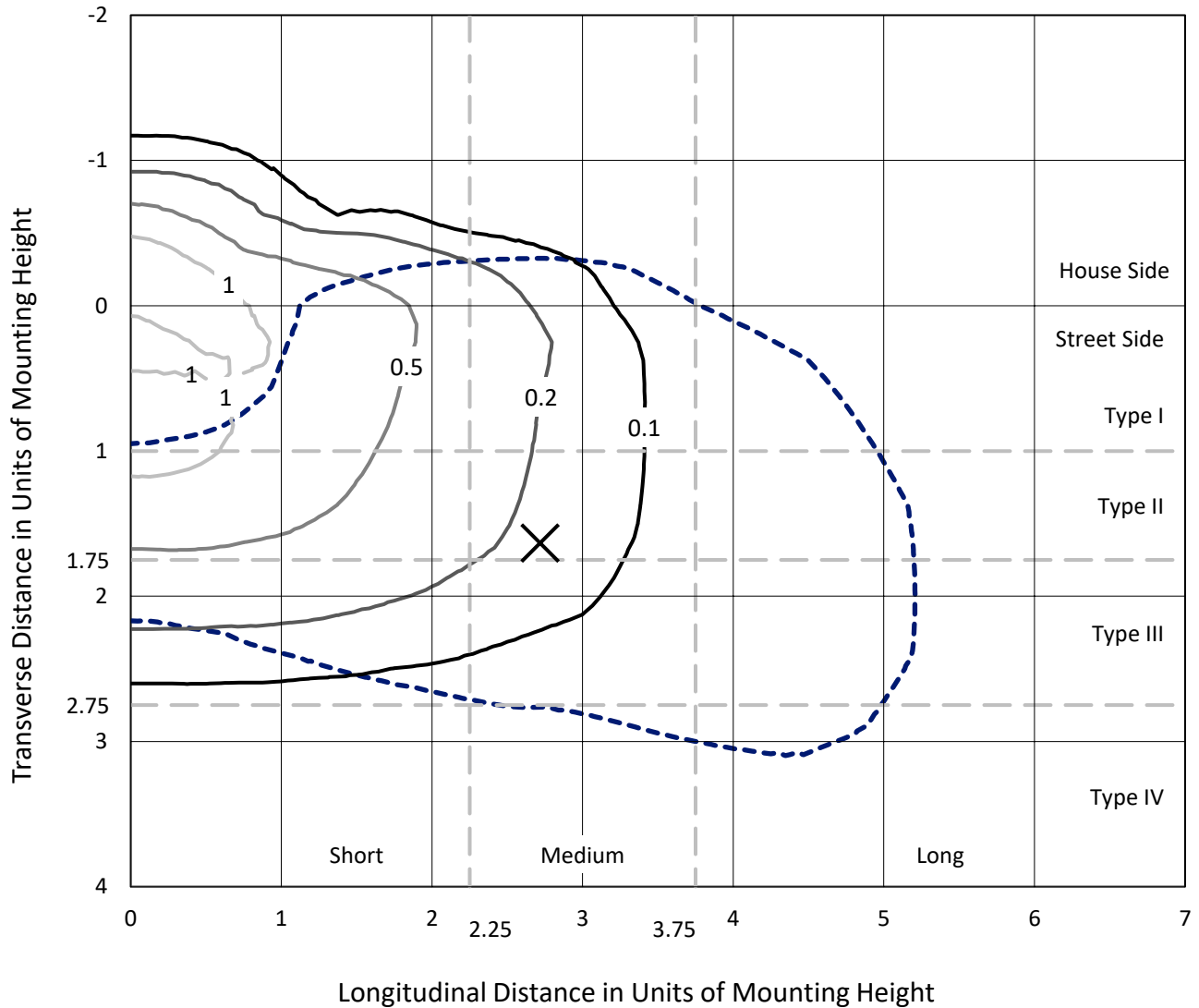
Input Watts (W): 52.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

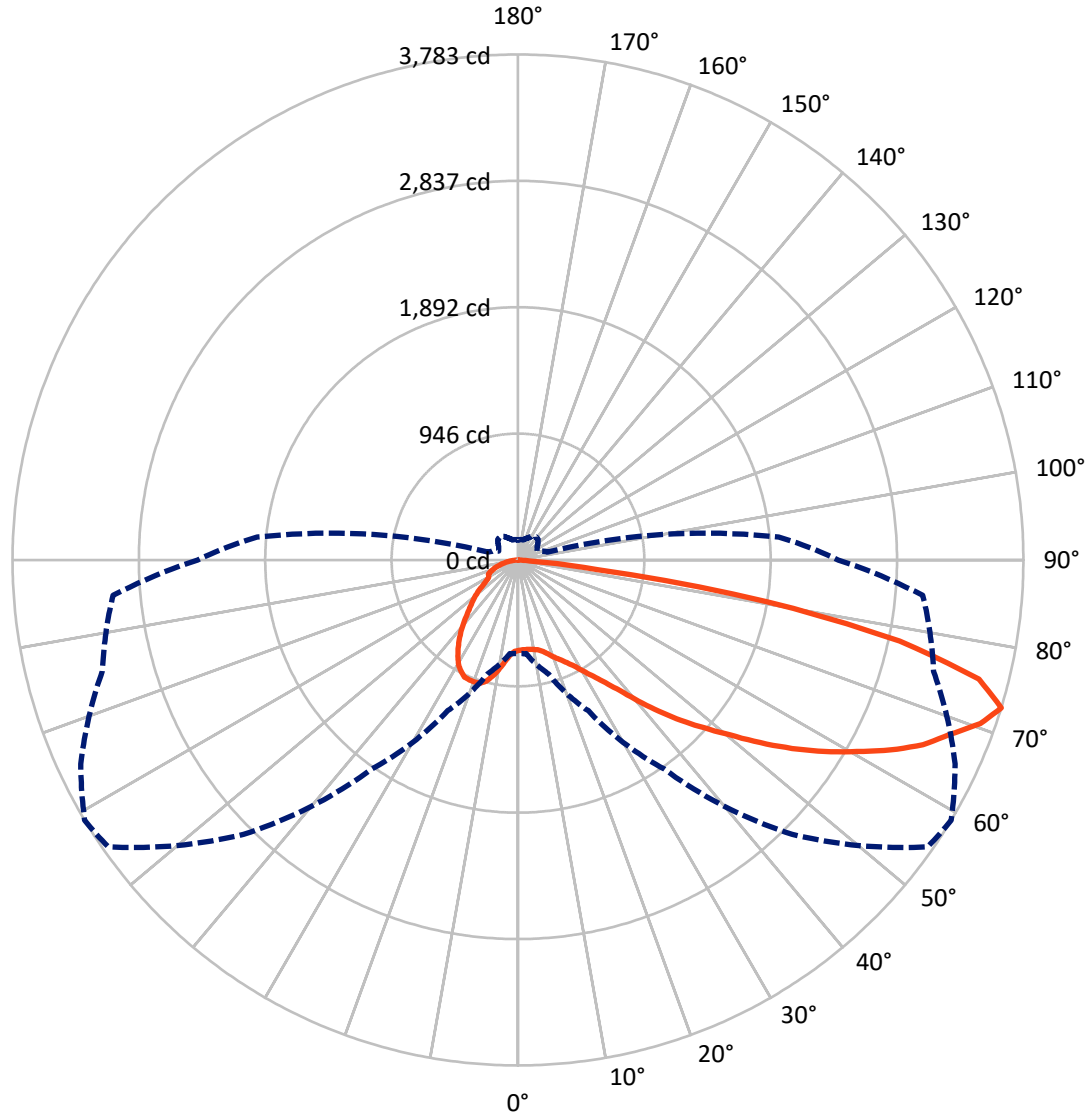
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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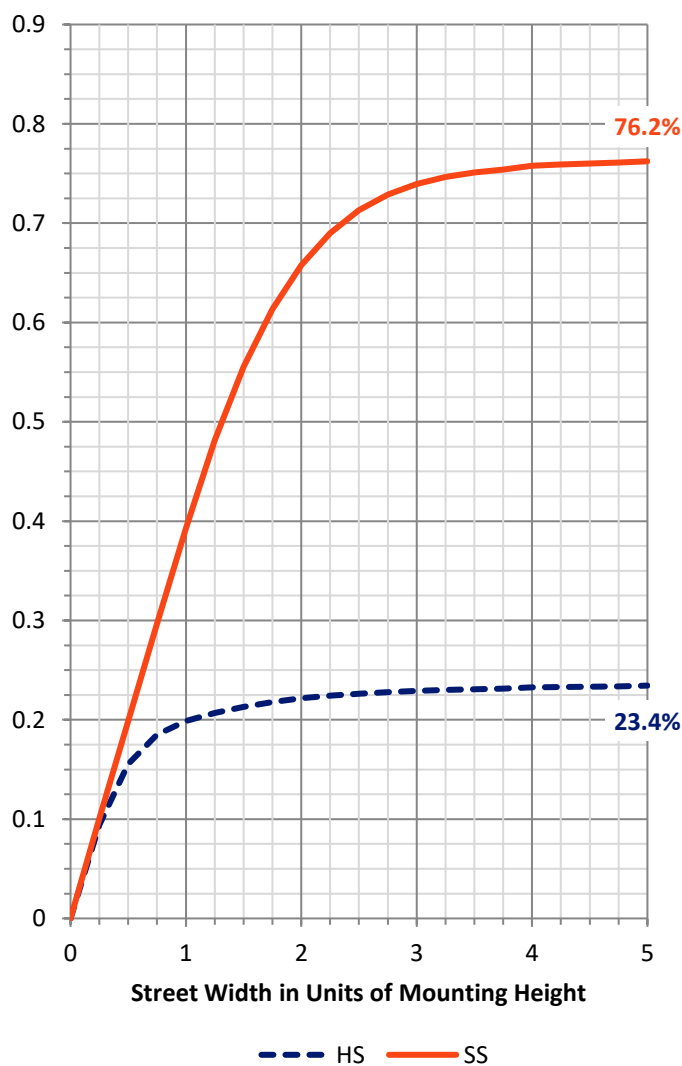
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1564.2	0.0	1564.2
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	5047.8	0.0	5047.8
	% Fixture	76.3	0.0	76.3
Total	Lumens	6612.0	0.0	6612.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.7	1.0
10°-20°	223.1	3.4
20°-30°	412.0	6.2
30°-40°	626.9	9.5
40°-50°	944.8	14.3
50°-60°	1403.7	21.2
60°-70°	1670.6	25.3
70°-80°	1130.7	17.1
80°-90°	132.6	2.0
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°	6612.0	100.0
0°-180°	6612.0	100.0

Coefficient of Utilization



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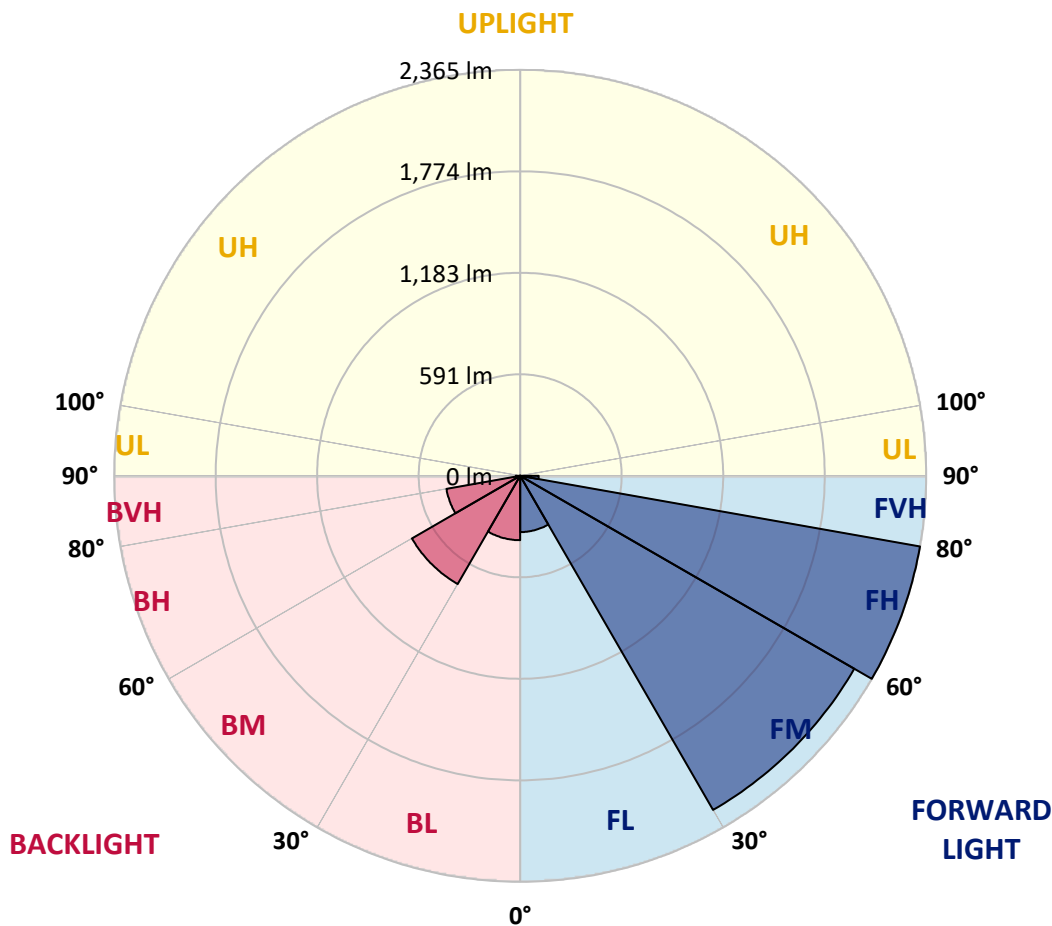
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	327.7	5.0			
FM (30°-60°)	2247.2	34.0			
FH (60°-80°)	2365.1	35.8			G2/5000
FVH (80°-90°)	107.8	1.6			G2/225
BL (0°-30°)	375.1	5.7	B1/500		
BM (30°-60°)	728.1	11.0	B1/1000		
BH (60°-80°)	436.1	6.6	B1/500		G1/500
BVH (80°-90°)	24.8	0.4			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1
2.5°	669.7	672.7	671.2	671.2	672.7	672.7	675.6	672.7	677.1	675.6	674.2
5°	642.9	641.4	644.4	648.9	654.8	665.2	671.2	672.7	675.6	680.1	680.1
7.5°	592.3	593.8	599.7	610.2	626.5	650.3	674.2	675.6	684.6	695.0	700.9
10°	580.4	581.9	584.9	599.7	616.1	642.9	674.2	681.6	698.0	714.3	729.2
12.5°	574.4	577.4	580.4	598.3	622.1	648.9	681.6	690.5	714.3	741.1	763.4
15°	578.9	580.4	584.9	599.7	625.0	660.8	696.5	711.4	735.2	769.4	797.7
17.5°	596.8	596.8	593.8	607.2	629.5	674.2	720.3	741.1	766.4	802.1	837.9
20°	639.9	639.9	634.0	626.5	641.4	686.1	750.1	776.8	806.6	843.8	878.0
22.5°	729.2	727.7	709.9	683.1	677.1	708.4	781.3	811.1	851.2	889.9	919.7
25°	860.2	860.2	828.9	784.3	753.0	750.1	814.0	851.2	901.8	939.1	958.4
27.5°	1010.5	1004.5	962.9	912.3	852.7	820.0	864.6	898.9	956.9	994.1	998.6
30°	1128.1	1134.0	1095.3	1025.4	955.4	912.3	928.6	965.8	1028.3	1056.6	1046.2
32.5°	1272.4	1257.5	1224.8	1159.3	1078.9	1017.9	1015.0	1037.3	1090.8	1125.1	1096.8
35°	1369.1	1364.7	1342.4	1284.3	1199.5	1135.5	1102.8	1128.1	1178.7	1195.0	1160.8
37.5°	1470.3	1473.3	1458.4	1404.9	1333.4	1247.1	1223.3	1236.7	1288.8	1297.7	1253.1
40°	1608.7	1611.7	1602.8	1549.2	1461.4	1395.9	1375.1	1388.5	1436.1	1434.6	1367.7
42.5°	1782.9	1784.3	1788.8	1708.5	1614.7	1550.7	1537.3	1546.2	1599.8	1582.0	1510.5
45°	2007.6	1997.2	2001.6	1924.2	1811.1	1741.2	1718.9	1712.9	1750.1	1750.1	1672.7
47.5°	2178.7	2186.2	2196.6	2143.0	2046.3	1986.7	1900.4	1878.1	1912.3	1922.8	1843.9
50°	2329.0	2351.4	2345.4	2358.8	2279.9	2256.1	2104.3	2056.7	2099.8	2105.8	2031.4
52.5°	2425.8	2467.4	2474.9	2525.5	2546.3	2577.6	2312.7	2271.0	2288.8	2290.3	2229.3
55°	2424.3	2458.5	2543.3	2659.4	2768.0	2849.9	2537.4	2489.8	2488.3	2488.3	2446.6
57.5°	2381.1	2403.4	2561.2	2710.0	2918.4	3049.3	2766.6	2705.5	2680.2	2683.2	2678.8
60°	2262.1	2300.8	2519.5	2723.4	3034.4	3183.3	2952.6	2912.4	2890.1	2843.9	2954.1
62.5°	2150.4	2162.4	2364.7	2689.2	3053.8	3241.3	3168.4	3131.2	3105.9	3015.1	3175.8
65°	1916.8	1924.2	2116.2	2503.1	2982.3	3278.5	3352.9	3332.1	3278.5	3172.8	3358.9
67.5°	1587.9	1611.7	1772.4	2218.9	2791.9	3294.9	3498.8	3483.9	3416.9	3242.8	3440.7
70°	1172.7	1192.0	1390.0	1787.3	2463.0	3208.6	3686.3	3669.9	3533.0	3275.5	3345.5
72.5°	699.5	703.9	882.5	1244.1	1910.8	2903.5	3744.3	3783.0	3610.4	3220.5	3041.9
75°	285.7	267.9	348.2	598.3	1168.2	2147.5	3474.9	3564.2	3524.1	3018.1	2512.1
77.5°	133.9	132.4	177.1	308.1	494.1	1105.7	2800.8	2919.8	2986.8	2595.4	1906.4
80°	75.9	77.4	101.2	156.3	282.8	296.2	1669.8	1887.0	1918.3	1656.4	1096.8
82.5°	62.5	62.5	68.5	86.3	159.2	132.4	303.6	599.7	852.7	751.5	395.9
85°	23.8	25.3	29.8	35.7	74.4	50.6	65.5	90.8	151.8	211.3	35.7
87.5°	1.5	1.5	1.5	3.0	3.0	4.5	6.0	7.4	6.0	7.4	6.0
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°	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1	677.1
2.5°	678.6	680.1	681.6	683.1	686.1	690.5	693.5	693.5	696.5	700.9	702.4
5°	683.1	687.5	693.5	702.4	714.3	726.2	739.6	747.1	753.0	759.0	759.0
7.5°	703.9	709.9	726.2	744.1	767.9	787.3	799.2	814.0	821.5	827.4	827.4
10°	739.6	745.6	775.4	806.6	833.4	855.7	861.7	866.1	872.1	878.0	870.6
12.5°	772.4	793.2	827.4	861.7	897.4	904.8	895.9	872.1	860.2	858.7	852.7
15°	811.1	836.4	884.0	918.2	946.5	922.7	873.6	867.6	873.6	885.5	887.0
17.5°	855.7	875.1	930.1	971.8	958.4	904.8	903.3	903.3	906.3	907.8	903.3
20°	891.4	924.2	983.7	1007.5	943.5	924.2	913.8	901.8	897.4	897.4	895.9
22.5°	934.6	961.4	1025.4	1010.5	940.5	922.7	897.4	882.5	882.5	889.9	887.0
25°	971.8	1010.5	1067.0	998.6	939.1	897.4	869.1	863.2	866.1	878.0	875.1
27.5°	1009.0	1053.6	1090.8	983.7	904.8	852.7	834.9	833.4	818.5	821.5	818.5
30°	1059.6	1095.3	1092.3	977.7	851.2	808.1	790.2	747.1	724.8	736.7	736.7
32.5°	1101.3	1140.0	1080.4	931.6	793.2	764.9	696.5	653.3	645.9	653.3	662.2
35°	1165.3	1198.0	1073.0	869.1	733.7	683.1	599.7	571.5	564.0	568.5	573.0
37.5°	1256.0	1267.9	1101.3	790.2	680.1	578.9	519.4	498.5	479.2	461.3	467.3
40°	1370.6	1357.2	1134.0	730.7	607.2	492.6	459.9	434.6	398.8	372.0	370.6
42.5°	1497.1	1440.6	1137.0	680.1	523.8	434.6	404.8	373.5	336.3	306.6	303.6
45°	1644.5	1550.7	1113.2	635.5	443.5	394.4	361.6	324.4	288.7	264.9	266.4
47.5°	1818.6	1665.3	1080.4	584.9	394.4	357.2	320.0	287.2	258.9	239.6	241.1
50°	2006.1	1775.4	1043.2	525.3	354.2	320.0	287.2	260.4	238.1	224.7	223.2
52.5°	2208.5	1900.4	1026.9	450.9	318.5	293.2	264.9	245.6	224.7	205.4	200.9
55°	2428.7	2018.0	1037.3	363.1	284.2	269.4	253.0	229.2	229.2	223.2	218.8
57.5°	2628.2	2132.6	1077.5	306.6	257.5	260.4	250.0	275.3	282.8	273.8	269.4
60°	2812.7	2250.2	1076.0	264.9	244.1	282.8	315.5	306.6	263.4	245.6	239.6
62.5°	2939.2	2349.9	953.9	235.1	254.5	337.8	324.4	272.3	233.6	226.2	221.7
65°	3019.6	2394.5	715.8	218.8	263.4	318.5	290.2	242.6	215.8	217.3	215.8
67.5°	2983.8	2360.3	486.6	196.4	233.6	273.8	263.4	223.2	196.4	208.3	203.9
70°	2784.4	2233.8	320.0	178.6	206.9	245.6	242.6	202.4	178.6	183.0	177.1
72.5°	2397.5	1960.0	230.7	157.7	175.6	214.3	220.3	183.0	156.3	153.3	148.8
75°	1918.3	1512.0	169.7	136.9	145.8	180.1	193.5	160.7	136.9	129.5	126.5
77.5°	1379.6	979.2	129.5	113.1	117.6	147.3	168.2	133.9	110.1	101.2	98.2
80°	762.0	474.7	96.7	87.8	84.8	110.1	123.5	111.6	84.8	78.9	75.9
82.5°	266.4	141.4	67.0	56.6	53.6	77.4	89.3	81.9	58.0	49.1	50.6
85°	31.3	40.2	28.3	26.8	23.8	31.3	40.2	31.3	17.9	16.4	16.4
87.5°	4.5	4.5	4.5	3.0	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)