

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: P511246

Luminaire Tested: **PRV-P-PA1C-740-U-T4W**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-7)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-PA1C-740-U-T4W
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9164 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

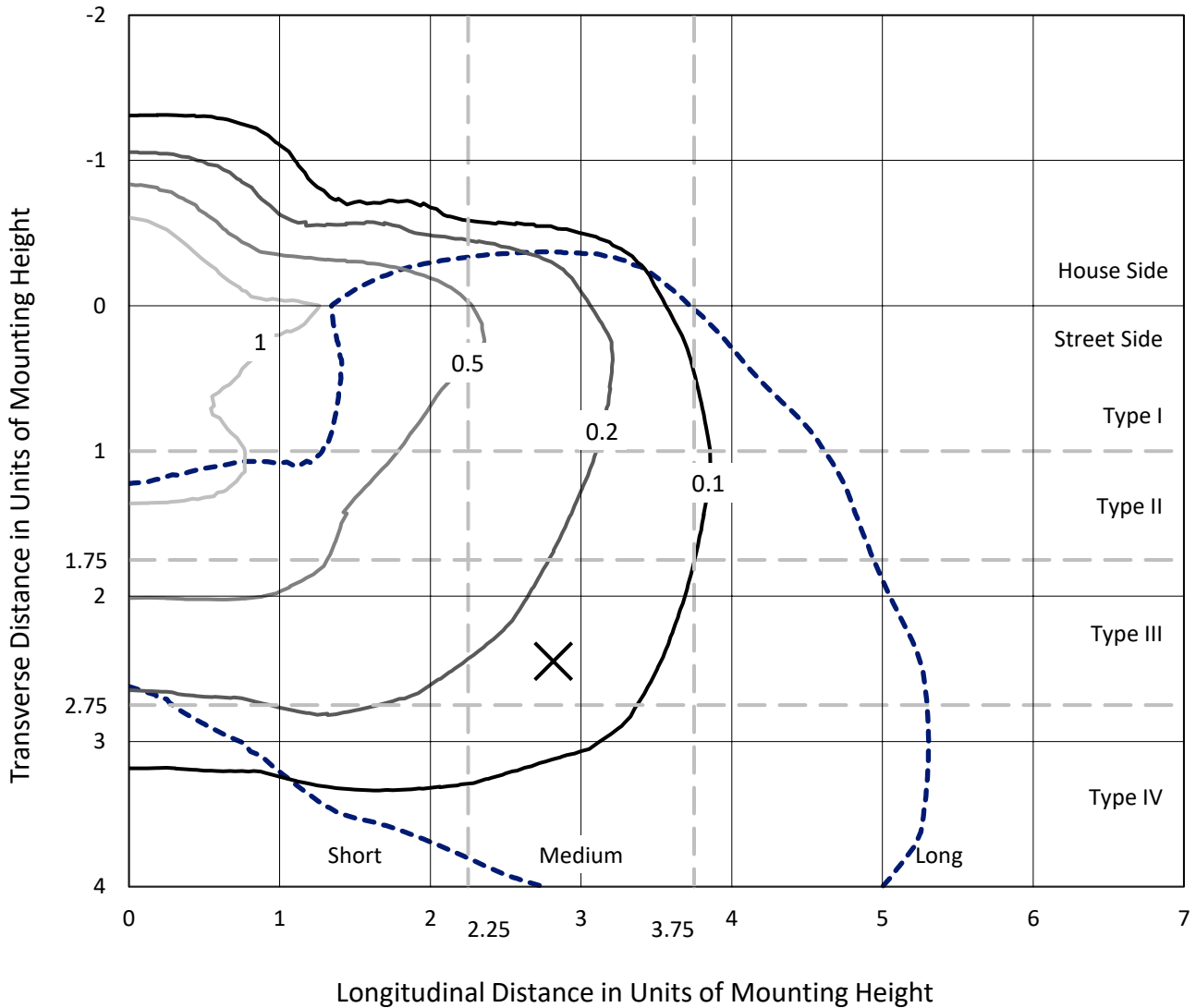
Input Watts (W): 72.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

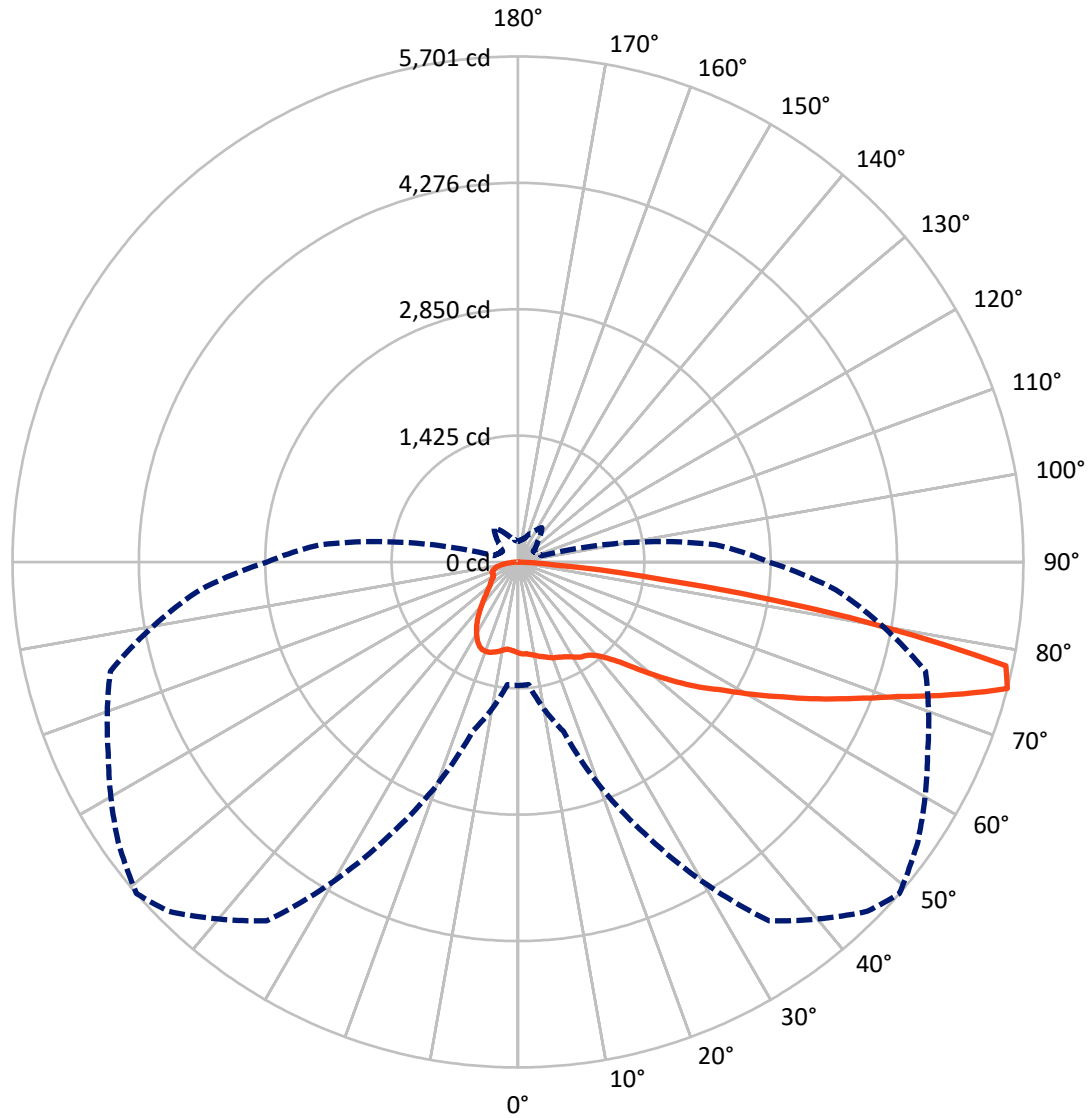
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 49-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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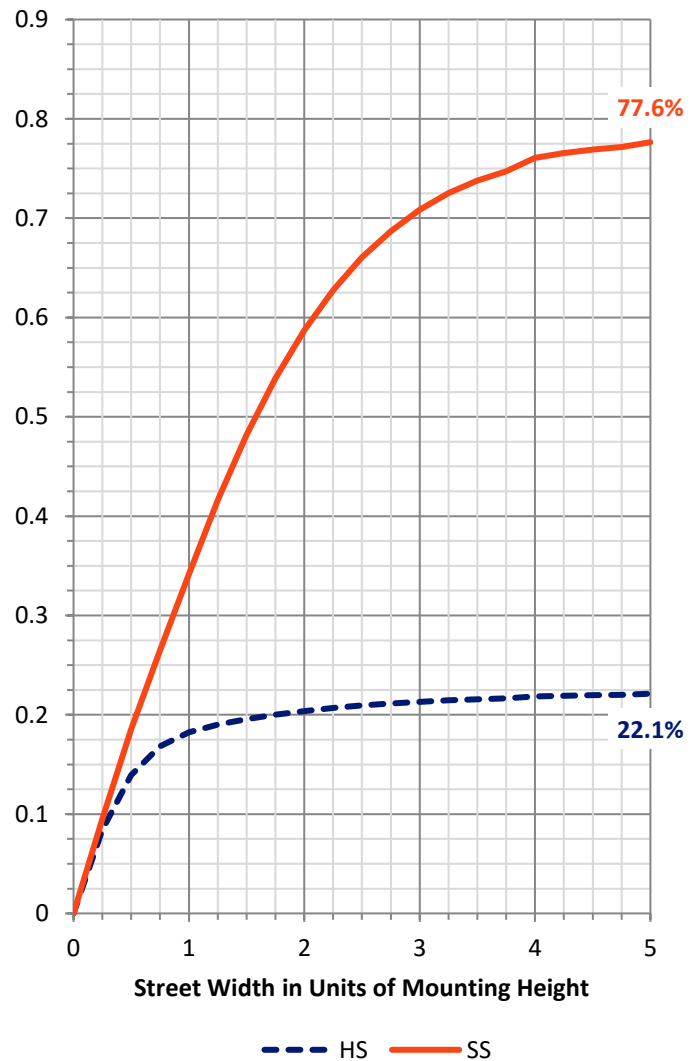
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2052.4	0.0	2052.4
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	7111.6	0.0	7111.6
	% Fixture	77.6	0.0	77.6
Total	Lumens	9164.0	0.0	9164.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.7	1.1
10°-20°	309.2	3.4
20°-30°	520.5	5.7
30°-40°	705.4	7.7
40°-50°	1035.2	11.3
50°-60°	1649.5	18.0
60°-70°	2402.5	26.2
70°-80°	2173.7	23.7
80°-90°	269.3	2.9
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°	9164.0	100.0
0°-180°	9164.0	100.0



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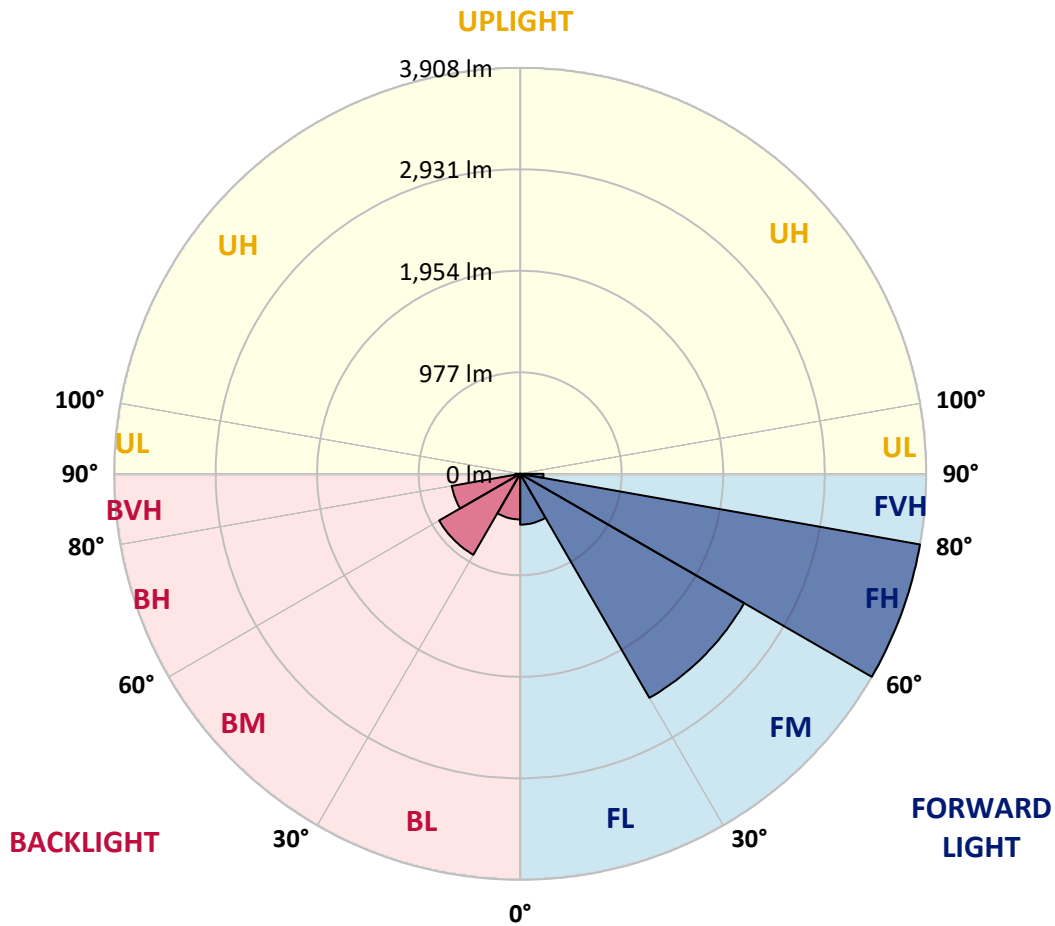
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	489.1	5.3			
FM (30°-60°)	2490.1	27.2			
FH (60°-80°)	3908.4	42.6			G2/5000
FVH (80°-90°)	224.0	2.4			G2/225
BL (0°-30°)	439.3	4.8	B1/500		
BM (30°-60°)	900.0	9.8	B1/1000		
BH (60°-80°)	667.9	7.3	B2/1000		G2/1000
BVH (80°-90°)	45.3	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	49°	55°	65°	75°	85°
0°	1026.3	1026.3	1026.3	1026.3	1026.3	1026.3	1026.3	1026.3	1026.3	1026.3	1026.3
2.5°	1057.9	1053.7	1049.5	1049.5	1043.2	1041.1	1039.0	1036.9	1024.2	1026.3	1017.9
5°	1091.7	1085.3	1081.1	1076.9	1064.3	1045.3	1039.0	1036.9	1015.8	1003.2	996.8
7.5°	1140.1	1142.2	1119.1	1106.4	1093.8	1062.2	1055.8	1039.0	1015.8	998.9	988.4
10°	1190.7	1184.4	1165.4	1142.2	1117.0	1081.1	1070.6	1055.8	1036.9	1013.7	1001.0
12.5°	1226.5	1220.2	1197.0	1167.5	1131.7	1100.1	1093.8	1083.2	1053.7	1028.4	1015.8
15°	1247.6	1253.9	1226.5	1184.4	1144.4	1121.2	1108.5	1102.2	1076.9	1049.5	1026.3
17.5°	1270.8	1268.7	1251.8	1201.3	1165.4	1138.0	1131.7	1121.2	1089.6	1064.3	1041.1
20°	1281.3	1289.8	1275.0	1218.1	1176.0	1150.7	1152.8	1144.4	1114.8	1083.2	1057.9
22.5°	1287.7	1291.9	1285.6	1228.7	1188.6	1169.6	1167.5	1161.2	1131.7	1104.3	1074.8
25°	1285.6	1287.7	1298.2	1230.8	1201.3	1186.5	1186.5	1178.1	1154.9	1129.6	1100.1
27.5°	1287.7	1283.4	1298.2	1237.1	1218.1	1211.8	1209.7	1207.6	1194.9	1159.1	1127.5
30°	1279.2	1291.9	1296.1	1245.5	1243.4	1241.3	1243.4	1245.5	1230.8	1192.8	1159.1
32.5°	1281.3	1277.1	1298.2	1256.1	1258.2	1275.0	1281.3	1277.1	1253.9	1222.3	1190.7
35°	1317.2	1327.7	1331.9	1275.0	1272.9	1283.4	1298.2	1294.0	1287.7	1264.5	1245.5
37.5°	1504.7	1513.2	1490.0	1353.0	1315.1	1313.0	1331.9	1336.1	1340.3	1329.8	1325.6
40°	1797.7	1787.1	1782.9	1521.6	1388.8	1374.1	1390.9	1412.0	1418.3	1424.6	1435.2
42.5°	2115.9	2128.5	2130.6	1759.7	1561.6	1473.1	1481.5	1508.9	1544.8	1553.2	1599.6
45°	2402.5	2425.7	2472.1	2075.9	1797.7	1637.5	1608.0	1631.2	1692.3	1745.0	1820.9
47.5°	2604.8	2619.6	2693.3	2406.7	2094.8	1812.4	1791.3	1791.3	1877.8	1949.4	2078.0
50°	2807.1	2798.7	2828.2	2746.0	2505.8	2073.7	2012.6	1995.8	2109.6	2210.7	2356.1
52.5°	2961.0	2975.7	3022.1	3055.8	2857.7	2358.3	2248.7	2204.4	2349.8	2472.1	2674.4
55°	3070.6	3076.9	3182.3	3315.0	3194.9	2611.2	2491.0	2459.4	2632.2	2771.3	3039.0
57.5°	3218.1	3264.5	3384.6	3627.0	3605.9	2849.3	2725.0	2750.2	2923.1	3074.8	3449.9
60°	3490.0	3475.2	3614.3	3941.0	3825.1	3106.4	3026.3	3041.1	3216.0	3426.7	3955.7
62.5°	3608.0	3614.3	3808.2	4339.3	4128.5	3382.5	3353.0	3386.7	3553.2	3761.8	4594.3
65°	3441.5	3487.9	3919.9	4394.1	4429.9	3740.8	3719.7	3772.4	3890.4	4164.4	5123.3
67.5°	2994.7	3049.5	3751.3	4531.1	4680.7	4111.7	4103.2	4137.0	4212.8	4486.8	5479.4
70°	2765.0	2819.8	3287.6	4590.1	4883.0	4552.1	4541.6	4526.8	4577.4	4798.7	5525.8
72.5°	2366.7	2392.0	2815.6	4345.6	5066.4	5081.1	5119.0	5005.2	4920.9	4988.4	4977.8
75°	1393.0	1388.8	1974.7	3378.3	4939.9	5572.1	5700.7	5504.7	5098.0	4758.7	3599.6
77.5°	480.5	461.5	672.3	1540.6	3586.9	5390.9	5626.9	5338.2	4634.3	3763.9	2004.2
80°	134.9	145.4	217.1	514.2	1671.2	3325.6	3789.2	4000.0	3022.1	1582.7	598.5
82.5°	61.1	63.2	113.8	210.7	617.5	1631.2	1690.2	1433.1	1022.1	400.4	147.5
85°	16.9	16.9	35.8	75.9	210.7	377.2	413.1	362.5	210.7	134.9	50.6
87.5°	2.1	2.1	2.1	4.2	6.3	10.5	8.4	23.2	19.0	16.9	8.4
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°	1026.3	1026.3	1026.3	1026.3	1026.3	1026.3	1026.3	1026.3	1026.3	1026.3	1026.3
2.5°	1020.0	1017.9	1013.7	1011.6	1009.5	1009.5	1009.5	1011.6	1007.4	1015.8	1015.8
5°	994.7	992.6	986.3	990.5	990.5	998.9	1003.2	1007.4	1013.7	1017.9	1020.0
7.5°	984.2	986.3	984.2	980.0	984.2	992.6	1009.5	1024.2	1030.6	1036.9	1039.0
10°	996.8	996.8	990.5	998.9	1001.0	1009.5	1022.1	1039.0	1057.9	1064.3	1064.3
12.5°	1005.3	1007.4	1003.2	1020.0	1024.2	1034.8	1043.2	1051.6	1068.5	1079.0	1081.1
15°	1015.8	1013.7	1020.0	1034.8	1043.2	1051.6	1057.9	1053.7	1070.6	1079.0	1079.0
17.5°	1030.6	1032.7	1041.1	1060.1	1064.3	1066.4	1064.3	1053.7	1066.4	1074.8	1079.0
20°	1045.3	1049.5	1062.2	1076.9	1076.9	1068.5	1060.1	1049.5	1055.8	1066.4	1074.8
22.5°	1064.3	1070.6	1079.0	1089.6	1079.0	1060.1	1049.5	1039.0	1045.3	1062.2	1068.5
25°	1081.1	1087.5	1087.5	1083.2	1055.8	1039.0	1034.8	1034.8	1036.9	1055.8	1057.9
27.5°	1110.6	1110.6	1095.9	1066.4	1017.9	990.5	1001.0	1009.5	1028.4	1043.2	1047.4
30°	1142.2	1133.8	1104.3	1039.0	963.1	935.7	948.4	971.5	996.8	1017.9	1030.6
32.5°	1182.3	1176.0	1117.0	1007.4	904.1	868.3	880.9	914.6	950.5	975.8	980.0
35°	1241.3	1226.5	1129.6	965.2	828.2	794.5	800.8	838.8	876.7	904.1	918.9
37.5°	1317.2	1302.4	1140.1	910.4	750.3	714.4	712.3	748.2	777.7	802.9	813.5
40°	1447.8	1412.0	1150.7	840.9	674.4	632.2	632.2	644.9	655.4	672.3	680.7
42.5°	1614.3	1551.1	1167.5	760.8	600.6	562.7	547.9	554.3	541.6	526.9	529.0
45°	1839.8	1730.2	1201.3	678.6	533.2	499.5	486.8	470.0	444.7	417.3	419.4
47.5°	2103.3	1924.1	1224.4	604.8	474.2	448.9	436.2	415.2	379.3	349.8	347.7
50°	2406.7	2137.0	1253.9	539.5	421.5	415.2	406.7	375.1	335.1	307.7	303.5
52.5°	2725.0	2343.5	1283.4	491.0	385.7	396.2	381.5	347.7	303.5	276.1	274.0
55°	3085.3	2606.9	1342.5	440.5	358.3	375.1	364.6	326.7	282.4	263.4	261.3
57.5°	3508.9	2885.1	1433.1	400.4	335.1	347.7	345.6	311.9	282.4	269.8	269.8
60°	3953.6	3243.4	1477.3	370.9	311.9	326.7	343.5	318.2	297.2	286.6	284.5
62.5°	4389.9	3582.7	1344.6	345.6	295.0	320.3	354.1	345.6	314.0	311.9	309.8
65°	4716.5	3835.6	1017.9	320.3	282.4	333.0	400.4	373.0	326.7	322.4	320.3
67.5°	4876.7	3964.1	680.7	301.4	271.9	347.7	442.6	385.7	320.3	309.8	299.3
70°	4678.6	3763.9	453.1	278.2	255.0	341.4	470.0	387.8	307.7	292.9	278.2
72.5°	3995.8	3247.6	345.6	257.1	238.1	328.8	476.3	377.2	295.0	265.5	255.0
75°	2830.3	2240.2	278.2	231.8	210.7	311.9	472.1	360.4	274.0	242.4	233.9
77.5°	1441.5	1005.3	217.1	200.2	179.1	292.9	453.1	295.0	206.5	179.1	174.9
80°	400.4	299.3	168.6	158.1	139.1	242.4	347.7	236.0	166.5	147.5	139.1
82.5°	139.1	126.4	115.9	101.2	99.1	196.0	299.3	191.8	122.2	90.6	88.5
85°	50.6	48.5	54.8	54.8	56.9	101.2	156.0	86.4	52.7	37.9	35.8
87.5°	6.3	6.3	8.4	6.3	8.4	2.1	2.1	2.1	2.1	2.1	2.1
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)