

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: P511172

Luminaire Tested: **PRV-P-PA1B-740-U-T3**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511172
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-740-U-T3
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7261 lumens
Efficiency: N/A
Efficacy: 137.5 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

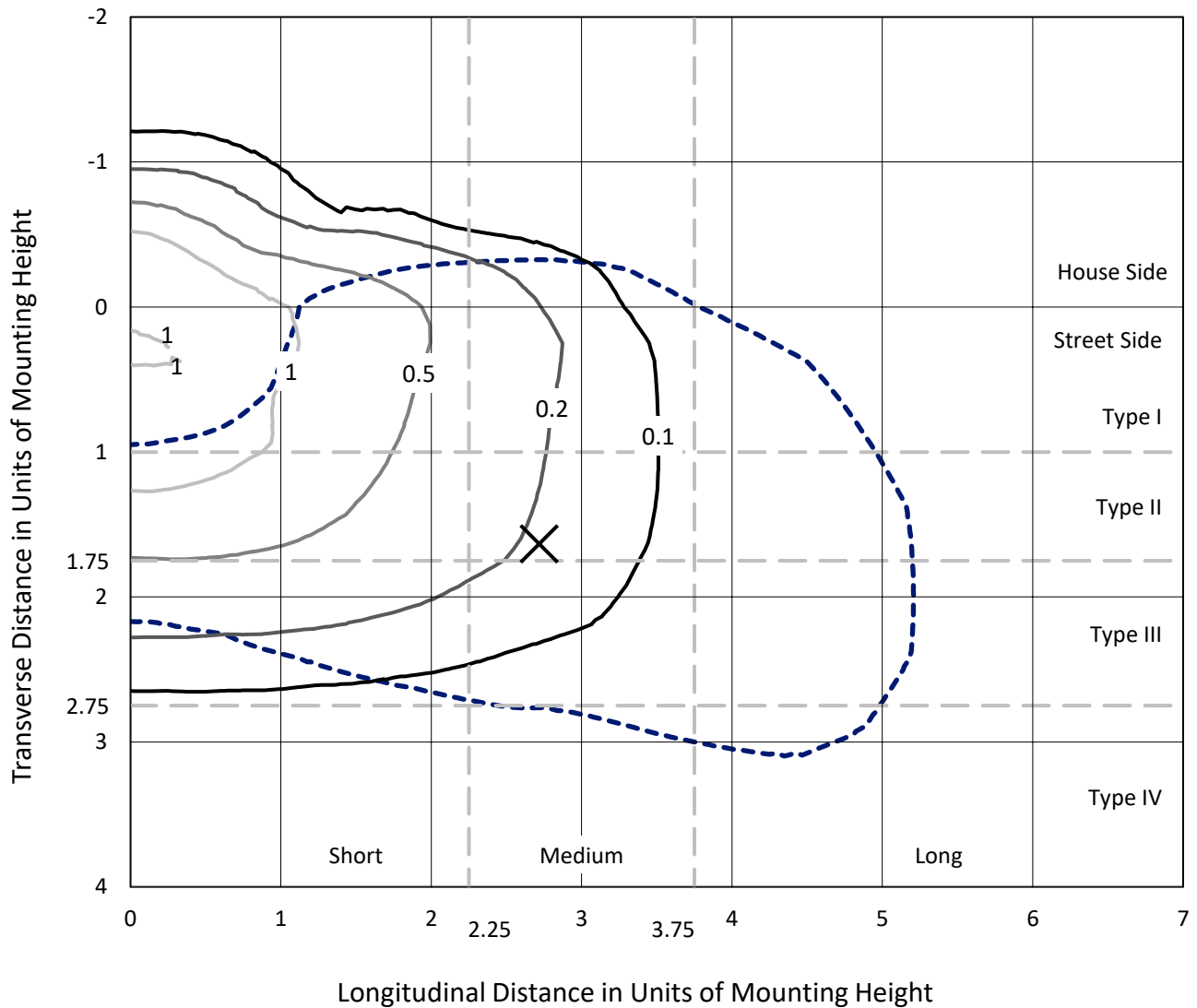
Input Watts (W): 52.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P511172
 CATALOG NUMBER: PRV-P-PA1B-740-U-T3

Iso-Footcandle Lines of Horizontal Illumination

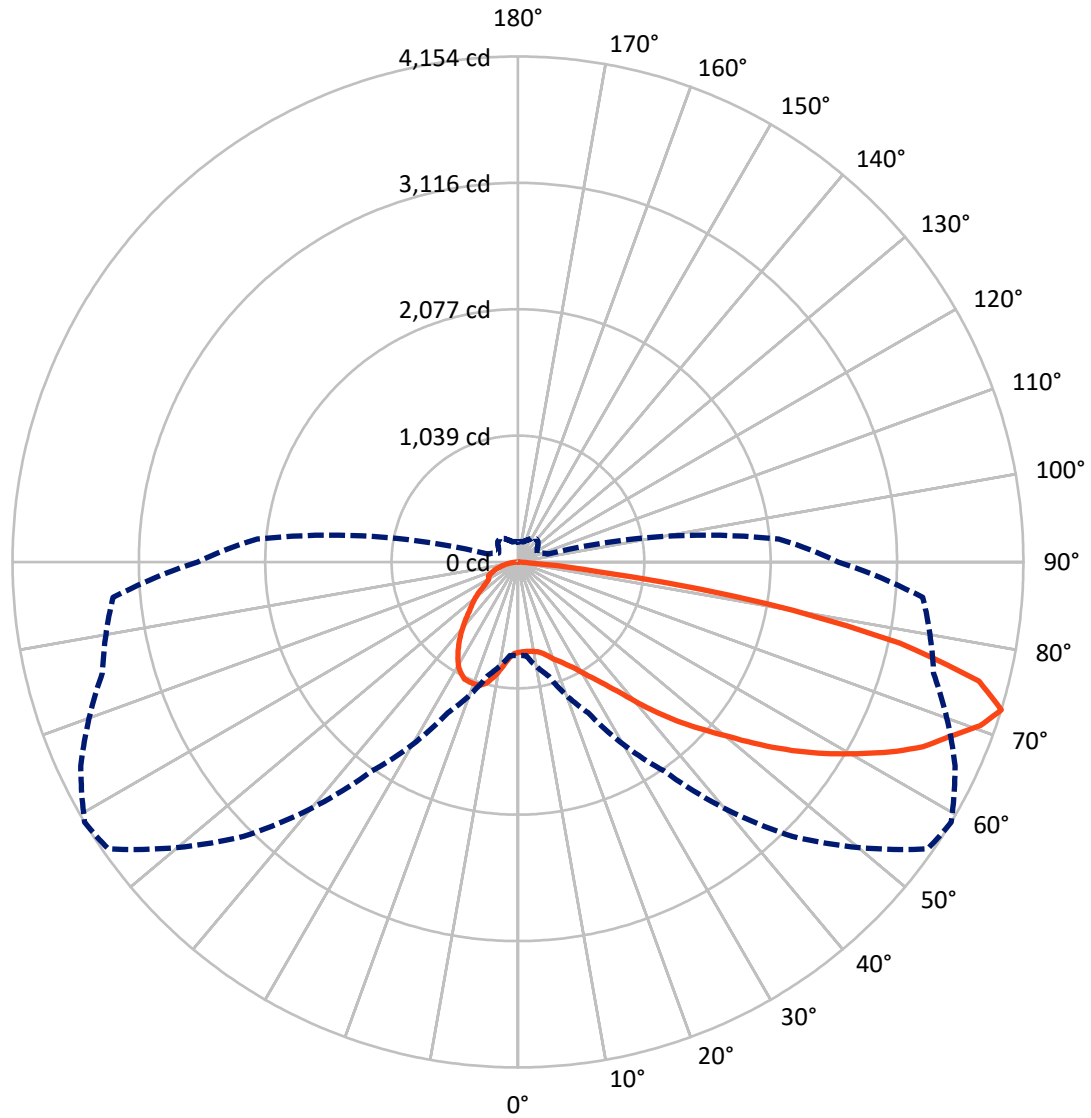
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Medium - N/A

REPORT NUMBER: P511172
CATALOG NUMBER: PRV-P-PA1B-740-U-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P511172

CATALOG NUMBER: PRV-P-PA1B-740-U-T3

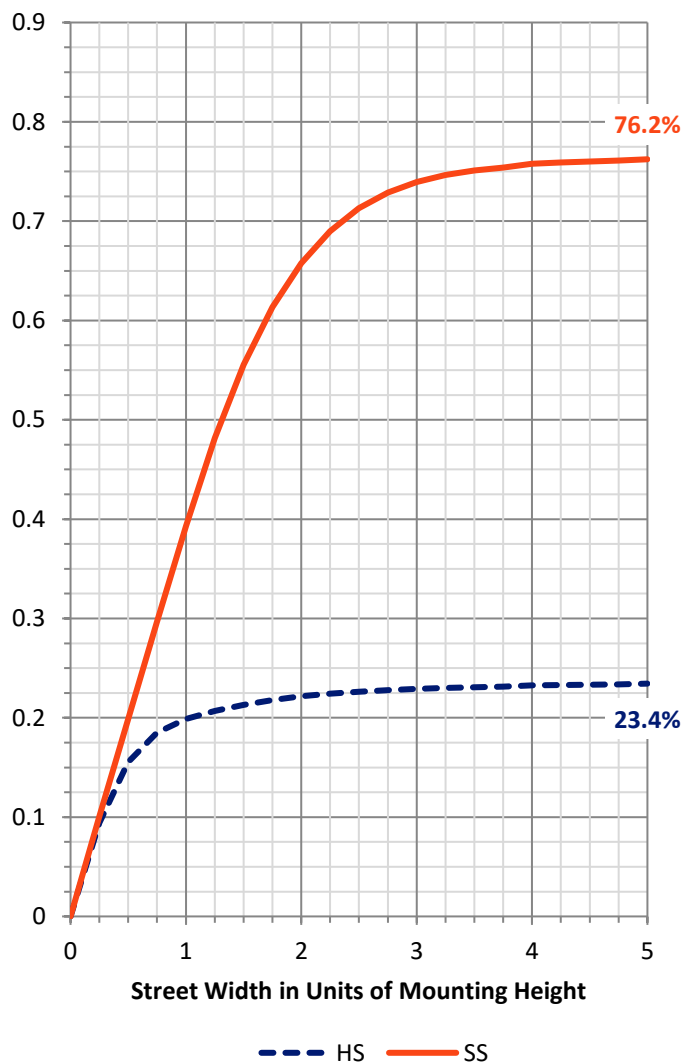
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1717.7	0.0	1717.7
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	5543.3	0.0	5543.3
	% Fixture	76.3	0.0	76.3
Total	Lumens	7261.0	0.0	7261.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.3	1.0
10°-20°	245.0	3.4
20°-30°	452.4	6.2
30°-40°	688.5	9.5
40°-50°	1037.5	14.3
50°-60°	1541.5	21.2
60°-70°	1834.5	25.3
70°-80°	1241.6	17.1
80°-90°	145.6	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°	7261.0	100.0
0°-180°	7261.0	100.0

Coefficient of Utilization



REPORT NUMBER: P511172

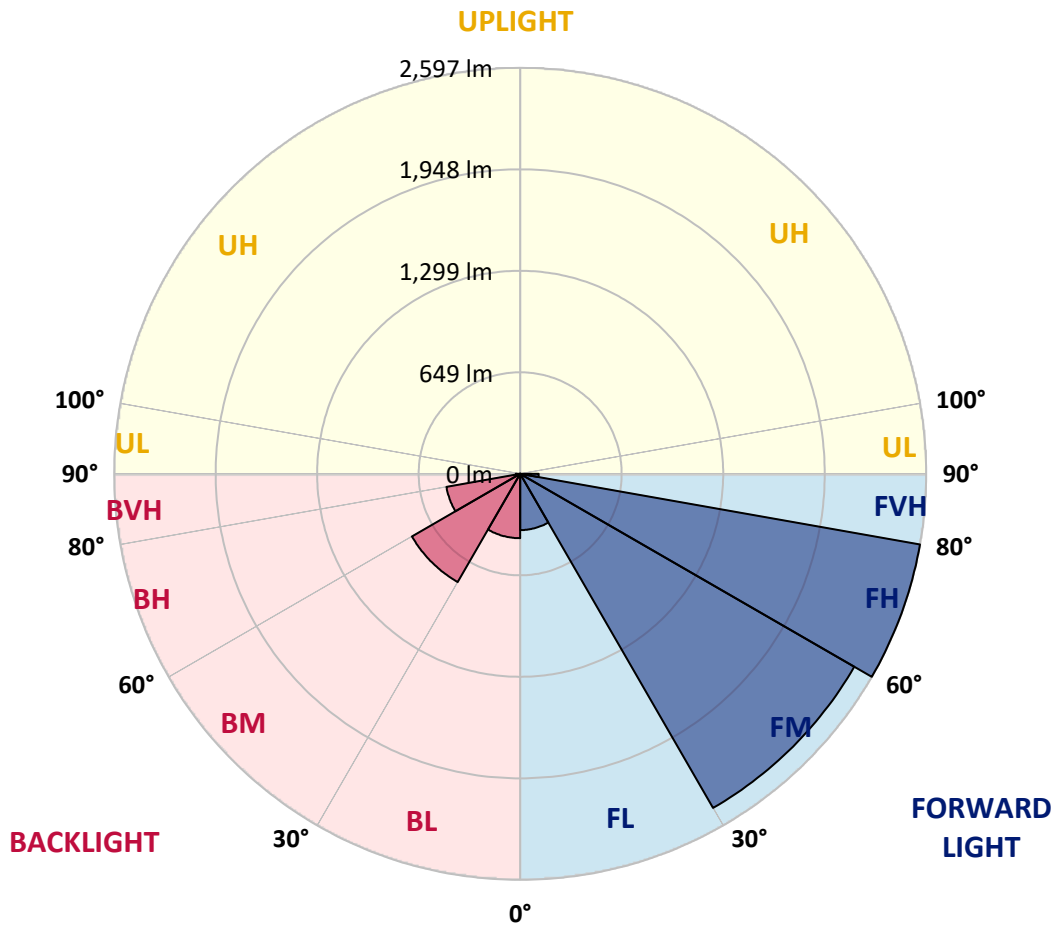
CATALOG NUMBER: PRV-P-PA1B-740-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	359.8	5.0			
FM (30°-60°)	2467.8	34.0			
FH (60°-80°)	2597.2	35.8			G2/5000
FVH (80°-90°)	118.4	1.6			G2/225
BL (0°-30°)	411.9	5.7	B1/500		
BM (30°-60°)	799.6	11.0	B1/1000		
BH (60°-80°)	478.9	6.6	B1/500		G1/500
BVH (80°-90°)	27.2	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





REPORT NUMBER: P511172
 CATALOG NUMBER: PRV-P-PA1B-740-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	743.6	743.6	743.6	743.6	743.6	743.6	743.6	743.6	743.6	743.6	743.6
2.5°	735.4	738.7	737.1	737.1	738.7	738.7	742.0	738.7	743.6	742.0	740.3
5°	706.0	704.4	707.6	712.5	719.1	730.5	737.1	738.7	742.0	746.9	746.9
7.5°	650.4	652.1	658.6	670.1	688.0	714.2	740.3	742.0	751.8	763.2	769.7
10°	637.4	639.0	642.3	658.6	676.6	706.0	740.3	748.5	766.5	784.5	800.8
12.5°	630.8	634.1	637.4	657.0	683.1	712.5	748.5	758.3	784.5	813.9	838.4
15°	635.7	637.4	642.3	658.6	686.4	725.6	764.8	781.2	807.3	844.9	876.0
17.5°	655.3	655.3	652.1	666.8	691.3	740.3	791.0	813.9	841.6	880.9	920.1
20°	702.7	702.7	696.2	688.0	704.4	753.4	823.7	853.1	885.8	926.6	964.2
22.5°	800.8	799.2	779.5	750.1	743.6	777.9	858.0	890.7	934.8	977.3	1010.0
25°	944.6	944.6	910.3	861.3	826.9	823.7	893.9	934.8	990.4	1031.2	1052.5
27.5°	1109.7	1103.1	1057.4	1001.8	936.4	900.5	949.5	987.1	1050.8	1091.7	1096.6
30°	1238.8	1245.3	1202.8	1126.0	1049.2	1001.8	1019.8	1060.6	1129.3	1160.3	1148.9
32.5°	1397.3	1381.0	1345.0	1273.1	1184.8	1117.8	1114.6	1139.1	1197.9	1235.5	1204.5
35°	1503.5	1498.6	1474.1	1410.4	1317.2	1246.9	1211.0	1238.8	1294.3	1312.3	1274.7
37.5°	1614.7	1617.9	1601.6	1542.8	1464.3	1369.5	1343.4	1358.1	1415.3	1425.1	1376.1
40°	1766.6	1769.9	1760.1	1701.3	1604.9	1532.9	1510.1	1524.8	1577.1	1575.4	1501.9
42.5°	1957.9	1959.5	1964.4	1876.1	1773.2	1702.9	1688.2	1698.0	1756.8	1737.2	1658.8
45°	2204.6	2193.2	2198.1	2113.1	1988.9	1912.1	1887.6	1881.0	1921.9	1921.9	1836.9
47.5°	2392.6	2400.7	2412.2	2353.4	2247.1	2181.8	2087.0	2062.5	2100.0	2111.5	2024.9
50°	2557.6	2582.1	2575.6	2590.3	2503.7	2477.6	2310.9	2258.6	2306.0	2312.5	2230.8
52.5°	2663.9	2709.6	2717.8	2773.4	2796.2	2830.6	2539.7	2493.9	2513.5	2515.1	2448.1
55°	2662.2	2699.8	2793.0	2920.4	3039.7	3129.6	2786.4	2734.1	2732.5	2732.5	2686.7
57.5°	2614.8	2639.3	2812.6	2976.0	3204.8	3348.6	3038.1	2971.1	2943.3	2946.6	2941.7
60°	2484.1	2526.6	2766.8	2990.7	3332.3	3495.7	3242.4	3198.3	3173.8	3123.1	3244.0
62.5°	2361.5	2374.6	2596.9	2953.1	3353.5	3559.4	3479.4	3438.5	3410.7	3311.0	3487.5
65°	2104.9	2113.1	2323.9	2748.8	3275.1	3600.3	3682.0	3659.1	3600.3	3484.3	3688.6
67.5°	1743.8	1769.9	1946.4	2436.7	3065.9	3618.3	3842.2	3825.8	3752.3	3561.1	3778.4
70°	1287.8	1309.1	1526.4	1962.8	2704.7	3523.5	4048.1	4030.1	3879.8	3597.0	3673.8
72.5°	768.1	773.0	969.1	1366.3	2098.4	3188.5	4111.8	4154.3	3964.7	3536.6	3340.5
75°	313.8	294.2	382.4	657.0	1282.9	2358.3	3816.0	3914.1	3870.0	3314.3	2758.7
77.5°	147.1	145.5	194.5	338.3	542.6	1214.3	3075.7	3206.4	3280.0	2850.2	2093.5
80°	83.3	85.0	111.1	171.6	310.5	325.2	1833.7	2072.3	2106.6	1818.9	1204.5
82.5°	68.6	68.6	75.2	94.8	174.9	145.5	333.4	658.6	936.4	825.3	434.7
85°	26.1	27.8	32.7	39.2	81.7	55.6	71.9	99.7	166.7	232.1	39.2
87.5°	1.6	1.6	1.6	3.3	3.3	4.9	6.5	8.2	6.5	8.2	6.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P511172
 CATALOG NUMBER: PRV-P-PA1B-740-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	743.6	743.6	743.6	743.6	743.6	743.6	743.6	743.6	743.6	743.6	743.6
2.5°	745.2	746.9	748.5	750.1	753.4	758.3	761.6	761.6	764.8	769.7	771.4
5°	750.1	755.0	761.6	771.4	784.5	797.5	812.2	820.4	826.9	833.5	833.5
7.5°	773.0	779.5	797.5	817.1	843.3	864.5	877.6	893.9	902.1	908.7	908.7
10°	812.2	818.8	851.5	885.8	915.2	939.7	946.2	951.1	957.7	964.2	956.0
12.5°	848.2	871.1	908.7	946.2	985.5	993.6	983.8	957.7	944.6	943.0	936.4
15°	890.7	918.5	970.8	1008.3	1039.4	1013.2	959.3	952.8	959.3	972.4	974.0
17.5°	939.7	961.0	1021.4	1067.2	1052.5	993.6	992.0	992.0	995.3	996.9	992.0
20°	978.9	1014.9	1080.3	1106.4	1036.1	1014.9	1003.4	990.4	985.5	985.5	983.8
22.5°	1026.3	1055.7	1126.0	1109.7	1032.9	1013.2	985.5	969.1	969.1	977.3	974.0
25°	1067.2	1109.7	1171.8	1096.6	1031.2	985.5	954.4	947.9	951.1	964.2	961.0
27.5°	1108.0	1157.1	1197.9	1080.3	993.6	936.4	916.8	915.2	898.8	902.1	898.8
30°	1163.6	1202.8	1199.6	1073.7	934.8	887.4	867.8	820.4	795.9	809.0	809.0
32.5°	1209.4	1251.9	1186.5	1023.1	871.1	840.0	764.8	717.4	709.3	717.4	727.3
35°	1279.6	1315.6	1178.3	954.4	805.7	750.1	658.6	627.6	619.4	624.3	629.2
37.5°	1379.3	1392.4	1209.4	867.8	746.9	635.7	570.4	547.5	526.2	506.6	513.2
40°	1505.2	1490.5	1245.3	802.4	666.8	540.9	505.0	477.2	438.0	408.6	406.9
42.5°	1644.1	1582.0	1248.6	746.9	575.3	477.2	444.5	410.2	369.3	336.7	333.4
45°	1805.9	1702.9	1222.4	697.8	487.0	433.1	397.1	356.3	317.0	290.9	292.5
47.5°	1997.1	1828.8	1186.5	642.3	433.1	392.2	351.4	315.4	284.4	263.1	264.8
50°	2203.0	1949.7	1145.6	576.9	389.0	351.4	315.4	286.0	261.5	246.8	245.1
52.5°	2425.3	2087.0	1127.6	495.2	349.7	322.0	290.9	269.7	246.8	225.5	220.6
55°	2667.1	2216.1	1139.1	398.8	312.1	295.8	277.8	251.7	251.7	245.1	240.2
57.5°	2886.1	2341.9	1183.2	336.7	282.7	286.0	274.6	302.3	310.5	300.7	295.8
60°	3088.8	2471.0	1181.6	290.9	268.0	310.5	346.5	336.7	289.3	269.7	263.1
62.5°	3227.7	2580.5	1047.6	258.2	279.5	371.0	356.3	299.1	256.6	248.4	243.5
65°	3315.9	2629.5	786.1	240.2	289.3	349.7	318.7	266.4	237.0	238.6	237.0
67.5°	3276.7	2592.0	534.4	215.7	256.6	300.7	289.3	245.1	215.7	228.8	223.9
70°	3057.7	2453.0	351.4	196.1	227.2	269.7	266.4	222.3	196.1	201.0	194.5
72.5°	2632.8	2152.3	253.3	173.2	192.8	235.3	241.9	201.0	171.6	168.3	163.4
75°	2106.6	1660.4	186.3	150.4	160.2	197.7	212.5	176.5	150.4	142.2	138.9
77.5°	1515.0	1075.4	142.2	124.2	129.1	161.8	184.7	147.1	120.9	111.1	107.9
80°	836.7	521.3	106.2	96.4	93.2	120.9	135.6	122.6	93.2	86.6	83.3
82.5°	292.5	155.3	73.5	62.1	58.8	85.0	98.1	89.9	63.7	53.9	55.6
85°	34.3	44.1	31.1	29.4	26.1	34.3	44.1	34.3	19.6	18.0	18.0
87.5°	4.9	4.9	4.9	3.3	3.3	1.6	1.6	1.6	1.6	1.6	1.6
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)