

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: P511235

Luminaire Tested: **PRV-P-PA1C-730-U-T3**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511235
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-PA1C-730-U-T3
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8528 lumens
Efficiency: N/A
Efficacy: 118.3 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

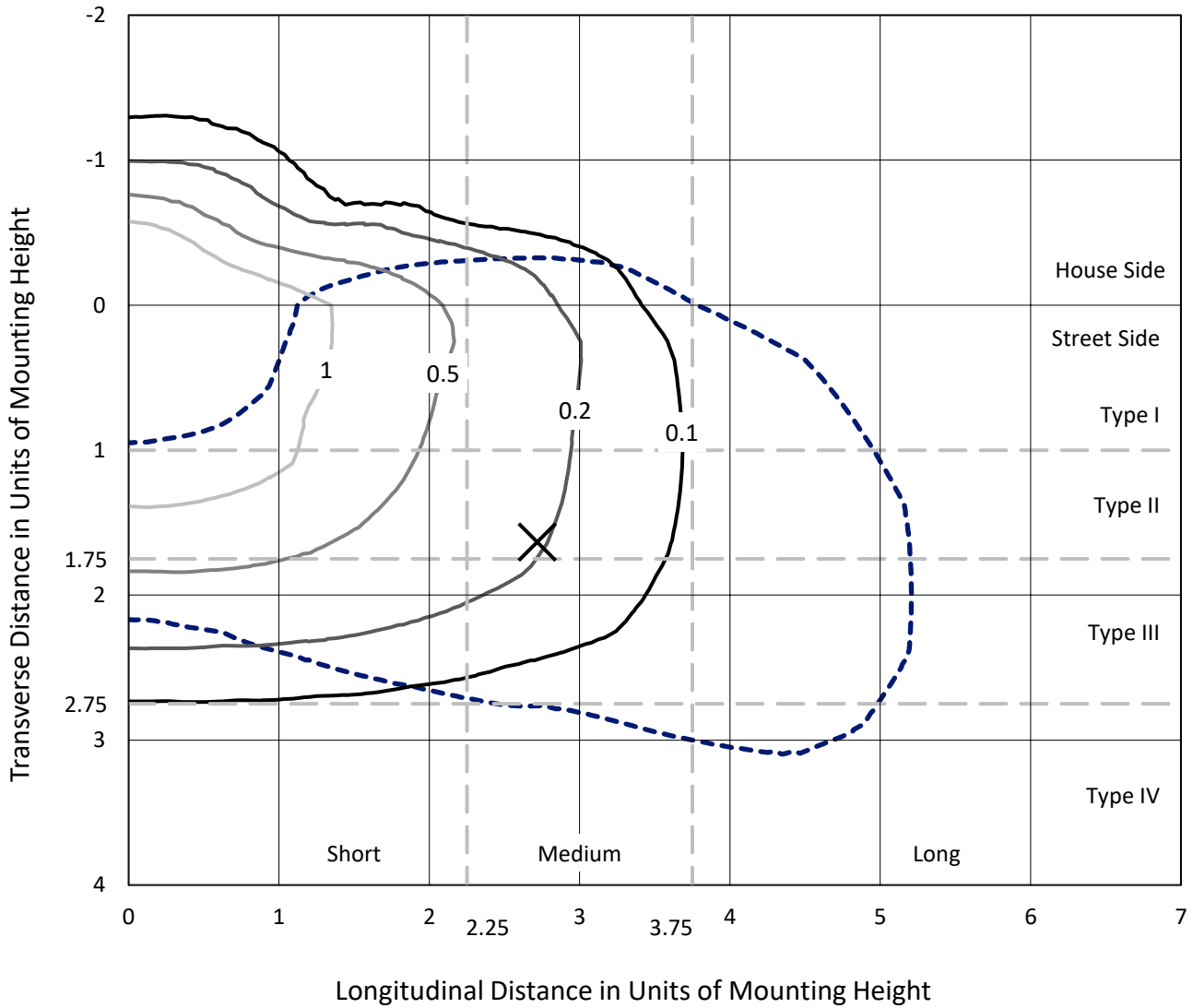
Input Watts (W): 72.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P511235
 CATALOG NUMBER: PRV-P-PA1C-730-U-T3

Iso-Footcandle Lines of Horizontal Illumination

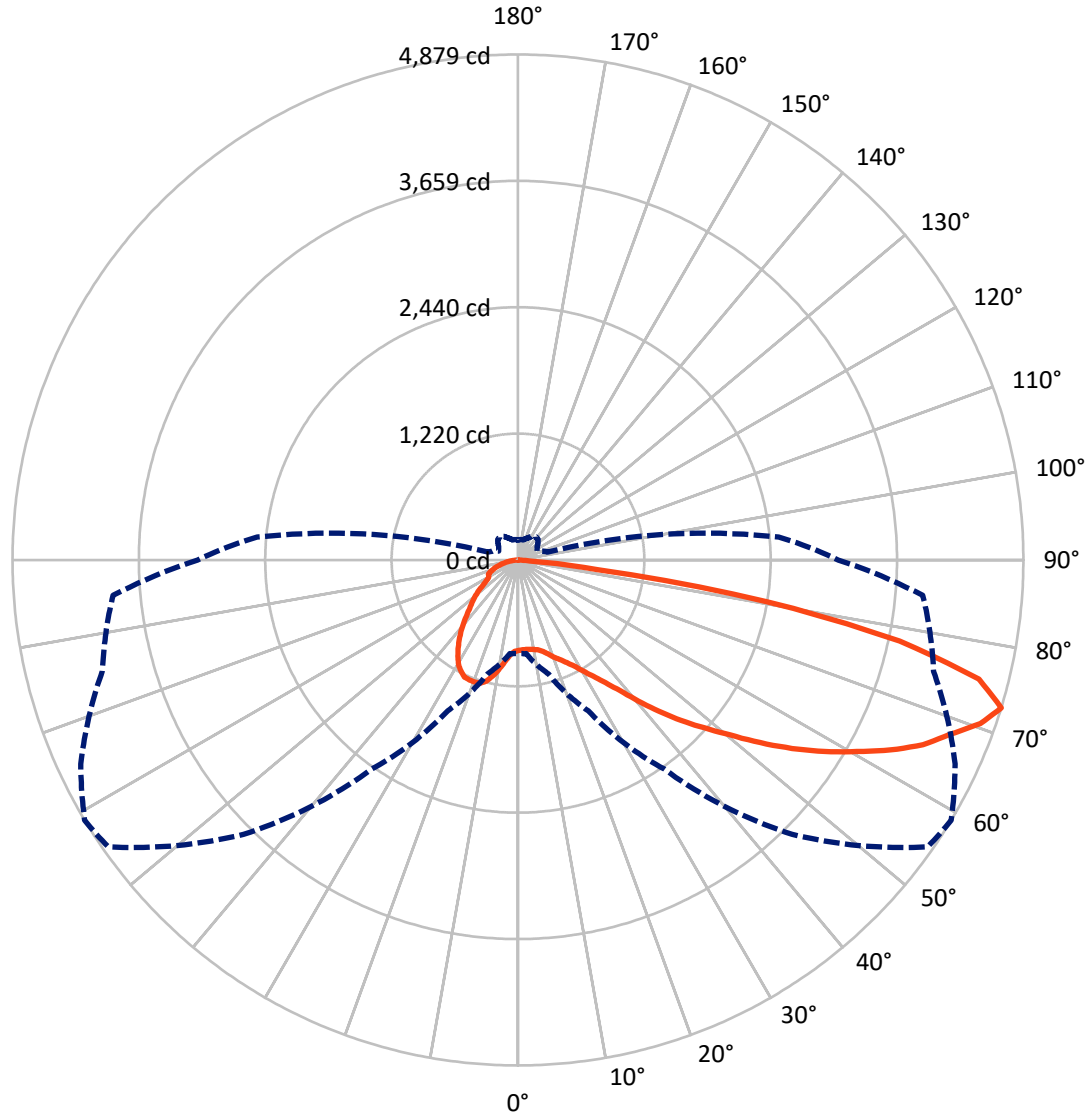
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Medium - N/A

REPORT NUMBER: P511235
CATALOG NUMBER: PRV-P-PA1C-730-U-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P511235

CATALOG NUMBER: PRV-P-PA1C-730-U-T3

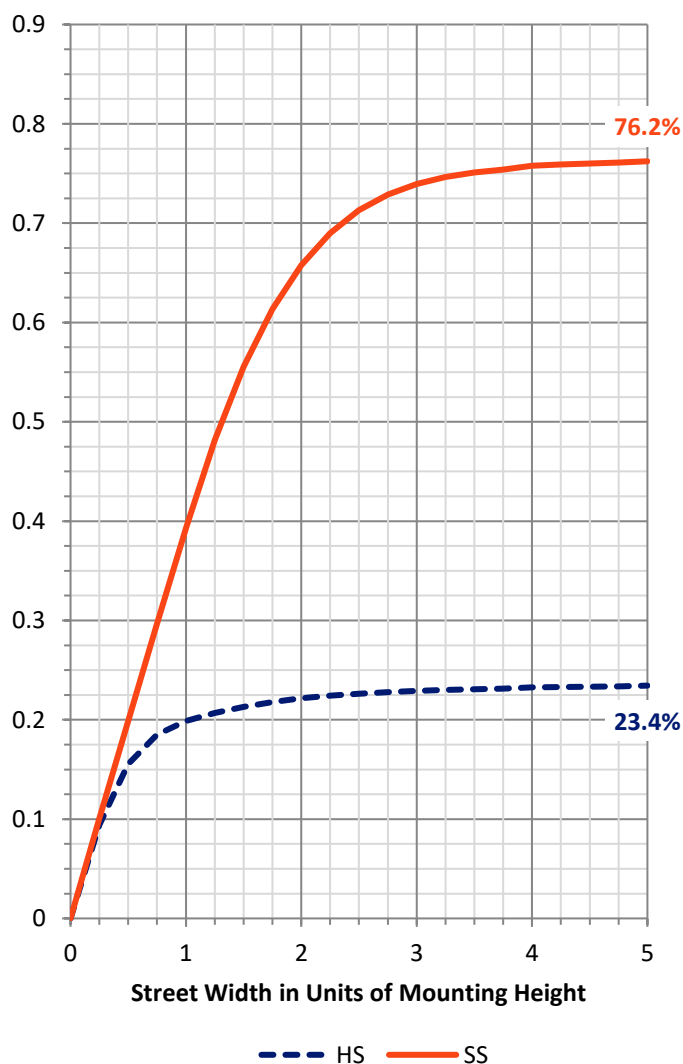
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2017.5	0.0	2017.5
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	6510.5	0.0	6510.5
	% Fixture	76.3	0.0	76.3
Total	Lumens	8528.0	0.0	8528.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.3	1.0
10°-20°	287.8	3.4
20°-30°	531.4	6.2
30°-40°	808.6	9.5
40°-50°	1218.5	14.3
50°-60°	1810.5	21.2
60°-70°	2154.7	25.3
70°-80°	1458.3	17.1
80°-90°	171.0	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°	8528.0	100.0
0°-180°	8528.0	100.0

Coefficient of Utilization



REPORT NUMBER: P511235

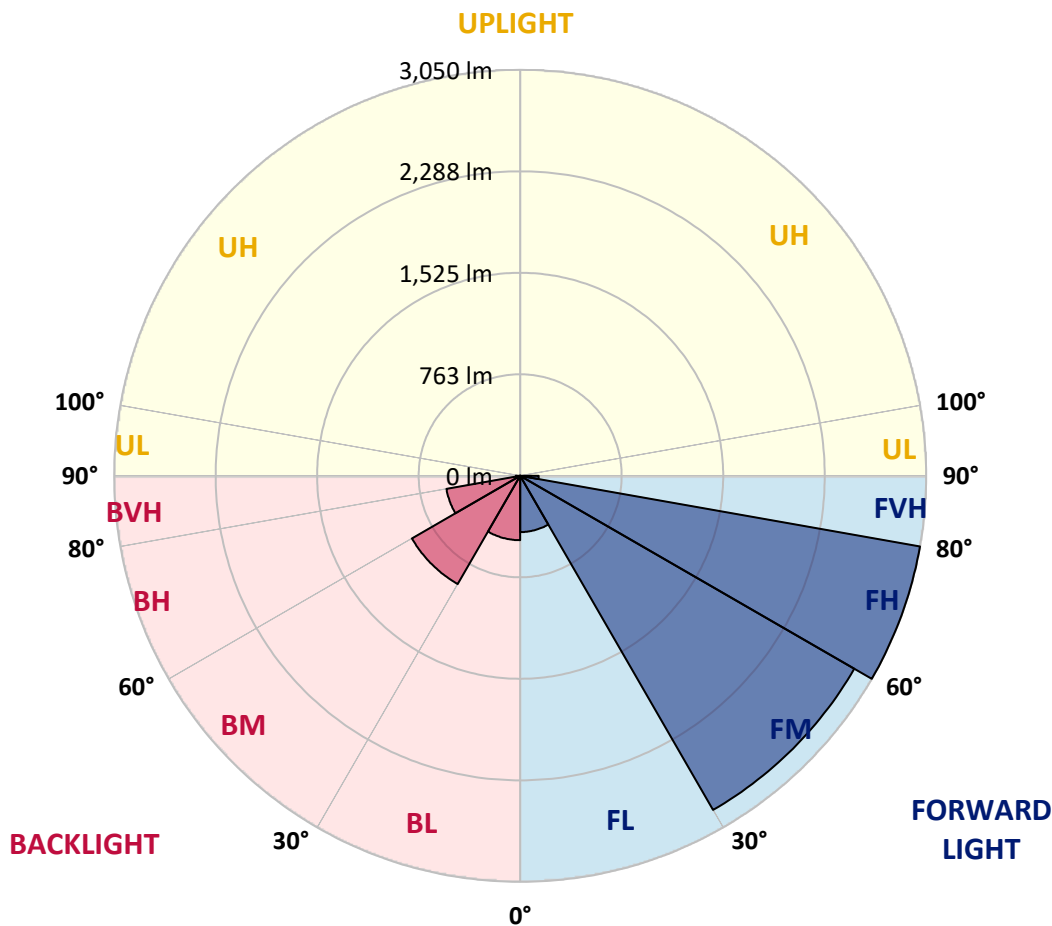
CATALOG NUMBER: PRV-P-PA1C-730-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	422.6	5.0			
FM (30°-60°)	2898.4	34.0			
FH (60°-80°)	3050.4	35.8			G2/5000
FVH (80°-90°)	139.0	1.6			G2/225
BL (0°-30°)	483.8	5.7	B1/500		
BM (30°-60°)	939.1	11.0	B1/1000		
BH (60°-80°)	562.5	6.6	B2/1000		G2/1000
BVH (80°-90°)	32.0	0.4			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





REPORT NUMBER: P511235

CATALOG NUMBER: PRV-P-PA1C-730-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3
2.5°	863.7	867.6	865.7	865.7	867.6	867.6	871.4	867.6	873.3	871.4	869.5
5°	829.2	827.3	831.1	836.9	844.6	858.0	865.7	867.6	871.4	877.2	877.2
7.5°	763.9	765.9	773.5	787.0	808.1	838.8	869.5	871.4	882.9	896.4	904.1
10°	748.6	750.5	754.3	773.5	794.6	829.2	869.5	879.1	900.2	921.3	940.5
12.5°	740.9	744.7	748.6	771.6	802.3	836.9	879.1	890.6	921.3	955.9	984.7
15°	746.7	748.6	754.3	773.5	806.2	852.2	898.3	917.5	948.2	992.4	1028.8
17.5°	769.7	769.7	765.9	783.1	811.9	869.5	929.0	955.9	988.5	1034.6	1080.6
20°	825.4	825.4	817.7	808.1	827.3	884.9	967.4	1001.9	1040.3	1088.3	1132.5
22.5°	940.5	938.6	915.6	881.0	873.3	913.7	1007.7	1046.1	1097.9	1147.8	1186.2
25°	1109.4	1109.4	1069.1	1011.5	971.2	967.4	1049.9	1097.9	1163.2	1211.2	1236.1
27.5°	1303.3	1295.6	1241.9	1176.6	1099.8	1057.6	1115.2	1159.3	1234.2	1282.2	1287.9
30°	1454.9	1462.6	1412.7	1322.5	1232.3	1176.6	1197.7	1245.7	1326.3	1362.8	1349.4
32.5°	1641.1	1621.9	1579.7	1495.2	1391.6	1312.9	1309.1	1337.9	1407.0	1451.1	1414.6
35°	1765.9	1760.1	1731.3	1656.5	1547.1	1464.5	1422.3	1454.9	1520.2	1541.3	1497.2
37.5°	1896.4	1900.2	1881.1	1812.0	1719.8	1608.5	1577.8	1595.1	1662.2	1673.8	1616.2
40°	2074.9	2078.8	2067.2	1998.1	1884.9	1800.4	1773.6	1790.8	1852.3	1850.3	1764.0
42.5°	2299.5	2301.4	2307.2	2203.5	2082.6	2000.1	1982.8	1994.3	2063.4	2040.4	1948.2
45°	2589.3	2575.9	2581.6	2481.8	2336.0	2245.7	2217.0	2209.3	2257.3	2257.3	2157.5
47.5°	2810.1	2819.7	2833.1	2764.0	2639.2	2562.5	2451.1	2422.3	2466.5	2479.9	2378.2
50°	3003.9	3032.7	3025.0	3042.3	2940.6	2909.9	2714.1	2652.7	2708.3	2716.0	2620.0
52.5°	3128.7	3182.4	3192.0	3257.3	3284.2	3324.5	2982.8	2929.1	2952.1	2954.0	2875.3
55°	3126.8	3170.9	3280.3	3430.0	3570.2	3675.7	3272.6	3211.2	3209.3	3209.3	3155.6
57.5°	3071.1	3099.9	3303.4	3495.3	3764.0	3932.9	3568.2	3489.5	3456.9	3460.8	3455.0
60°	2917.6	2967.5	3249.6	3512.6	3913.7	4105.7	3808.2	3756.3	3727.6	3668.1	3810.1
62.5°	2773.6	2788.9	3050.0	3468.4	3938.7	4180.5	4086.5	4038.5	4005.9	3888.8	4096.1
65°	2472.2	2481.8	2729.4	3228.5	3846.6	4228.5	4324.5	4297.6	4228.5	4092.3	4332.2
67.5°	2048.0	2078.8	2286.1	2861.9	3600.9	4249.6	4512.6	4493.4	4407.0	4182.5	4437.8
70°	1512.5	1537.5	1792.8	2305.3	3176.7	4138.3	4754.5	4733.3	4556.8	4224.7	4314.9
72.5°	902.1	907.9	1138.2	1604.7	2464.6	3744.8	4829.3	4879.2	4656.6	4153.7	3923.3
75°	368.5	345.5	449.1	771.6	1506.8	2769.8	4481.9	4597.1	4545.2	3892.6	3240.0
77.5°	172.7	170.8	228.4	397.3	637.3	1426.1	3612.4	3765.9	3852.3	3347.5	2458.8
80°	97.9	99.8	130.5	201.5	364.7	382.0	2153.6	2433.9	2474.2	2136.3	1414.6
82.5°	80.6	80.6	88.3	111.3	205.4	170.8	391.6	773.5	1099.8	969.3	510.6
85°	30.7	32.6	38.4	46.1	96.0	65.3	84.5	117.1	195.8	272.6	46.1
87.5°	1.9	1.9	1.9	3.8	3.8	5.8	7.7	9.6	7.7	9.6	7.7
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: P511235
 CATALOG NUMBER: PRV-P-PA1C-730-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3
2.5°	875.3	877.2	879.1	881.0	884.9	890.6	894.5	894.5	898.3	904.1	906.0
5°	881.0	886.8	894.5	906.0	921.3	936.7	954.0	963.6	971.2	978.9	978.9
7.5°	907.9	915.6	936.7	959.7	990.4	1015.4	1030.7	1049.9	1059.5	1067.2	1067.2
10°	954.0	961.6	1000.0	1040.3	1074.9	1103.7	1111.4	1117.1	1124.8	1132.5	1122.9
12.5°	996.2	1023.1	1067.2	1111.4	1157.4	1167.0	1155.5	1124.8	1109.4	1107.5	1099.8
15°	1046.1	1078.7	1140.1	1184.3	1220.8	1190.1	1126.7	1119.0	1126.7	1142.1	1144.0
17.5°	1103.7	1128.6	1199.7	1253.4	1236.1	1167.0	1165.1	1165.1	1168.9	1170.9	1165.1
20°	1149.7	1192.0	1268.8	1299.5	1216.9	1192.0	1178.5	1163.2	1157.4	1157.4	1155.5
22.5°	1205.4	1240.0	1322.5	1303.3	1213.1	1190.1	1157.4	1138.2	1138.2	1147.8	1144.0
25°	1253.4	1303.3	1376.2	1287.9	1211.2	1157.4	1121.0	1113.3	1117.1	1132.5	1128.6
27.5°	1301.4	1359.0	1407.0	1268.8	1167.0	1099.8	1076.8	1074.9	1055.7	1059.5	1055.7
30°	1366.6	1412.7	1408.9	1261.1	1097.9	1042.3	1019.2	963.6	934.8	950.1	950.1
32.5°	1420.4	1470.3	1393.5	1201.6	1023.1	986.6	898.3	842.6	833.0	842.6	854.2
35°	1502.9	1545.2	1383.9	1121.0	946.3	881.0	773.5	737.1	727.5	733.2	739.0
37.5°	1620.0	1635.4	1420.4	1019.2	877.2	746.7	669.9	643.0	618.1	595.0	602.7
40°	1767.8	1750.5	1462.6	942.4	783.1	635.3	593.1	560.5	514.4	479.9	477.9
42.5°	1931.0	1858.0	1466.5	877.2	675.6	560.5	522.1	481.8	433.8	395.4	391.6
45°	2121.0	2000.1	1435.7	819.6	572.0	508.7	466.4	418.4	372.4	341.7	343.6
47.5°	2345.6	2147.9	1393.5	754.3	508.7	460.7	412.7	370.5	334.0	309.0	310.9
50°	2587.4	2289.9	1345.5	677.6	456.8	412.7	370.5	335.9	307.1	289.8	287.9
52.5°	2848.5	2451.1	1324.4	581.6	410.8	378.1	341.7	316.7	289.8	264.9	259.1
55°	3132.5	2602.8	1337.9	468.3	366.6	347.4	326.3	295.6	295.6	287.9	282.2
57.5°	3389.7	2750.6	1389.7	395.4	332.1	335.9	322.5	355.1	364.7	353.2	347.4
60°	3627.7	2902.2	1387.8	341.7	314.8	364.7	406.9	395.4	339.7	316.7	309.0
62.5°	3790.9	3030.8	1230.4	303.3	328.2	435.7	418.4	351.3	301.4	291.8	286.0
65°	3894.5	3088.4	923.3	282.2	339.7	410.8	374.3	312.9	278.3	280.2	278.3
67.5°	3848.5	3044.2	627.7	253.4	301.4	353.2	339.7	287.9	253.4	268.7	263.0
70°	3591.3	2881.1	412.7	230.3	266.8	316.7	312.9	261.0	230.3	236.1	228.4
72.5°	3092.2	2527.9	297.5	203.5	226.5	276.4	284.1	236.1	201.5	197.7	191.9
75°	2474.2	1950.2	218.8	176.6	188.1	232.3	249.5	207.3	176.6	167.0	163.2
77.5°	1779.3	1263.0	167.0	145.9	151.6	190.0	216.9	172.7	142.0	130.5	126.7
80°	982.8	612.3	124.8	113.2	109.4	142.0	159.3	144.0	109.4	101.7	97.9
82.5°	343.6	182.3	86.4	72.9	69.1	99.8	115.2	105.6	74.9	63.3	65.3
85°	40.3	51.8	36.5	34.5	30.7	40.3	51.8	40.3	23.0	21.1	21.1
87.5°	5.8	5.8	5.8	3.8	3.8	1.9	1.9	1.9	1.9	1.9	1.9
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)