

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: P511244

Luminaire Tested: **PRV-P-PA1C-740-U-T3**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511244
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-740-U-T3
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9364 lumens
Efficiency: N/A
Efficacy: 129.9 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

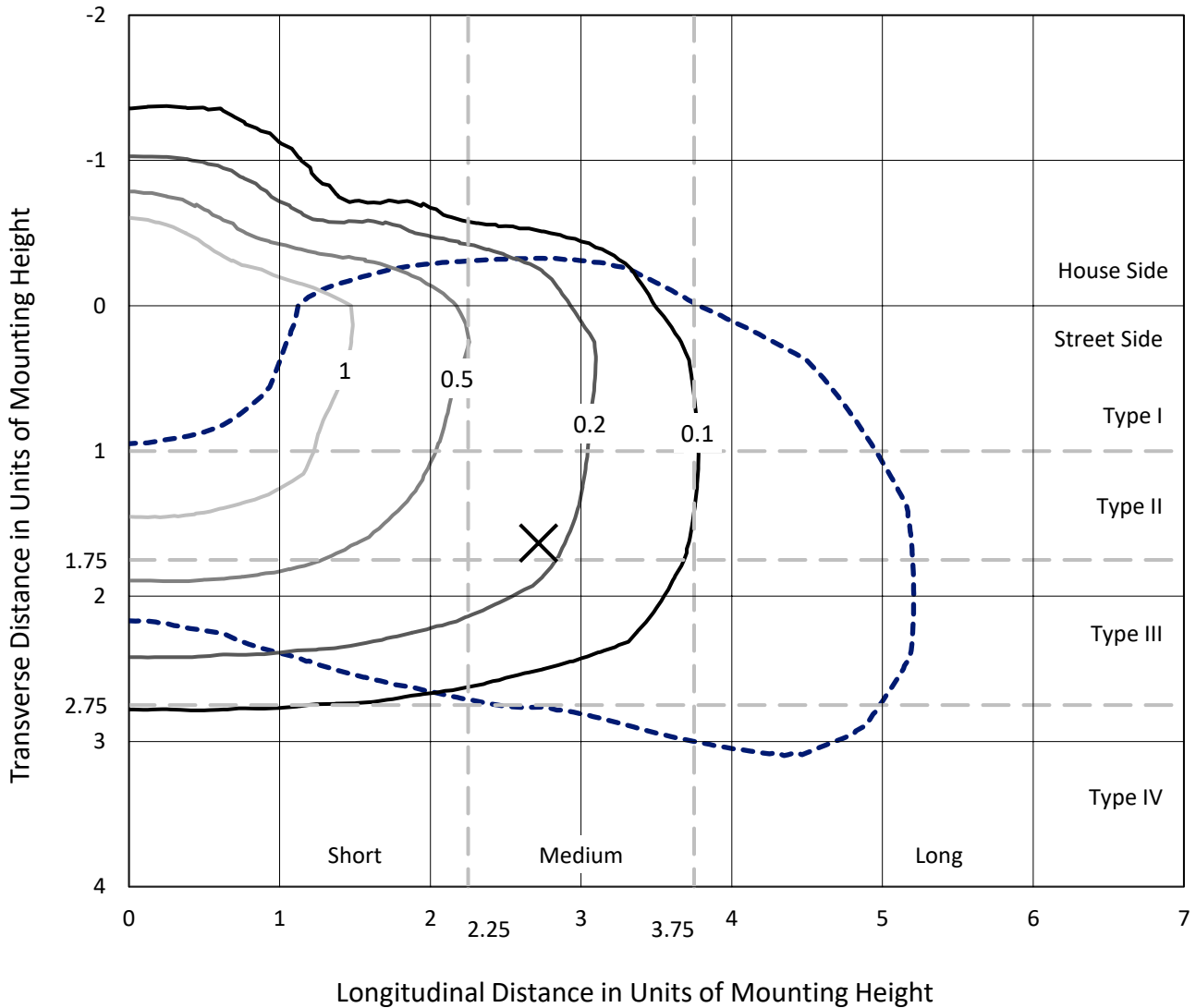
Input Watts (W): 72.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

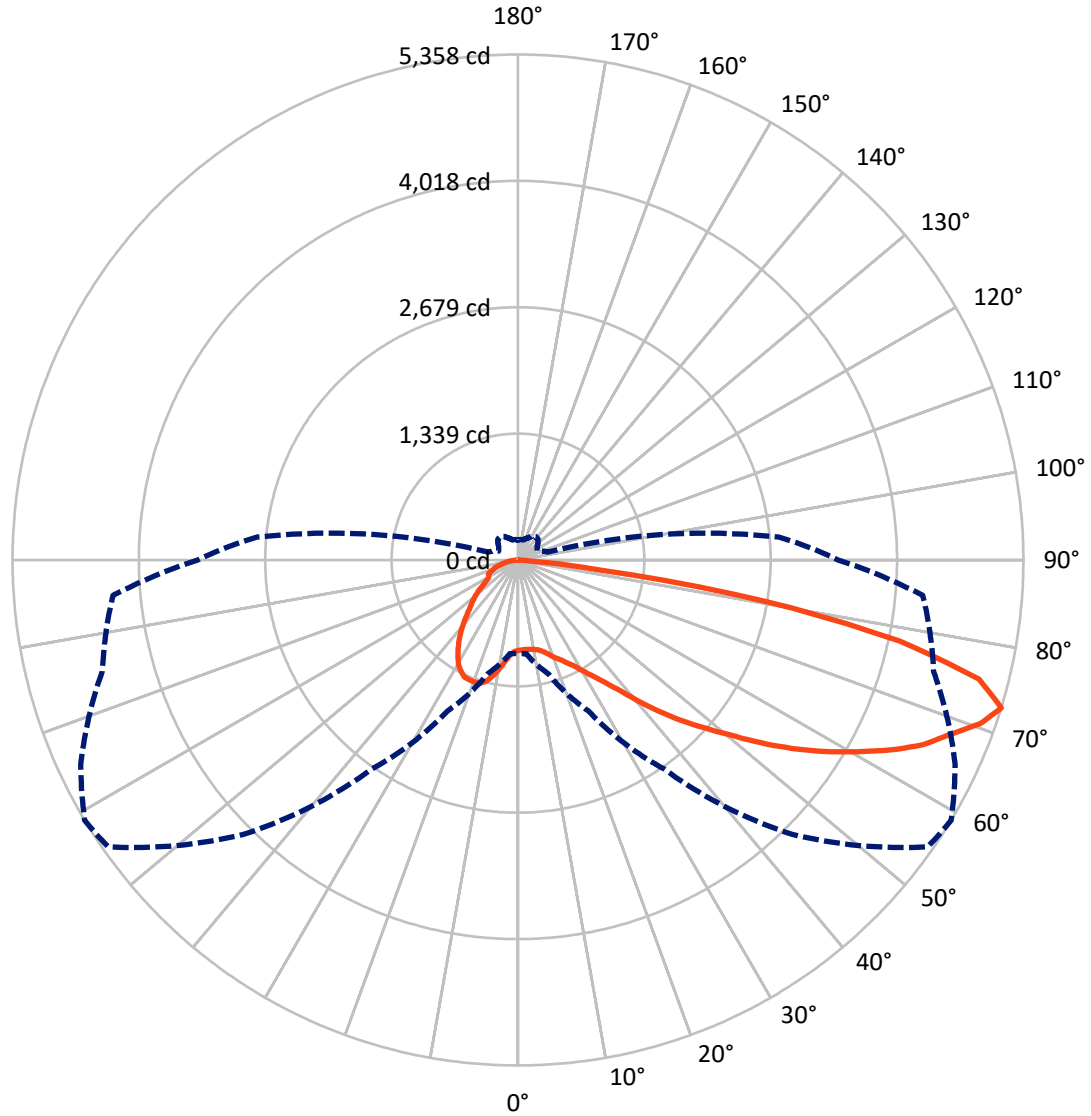
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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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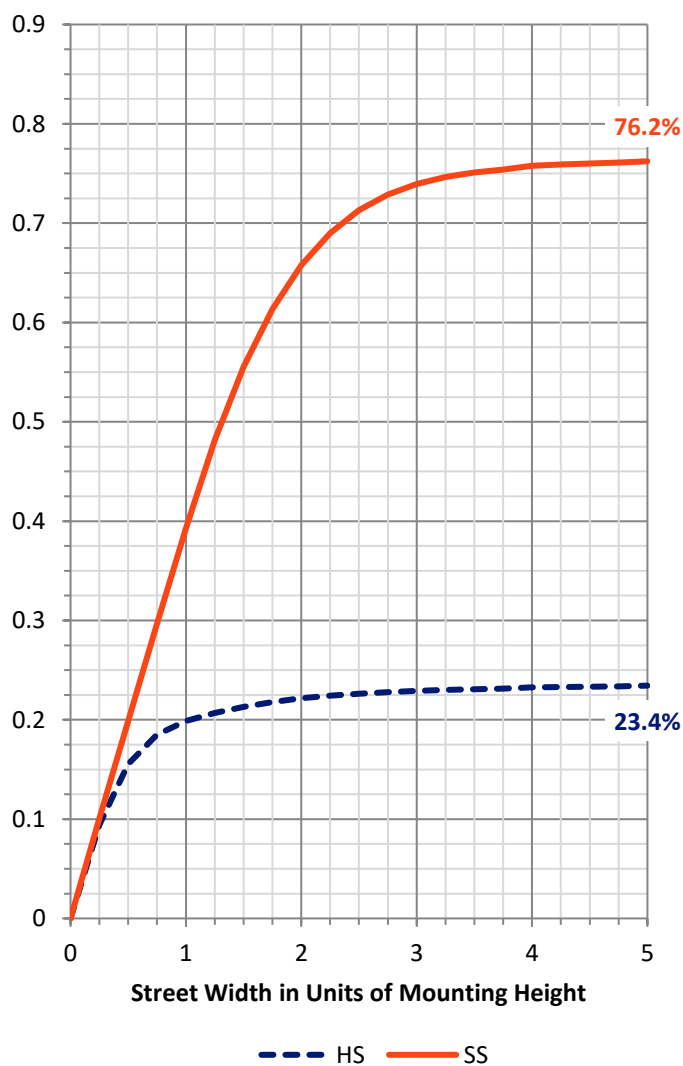
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2215.2	0.0	2215.2
	% Fixture	23.7	0.0	23.7
Street Side	Lumens	7148.8	0.0	7148.8
	% Fixture	76.3	0.0	76.3
Total	Lumens	9364.0	0.0	9364.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.9	1.0
10°-20°	316.0	3.4
20°-30°	583.5	6.2
30°-40°	887.9	9.5
40°-50°	1338.0	14.3
50°-60°	1987.9	21.2
60°-70°	2365.9	25.3
70°-80°	1601.3	17.1
80°-90°	187.8	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°	9364.0	100.0
0°-180°	9364.0	100.0

Coefficient of Utilization



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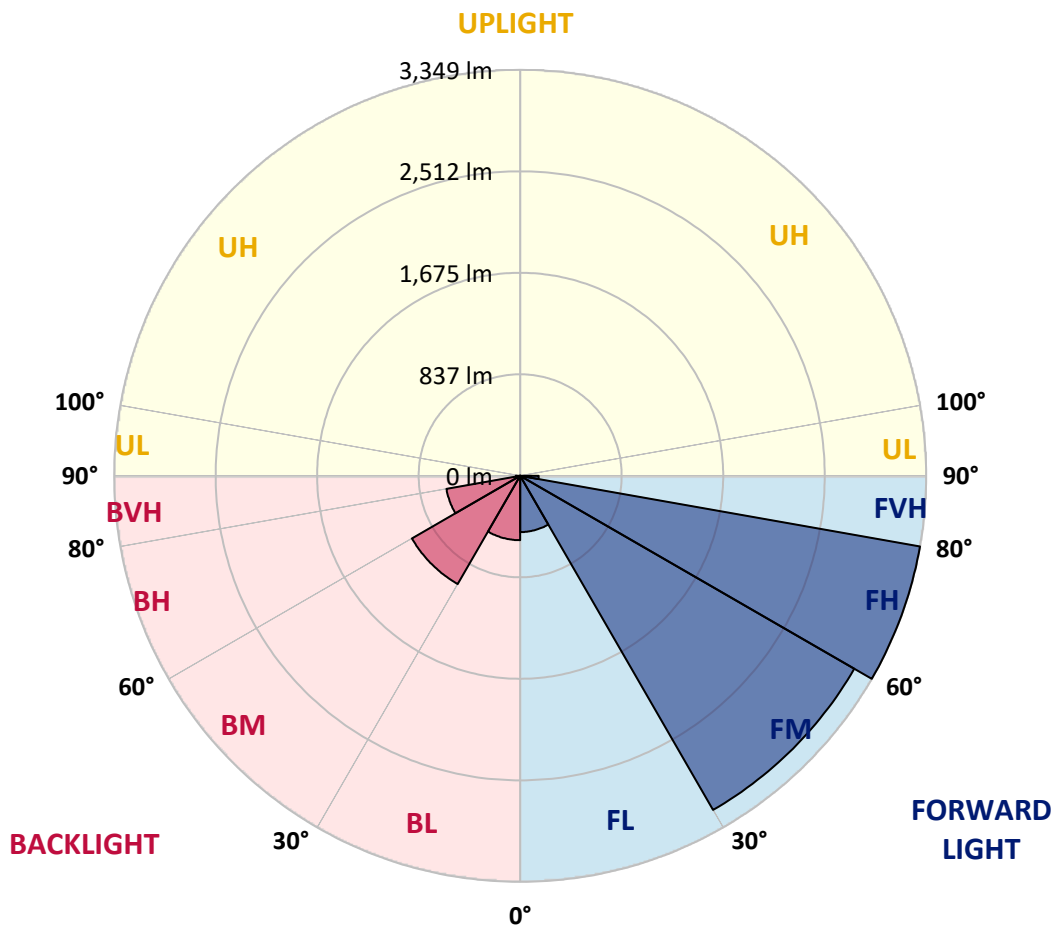
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	464.1	5.0			
FM (30°-60°)	3182.6	34.0			
FH (60°-80°)	3349.5	35.8			G2/5000
FVH (80°-90°)	152.6	1.6			G2/225
BL (0°-30°)	531.3	5.7	B2/1000		
BM (30°-60°)	1031.2	11.0	B2/2500		
BH (60°-80°)	617.6	6.6	B2/1000		G2/1000
BVH (80°-90°)	35.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0
2.5°	948.4	952.6	950.5	950.5	952.6	952.6	956.9	952.6	959.0	956.9	954.7
5°	910.5	908.4	912.6	918.9	927.3	942.1	950.5	952.6	956.9	963.2	963.2
7.5°	838.8	840.9	849.4	864.1	887.3	921.0	954.7	956.9	969.5	984.3	992.7
10°	822.0	824.1	828.3	849.4	872.5	910.5	954.7	965.3	988.5	1011.7	1032.7
12.5°	813.5	817.8	822.0	847.3	881.0	918.9	965.3	977.9	1011.7	1049.6	1081.2
15°	819.9	822.0	828.3	849.4	885.2	935.8	986.4	1007.4	1041.2	1089.6	1129.7
17.5°	845.1	845.1	840.9	859.9	891.5	954.7	1020.1	1049.6	1085.4	1136.0	1186.6
20°	906.3	906.3	897.8	887.3	908.4	971.6	1062.2	1100.2	1142.3	1195.0	1243.5
22.5°	1032.7	1030.6	1005.3	967.4	959.0	1003.2	1106.5	1148.6	1205.6	1260.3	1302.5
25°	1218.2	1218.2	1173.9	1110.7	1066.4	1062.2	1152.9	1205.6	1277.2	1329.9	1357.3
27.5°	1431.1	1422.6	1363.6	1292.0	1207.7	1161.3	1224.5	1273.0	1355.2	1407.9	1414.2
30°	1597.6	1606.0	1551.2	1452.1	1353.1	1292.0	1315.1	1367.8	1456.4	1496.4	1481.6
32.5°	1802.0	1780.9	1734.6	1641.8	1528.0	1441.6	1437.4	1469.0	1544.9	1593.3	1553.3
35°	1939.0	1932.7	1901.1	1818.9	1698.7	1608.1	1561.7	1597.6	1669.2	1692.4	1643.9
37.5°	2082.3	2086.5	2065.5	1989.6	1888.4	1766.2	1732.5	1751.4	1825.2	1837.8	1774.6
40°	2278.3	2282.5	2269.9	2194.0	2069.7	1976.9	1947.4	1966.4	2033.8	2031.7	1936.9
42.5°	2524.9	2527.0	2533.3	2419.5	2286.8	2196.1	2177.2	2189.8	2265.7	2240.4	2139.2
45°	2843.2	2828.4	2834.7	2725.1	2565.0	2465.9	2434.3	2425.9	2478.5	2478.5	2368.9
47.5°	3085.5	3096.1	3110.8	3035.0	2898.0	2813.7	2691.4	2659.8	2708.3	2723.0	2611.3
50°	3298.4	3330.0	3321.6	3340.6	3228.9	3195.1	2980.2	2912.7	2973.8	2982.3	2876.9
52.5°	3435.4	3494.4	3504.9	3576.6	3606.1	3650.4	3275.2	3216.2	3241.5	3243.6	3157.2
55°	3433.3	3481.8	3601.9	3766.3	3920.1	4036.1	3593.5	3526.0	3523.9	3523.9	3464.9
57.5°	3372.2	3403.8	3627.2	3837.9	4133.0	4318.5	3918.0	3831.6	3795.8	3800.0	3793.7
60°	3203.6	3258.4	3568.2	3856.9	4297.4	4508.2	4181.5	4124.6	4093.0	4027.6	4183.6
62.5°	3045.5	3062.4	3349.0	3808.4	4324.8	4590.4	4487.1	4434.4	4398.6	4270.0	4497.6
65°	2714.6	2725.1	2997.0	3545.0	4223.6	4643.1	4748.4	4718.9	4643.1	4493.4	4756.9
67.5°	2248.8	2282.5	2510.2	3142.4	3953.9	4666.2	4955.0	4933.9	4839.1	4592.5	4872.8
70°	1660.8	1688.2	1968.5	2531.2	3488.1	4544.0	5220.5	5197.4	5003.5	4638.8	4737.9
72.5°	990.6	996.9	1249.8	1762.0	2706.2	4111.9	5302.7	5357.5	5113.0	4560.9	4307.9
75°	404.7	379.4	493.2	847.3	1654.5	3041.3	4921.3	5047.7	4990.8	4274.2	3557.6
77.5°	189.7	187.6	250.8	436.3	699.7	1566.0	3966.5	4135.1	4230.0	3675.7	2699.8
80°	107.5	109.6	143.3	221.3	400.4	419.4	2364.7	2672.4	2716.7	2345.8	1553.3
82.5°	88.5	88.5	96.9	122.2	225.5	187.6	430.0	849.4	1207.7	1064.3	560.6
85°	33.7	35.8	42.2	50.6	105.4	71.7	92.7	128.6	215.0	299.3	50.6
87.5°	2.1	2.1	2.1	4.2	4.2	6.3	8.4	10.5	8.4	10.5	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°	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0	959.0
2.5°	961.1	963.2	965.3	967.4	971.6	977.9	982.1	982.1	986.4	992.7	994.8
5°	967.4	973.7	982.1	994.8	1011.7	1028.5	1047.5	1058.0	1066.4	1074.9	1074.9
7.5°	996.9	1005.3	1028.5	1053.8	1087.5	1114.9	1131.8	1152.9	1163.4	1171.8	1171.8
10°	1047.5	1055.9	1098.1	1142.3	1180.3	1211.9	1220.3	1226.6	1235.1	1243.5	1232.9
12.5°	1093.8	1123.4	1171.8	1220.3	1270.9	1281.4	1268.8	1235.1	1218.2	1216.1	1207.7
15°	1148.6	1184.5	1251.9	1300.4	1340.4	1306.7	1237.2	1228.7	1237.2	1254.0	1256.1
17.5°	1211.9	1239.3	1317.3	1376.3	1357.3	1281.4	1279.3	1279.3	1283.5	1285.6	1279.3
20°	1262.5	1308.8	1393.1	1426.8	1336.2	1308.8	1294.1	1277.2	1270.9	1270.9	1268.8
22.5°	1323.6	1361.5	1452.1	1431.1	1332.0	1306.7	1270.9	1249.8	1249.8	1260.3	1256.1
25°	1376.3	1431.1	1511.2	1414.2	1329.9	1270.9	1230.8	1222.4	1226.6	1243.5	1239.3
27.5°	1429.0	1492.2	1544.9	1393.1	1281.4	1207.7	1182.4	1180.3	1159.2	1163.4	1159.2
30°	1500.6	1551.2	1547.0	1384.7	1205.6	1144.4	1119.1	1058.0	1026.4	1043.3	1043.3
32.5°	1559.6	1614.4	1530.1	1319.4	1123.4	1083.3	986.4	925.2	914.7	925.2	937.9
35°	1650.3	1696.6	1519.6	1230.8	1039.0	967.4	849.4	809.3	798.8	805.1	811.4
37.5°	1778.8	1795.7	1559.6	1119.1	963.2	819.9	735.6	706.0	678.6	653.4	661.8
40°	1941.1	1922.1	1606.0	1034.8	859.9	697.6	651.2	615.4	564.8	526.9	524.8
42.5°	2120.3	2040.2	1610.2	963.2	741.9	615.4	573.3	529.0	476.3	434.2	430.0
45°	2328.9	2196.1	1576.5	899.9	628.1	558.5	512.1	459.5	408.9	375.2	377.3
47.5°	2575.5	2358.4	1530.1	828.3	558.5	505.8	453.1	406.8	366.7	339.3	341.4
50°	2841.1	2514.4	1477.4	744.0	501.6	453.1	406.8	368.8	337.2	318.2	316.1
52.5°	3127.7	2691.4	1454.2	638.6	451.0	415.2	375.2	347.8	318.2	290.8	284.5
55°	3439.6	2857.9	1469.0	514.3	402.6	381.5	358.3	324.6	324.6	316.1	309.8
57.5°	3722.0	3020.2	1525.9	434.2	364.6	368.8	354.1	389.9	400.4	387.8	381.5
60°	3983.4	3186.7	1523.8	375.2	345.6	400.4	446.8	434.2	373.0	347.8	339.3
62.5°	4162.5	3327.9	1351.0	333.0	360.4	478.4	459.5	385.7	330.9	320.4	314.0
65°	4276.3	3391.1	1013.8	309.8	373.0	451.0	411.0	343.5	305.6	307.7	305.6
67.5°	4225.7	3342.7	689.2	278.2	330.9	387.8	373.0	316.1	278.2	295.1	288.7
70°	3943.3	3163.5	453.1	252.9	293.0	347.8	343.5	286.6	252.9	259.2	250.8
72.5°	3395.4	2775.7	326.7	223.4	248.7	303.5	311.9	259.2	221.3	217.1	210.8
75°	2716.7	2141.3	240.3	193.9	206.5	255.0	274.0	227.6	193.9	183.4	179.1
77.5°	1953.7	1386.8	183.4	160.2	166.5	208.7	238.2	189.7	156.0	143.3	139.1
80°	1079.1	672.3	137.0	124.3	120.1	156.0	174.9	158.1	120.1	111.7	107.5
82.5°	377.3	200.2	94.8	80.1	75.9	109.6	126.5	115.9	82.2	69.6	71.7
85°	44.3	56.9	40.0	37.9	33.7	44.3	56.9	44.3	25.3	23.2	23.2
87.5°	6.3	6.3	6.3	4.2	4.2	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)