

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: P511242

Luminaire Tested: **PRV-P-PA1C-740-U-T2U**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511242
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-3)
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-T2U
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9476 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

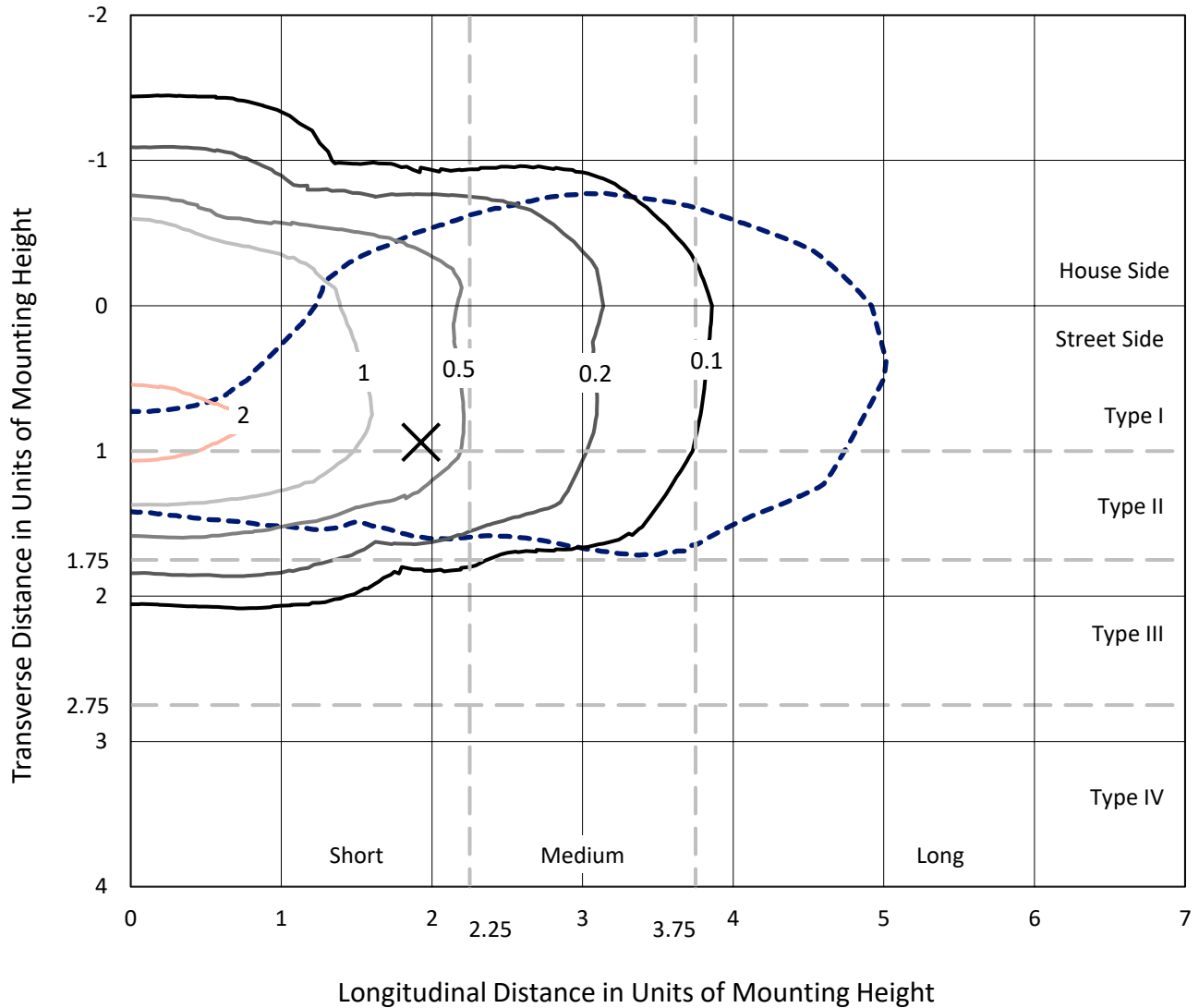
Input Watts (W): 72.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

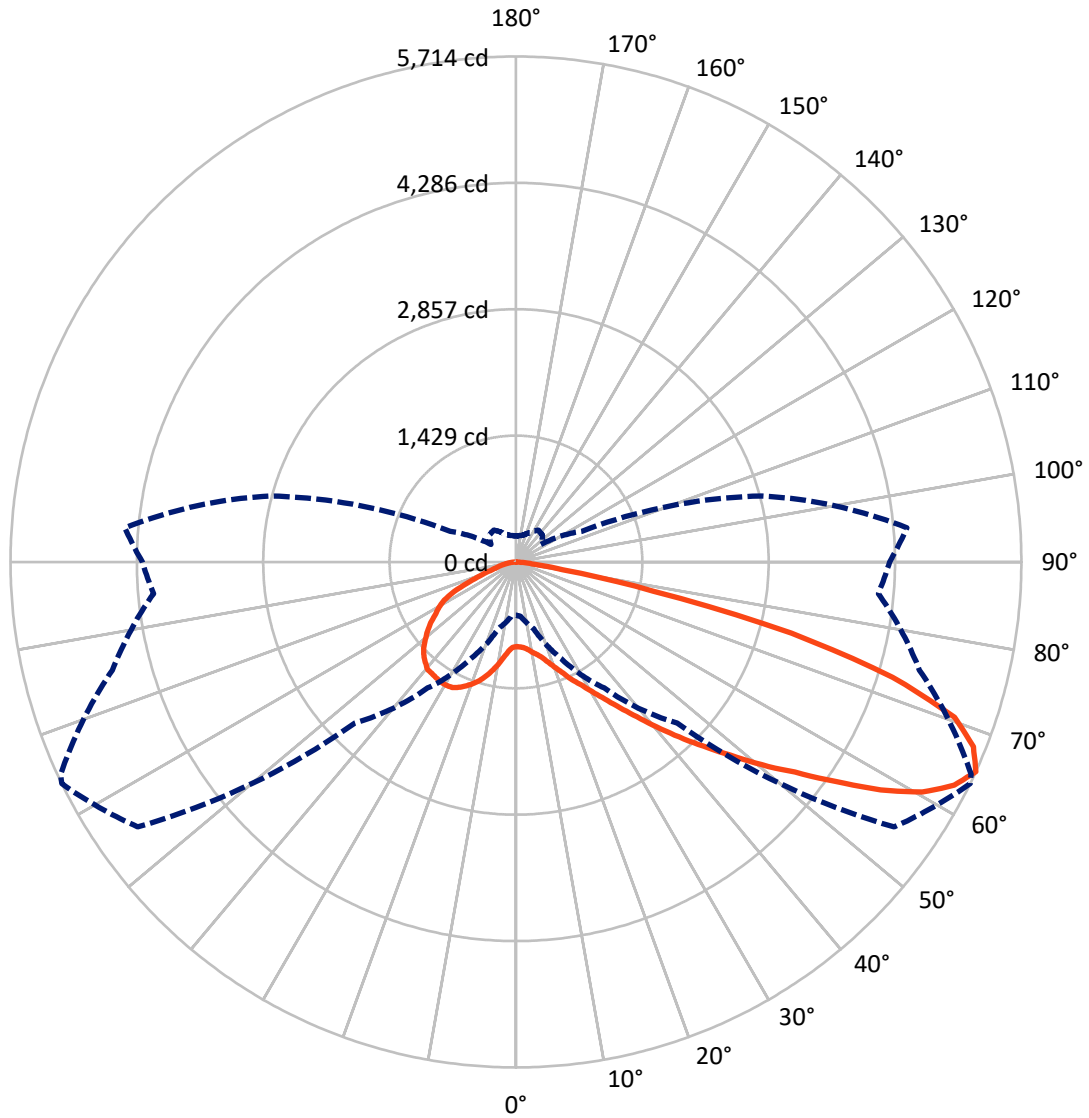
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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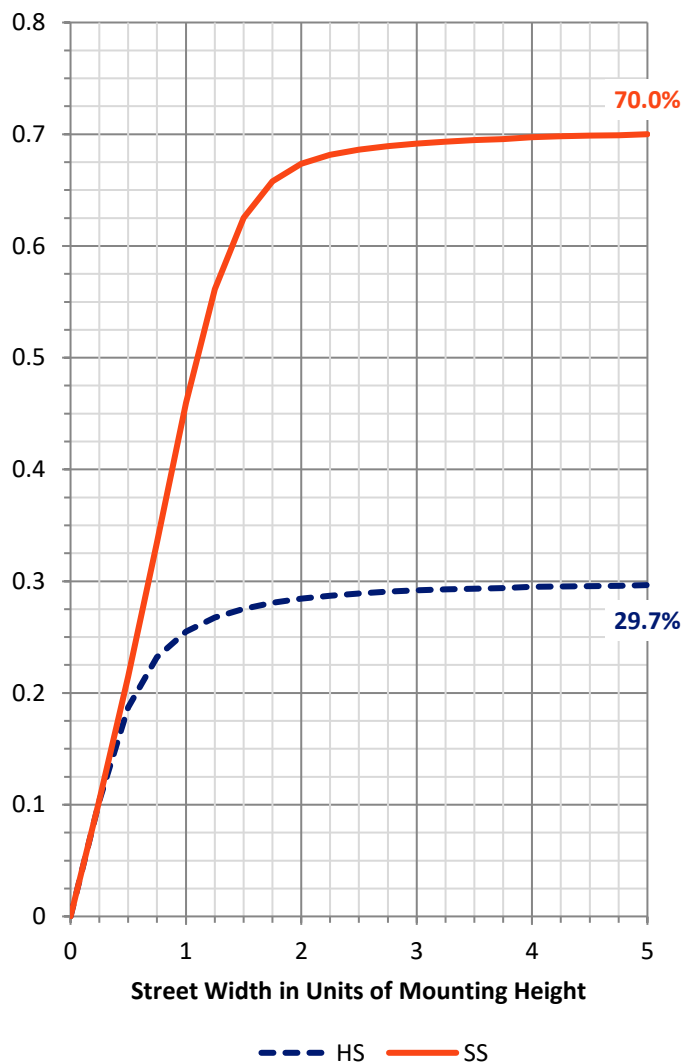
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2831.6	0.0	2831.6
	% Fixture	29.9	0.0	29.9
Street Side	Lumens	6644.4	0.0	6644.4
	% Fixture	70.1	0.0	70.1
Total	Lumens	9476.0	0.0	9476.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.6	1.0
10°-20°	343.0	3.6
20°-30°	663.9	7.0
30°-40°	1061.4	11.2
40°-50°	1701.5	18.0
50°-60°	2229.2	23.5
60°-70°	2025.3	21.4
70°-80°	1209.6	12.8
80°-90°	143.4	1.5
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°	9476.0	100.0
0°-180°	9476.0	100.0

Coefficient of Utilization



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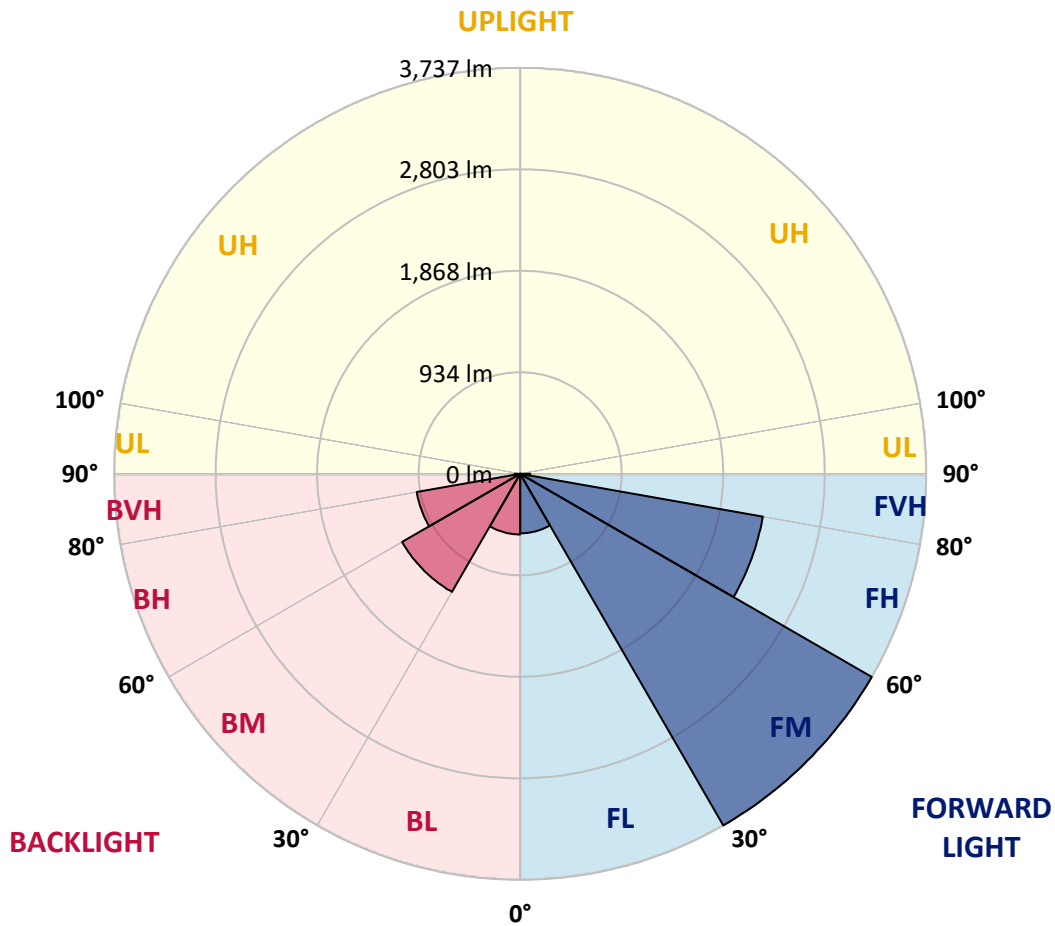
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	547.4	5.8			
FM (30°-60°)	3737.0	39.4			
FH (60°-80°)	2268.1	23.9			G2/5000
FVH (80°-90°)	92.0	1.0			G1/100
BL (0°-30°)	558.1	5.9	B2/1000		
BM (30°-60°)	1255.2	13.2	B2/2500		
BH (60°-80°)	966.9	10.2	B2/1000		G2/1000
BVH (80°-90°)	51.5	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	957.0	957.0	957.0	957.0	957.0	957.0	957.0	957.0	957.0	957.0	957.0
2.5°	959.1	957.0	963.3	963.3	963.3	961.2	959.1	961.2	961.2	959.1	961.2
5°	954.9	954.9	961.2	969.6	969.6	975.9	971.7	973.8	975.9	978.0	978.0
7.5°	927.5	933.8	940.1	952.7	965.4	982.3	992.8	1001.2	1003.3	1011.8	1018.1
10°	942.2	940.1	950.6	959.1	971.7	999.1	1016.0	1039.2	1035.0	1058.1	1068.7
12.5°	969.6	969.6	978.0	992.8	1009.7	1035.0	1047.6	1075.0	1077.1	1098.2	1119.3
15°	1003.3	1003.3	1018.1	1035.0	1060.2	1094.0	1110.8	1123.5	1134.0	1150.9	1172.0
17.5°	1064.5	1072.9	1075.0	1091.9	1112.9	1155.1	1182.5	1193.0	1193.0	1207.8	1226.8
20°	1180.4	1197.3	1182.5	1180.4	1184.6	1228.9	1256.3	1275.2	1273.1	1277.4	1279.5
22.5°	1338.5	1349.0	1334.3	1317.4	1292.1	1319.5	1344.8	1365.9	1353.2	1353.2	1334.3
25°	1545.1	1532.4	1519.8	1471.3	1424.9	1414.4	1450.2	1475.5	1469.2	1437.6	1395.4
27.5°	1760.1	1743.2	1713.7	1661.0	1585.1	1545.1	1553.5	1574.6	1583.0	1530.3	1462.8
30°	1966.6	1970.8	1935.0	1861.2	1764.3	1696.8	1686.3	1701.0	1696.8	1627.3	1530.3
32.5°	2259.6	2232.2	2202.7	2101.5	1958.2	1878.1	1844.4	1846.5	1846.5	1743.2	1608.3
35°	2588.4	2592.7	2506.2	2365.0	2190.1	2078.3	2025.6	2021.4	2010.9	1895.0	1720.0
37.5°	3058.5	3029.0	2923.6	2729.7	2480.9	2322.9	2232.2	2219.6	2209.0	2067.8	1861.2
40°	3467.4	3471.6	3362.0	3163.9	2845.6	2584.2	2474.6	2451.4	2447.2	2257.5	2023.5
42.5°	3741.4	3726.7	3722.5	3606.5	3294.6	3012.1	2771.8	2704.4	2672.8	2485.2	2217.5
45°	3870.0	3876.3	3895.3	3916.4	3770.9	3501.1	3151.2	2970.0	2942.6	2717.0	2428.2
47.5°	3945.9	3960.6	4019.7	4082.9	4148.2	4051.3	3543.3	3263.0	3239.8	2959.4	2645.4
50°	3899.5	3889.0	4030.2	4207.3	4415.9	4605.7	3994.4	3604.4	3574.9	3254.5	2887.8
52.5°	3412.6	3463.2	3775.2	4171.4	4584.6	4953.4	4508.7	3948.0	3922.7	3532.8	3104.9
55°	2757.1	2795.0	3121.7	3749.9	4599.3	5174.8	4907.1	4378.0	4344.3	3811.0	3353.6
57.5°	2091.0	2190.1	2554.7	3052.2	4163.0	5212.7	5214.8	4860.7	4746.9	4087.1	3577.0
60°	1403.8	1443.9	1892.8	2373.4	3343.0	4869.1	5370.8	5280.2	5189.5	4354.8	3783.6
62.5°	950.6	959.1	1228.9	1793.8	2472.5	4057.6	5379.2	5560.5	5467.8	4571.9	3952.2
65°	600.7	617.6	782.0	1201.5	1739.0	2575.8	5221.1	5714.4	5678.5	4723.7	4112.4
67.5°	457.4	461.6	533.3	727.2	1216.2	1549.3	4515.0	5577.4	5587.9	4835.4	4188.3
70°	390.0	396.3	455.3	503.8	836.8	832.6	2894.1	5261.2	5299.1	4875.5	4230.5
72.5°	309.9	320.4	385.7	463.7	613.4	567.0	1237.3	4453.9	4567.7	4742.7	4198.8
75°	227.6	234.0	290.9	377.3	480.6	436.3	491.1	3216.6	3515.9	4160.9	3994.4
77.5°	162.3	172.8	217.1	280.3	436.3	316.2	305.6	1585.1	1905.5	3161.8	3433.7
80°	113.8	111.7	145.4	189.7	271.9	236.1	181.3	535.4	687.2	1810.6	2234.3
82.5°	56.9	59.0	84.3	118.0	153.9	187.6	101.2	212.9	246.6	744.1	834.7
85°	25.3	25.3	35.8	42.2	69.6	69.6	48.5	78.0	86.4	204.5	75.9
87.5°	0.0	2.1	2.1	4.2	4.2	6.3	8.4	10.5	12.6	12.6	10.5
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°	957.0	957.0	957.0	957.0	957.0	957.0	957.0	957.0	957.0	957.0	957.0
2.5°	963.3	963.3	963.3	963.3	969.6	973.8	980.2	984.4	982.3	984.4	984.4
5°	982.3	984.4	992.8	1003.3	1018.1	1030.7	1051.8	1056.0	1066.6	1062.4	1072.9
7.5°	1022.3	1032.8	1047.6	1072.9	1100.3	1123.5	1142.5	1155.1	1163.5	1169.9	1163.5
10°	1081.3	1094.0	1123.5	1159.3	1193.0	1224.7	1237.3	1250.0	1247.8	1241.5	1239.4
12.5°	1134.0	1150.9	1197.3	1241.5	1285.8	1311.1	1300.5	1285.8	1273.1	1264.7	1262.6
15°	1188.8	1212.0	1262.6	1325.8	1361.7	1359.6	1330.1	1306.9	1304.8	1300.5	1296.3
17.5°	1243.6	1273.1	1338.5	1397.5	1420.7	1382.7	1353.2	1342.7	1346.9	1342.7	1340.6
20°	1294.2	1321.6	1397.5	1460.7	1450.2	1399.6	1380.6	1372.2	1361.7	1355.3	1351.1
22.5°	1342.7	1372.2	1458.6	1515.5	1479.7	1414.4	1391.2	1361.7	1351.1	1338.5	1334.3
25°	1389.1	1422.8	1509.2	1566.1	1479.7	1408.0	1359.6	1321.6	1298.4	1285.8	1285.8
27.5°	1456.5	1479.7	1559.8	1606.2	1462.8	1372.2	1285.8	1233.1	1197.3	1195.2	1195.2
30°	1507.1	1519.8	1602.0	1620.9	1424.9	1290.0	1180.4	1102.4	1064.5	1053.9	1051.8
32.5°	1574.6	1570.3	1637.8	1625.2	1376.4	1186.7	1041.3	952.7	904.3	889.5	881.1
35°	1658.9	1652.6	1711.6	1620.9	1309.0	1064.5	887.4	786.2	752.5	727.2	729.3
37.5°	1795.9	1753.7	1825.4	1618.8	1218.3	904.3	725.1	664.0	619.7	594.4	596.5
40°	1939.2	1878.1	1954.0	1623.0	1112.9	746.2	615.5	571.2	529.1	491.1	495.3
42.5°	2114.2	2040.4	2091.0	1589.3	988.6	621.8	548.0	516.4	480.6	453.2	457.4
45°	2310.2	2204.8	2219.6	1555.6	847.4	554.4	527.0	503.8	472.2	436.3	438.4
47.5°	2525.2	2405.1	2316.5	1502.9	735.6	539.6	545.9	510.1	440.5	396.3	396.3
50°	2740.2	2620.1	2396.6	1420.7	664.0	575.4	543.8	457.4	402.6	375.2	371.0
52.5°	2961.5	2883.5	2443.0	1338.5	642.9	573.3	499.6	432.1	385.7	354.1	349.9
55°	3208.1	3168.1	2512.6	1247.8	581.8	552.3	478.5	413.1	362.6	337.3	330.9
57.5°	3440.0	3494.8	2577.9	1150.9	497.5	503.8	455.3	398.4	354.1	335.1	330.9
60°	3705.6	3825.7	2664.3	1072.9	430.0	467.9	446.9	406.8	362.6	339.4	335.1
62.5°	3937.5	4139.8	2773.9	975.9	383.6	446.9	451.1	396.3	347.8	326.7	320.4
65°	4224.1	4437.0	2881.4	820.0	343.6	425.8	438.4	364.7	312.0	297.2	290.9
67.5°	4428.6	4620.4	2938.3	596.5	305.6	383.6	400.5	324.6	269.8	261.4	257.2
70°	4546.6	4576.1	2908.8	415.2	265.6	324.6	356.2	284.6	238.2	231.9	225.5
72.5°	4460.2	4276.8	2698.0	288.8	229.8	278.2	309.9	255.0	200.2	191.8	187.6
75°	4106.1	3707.7	2166.9	212.9	200.2	236.1	261.4	215.0	160.2	145.4	143.3
77.5°	3336.7	2828.7	1399.6	168.6	166.5	191.8	208.7	168.6	122.3	115.9	109.6
80°	2027.8	1728.4	594.4	126.5	126.5	139.1	153.9	132.8	92.7	80.1	78.0
82.5°	760.9	592.3	196.0	82.2	80.1	99.1	120.1	90.6	52.7	44.3	40.0
85°	56.9	69.6	71.7	40.0	35.8	40.0	48.5	25.3	14.8	10.5	10.5
87.5°	8.4	8.4	8.4	6.3	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)