

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: P286979

Luminaire Tested: **PRV-C25-D-UNV-T4-BZ-7050**

Issue Date: 3/4/2019

Test Information

Test Method: LM-79-08
Report Number: P286979
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-8)
Test Lab: INNOVATIONS CENTER(G2)
Issue Date: 3/4/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-C25-D-UNV-T4-BZ-7050
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5000K LEDS AND TYPE IV OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13378 lumens
Efficiency: N/A
Efficacy: 139.4 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

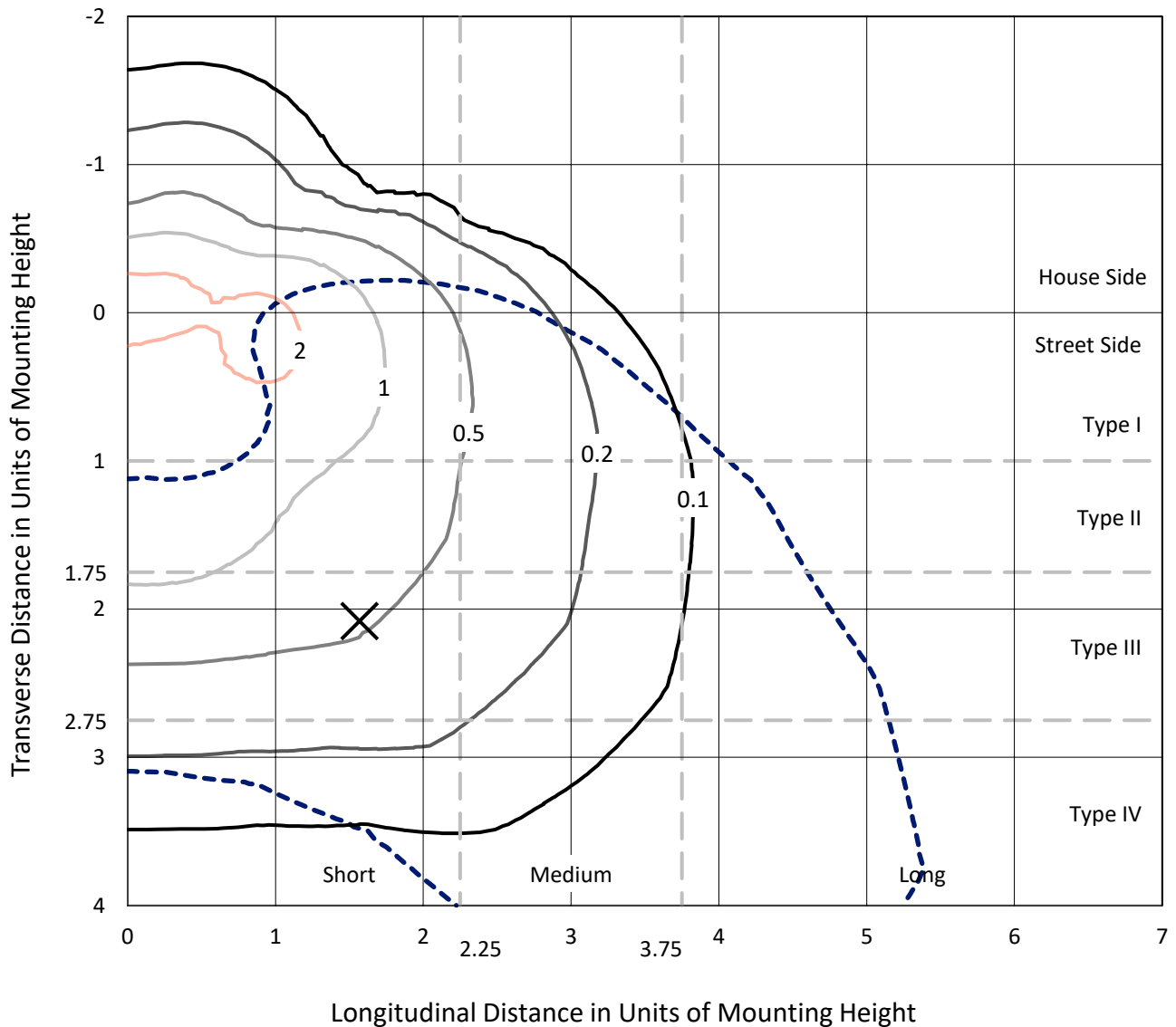
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

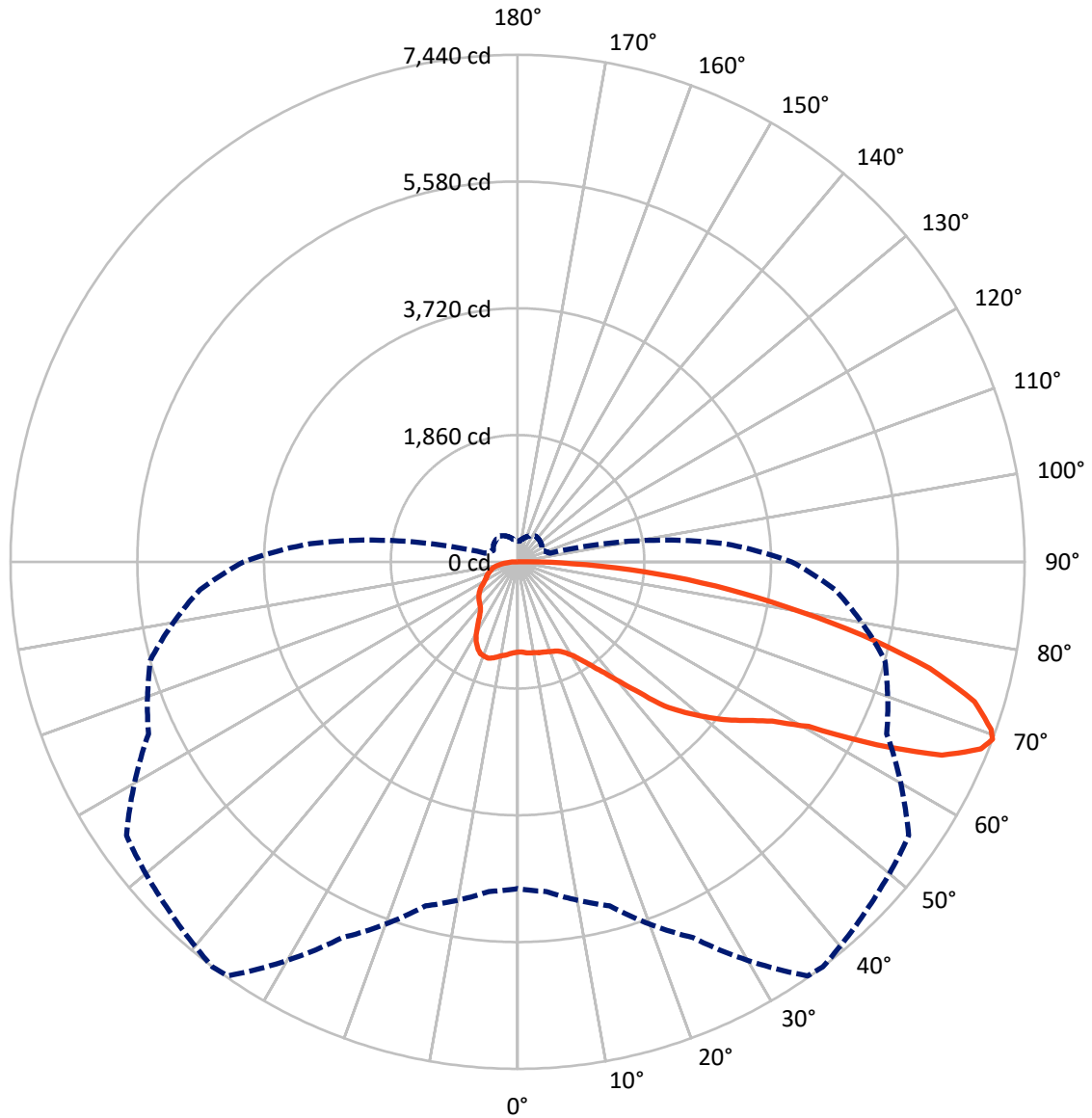
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 37-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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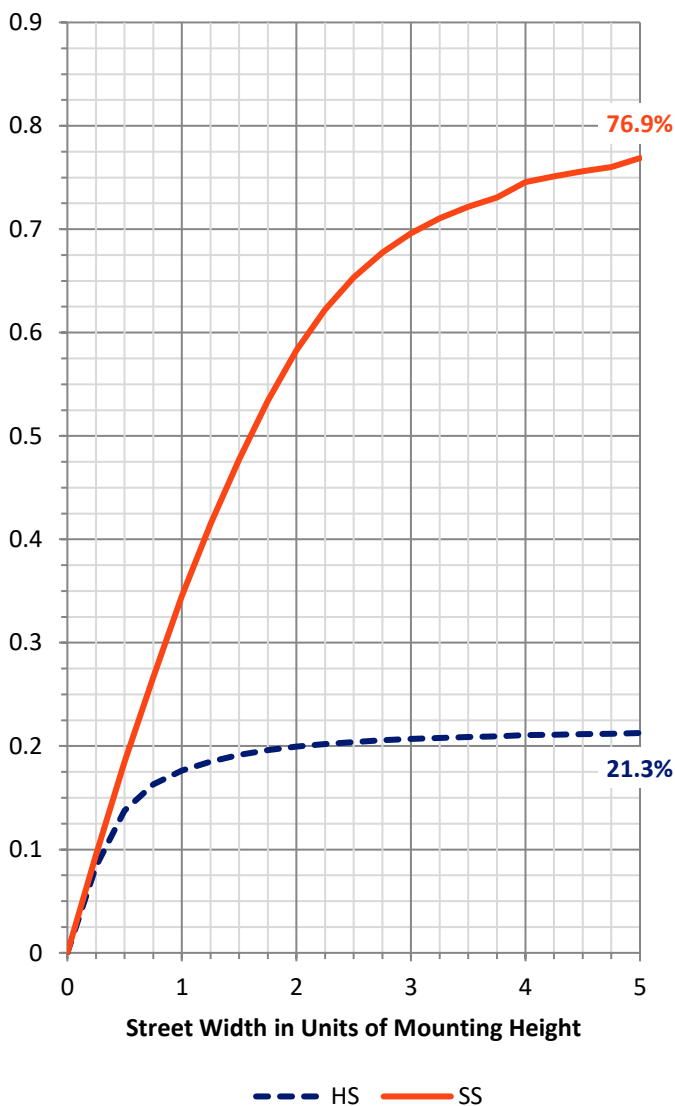
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2884.7	0.0	2884.7
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	10493.3	0.0	10493.3
	% Fixture	78.4	0.0	78.4
Total	Lumens	13378.0	0.0	13378.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.3	1.0
10°-20°	404.2	3.0
20°-30°	690.7	5.2
30°-40°	1094.9	8.2
40°-50°	1860.5	13.9
50°-60°	2637.8	19.7
60°-70°	3356.7	25.1
70°-80°	2576.1	19.3
80°-90°	627.9	4.7
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°	13378.0	100.0
0°-180°	13378.0	100.0

Coefficient of Utilization

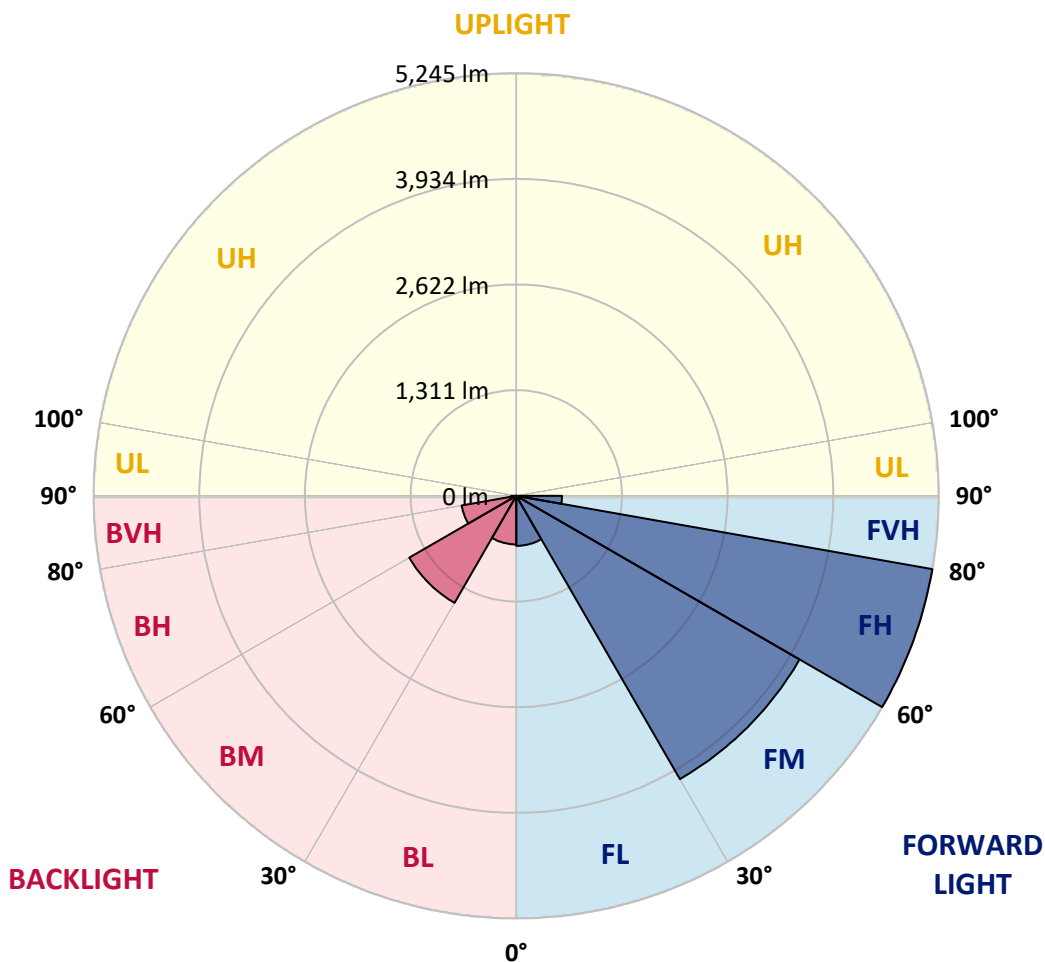


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	621.0	4.6			
FM (30°-60°)	4060.0	30.3			
FH (60°-80°)	5244.7	39.2			G3/7500
FVH (80°-90°)	567.6	4.2			G4/750
BL (0°-30°)	603.2	4.5	B2/1000		
BM (30°-60°)	1533.1	11.5	B2/2500		
BH (60°-80°)	688.1	5.1	B2/1000		G2/1000
BVH (80°-90°)	60.3	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-G4
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	1324.8	1324.8	1324.8	1324.8	1324.8	1324.8	1324.8	1324.8	1324.8	1324.8	1324.8
2.5°	1350.4	1343.1	1343.1	1328.0	1328.0	1326.7	1330.0	1322.1	1320.8	1319.5	1314.9
5°	1367.4	1364.8	1355.6	1344.5	1349.7	1342.5	1342.5	1332.0	1332.6	1331.3	1324.1
7.5°	1363.5	1368.1	1367.4	1354.3	1350.4	1352.3	1353.0	1353.6	1347.1	1346.4	1341.2
10°	1375.9	1371.4	1373.3	1353.0	1358.2	1353.6	1360.9	1360.2	1360.2	1360.2	1354.3
12.5°	1349.7	1355.0	1356.9	1360.2	1370.0	1370.0	1381.9	1386.4	1396.3	1402.9	1395.0
15°	1342.5	1337.9	1356.9	1355.0	1377.9	1375.9	1395.0	1420.6	1429.1	1446.8	1451.4
17.5°	1338.5	1347.7	1362.2	1361.5	1383.8	1388.4	1414.7	1443.5	1467.8	1497.3	1507.8
20°	1349.7	1349.7	1364.8	1371.4	1405.5	1405.5	1433.0	1469.1	1507.2	1550.5	1572.8
22.5°	1385.1	1386.4	1400.2	1393.0	1414.7	1422.5	1446.2	1486.8	1545.9	1593.1	1639.1
25°	1405.5	1413.3	1429.8	1427.8	1448.8	1454.7	1482.9	1535.4	1599.0	1661.4	1738.1
27.5°	1452.7	1453.4	1466.5	1462.6	1512.4	1515.1	1540.6	1580.7	1673.2	1744.7	1852.3
30°	1521.0	1524.9	1533.4	1545.2	1597.1	1594.4	1611.5	1664.7	1753.9	1850.3	1996.7
32.5°	1669.2	1660.7	1650.2	1652.2	1703.4	1717.8	1750.6	1813.6	1923.8	2040.6	2198.8
35°	1921.9	1916.6	1878.6	1833.9	1851.7	1868.7	1922.5	2043.3	2213.2	2487.5	2628.5
37.5°	2251.9	2267.7	2196.1	2101.0	2062.3	2066.2	2116.1	2279.5	2557.0	3075.4	3164.6
40°	2669.9	2646.3	2558.3	2431.0	2333.3	2312.9	2328.7	2538.0	2941.5	3593.7	3610.8
42.5°	2975.0	2978.3	2878.5	2786.0	2658.1	2620.0	2593.8	2791.9	3339.2	3993.3	3933.0
45°	3328.7	3354.2	3245.3	3150.2	3060.3	3020.9	2981.6	3102.9	3750.6	4310.9	4207.2
47.5°	3628.5	3633.1	3492.7	3421.8	3322.1	3304.4	3266.3	3383.1	4085.2	4560.2	4418.5
50°	3906.7	3954.6	3772.2	3671.2	3587.8	3576.7	3590.5	3700.7	4411.3	4776.1	4589.1
52.5°	4384.4	4310.9	4097.7	3907.4	3855.5	3856.2	3853.6	4033.4	4748.6	4957.9	4729.5
55°	4824.7	4681.6	4446.1	4232.2	4105.5	4106.8	4129.2	4349.0	5028.1	5133.1	4825.3
57.5°	5100.3	5179.0	4963.1	4642.3	4402.8	4406.7	4406.1	4644.2	5268.2	5287.3	4899.5
60°	5502.5	5596.3	5539.9	5299.1	4977.6	4906.7	4727.6	4977.6	5514.9	5434.9	4978.2
62.5°	5796.4	5866.0	6022.8	5888.3	5906.7	5913.9	5350.9	5357.5	5691.5	5556.9	4995.3
65°	5797.1	5795.8	6159.9	6327.9	6765.6	6841.7	6604.8	5882.4	5858.8	5576.6	4929.7
67.5°	5243.3	5277.4	5660.6	6284.6	7274.7	7331.8	7180.3	6712.4	5945.4	5598.9	4823.4
69°	4795.8	4856.2	5226.9	6085.1	7419.1	7440.1	7235.4	7005.1	5976.9	5579.9	4675.1
70°	4499.9	4502.5	4880.5	5839.1	7346.3	7369.9	7231.4	7054.9	5950.0	5526.1	4558.3
72.5°	3551.1	3588.5	3923.1	4960.5	6988.7	7011.6	6963.7	6923.7	5911.3	5287.9	3920.5
75°	2596.4	2621.3	2927.1	3885.7	6111.4	6249.8	6459.8	6684.2	5508.4	4547.1	2951.4
77.5°	1820.8	1853.6	2168.6	2949.4	4977.6	5167.8	5640.9	5850.9	4667.2	3561.6	1645.6
80°	1215.8	1256.5	1542.6	2196.8	3789.3	3983.5	4530.7	4621.3	3570.1	2136.4	326.1
82.5°	773.6	784.1	1011.8	1552.5	2818.2	2929.7	3127.9	2938.2	1892.3	486.9	96.5
85°	451.4	470.5	612.2	974.4	1737.5	1864.8	1951.4	1458.0	457.3	65.6	51.8
87.5°	169.9	177.8	248.0	421.2	813.0	800.5	776.9	492.1	82.0	30.2	23.6
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°	1324.8	1324.8	1324.8	1324.8	1324.8	1324.8	1324.8	1324.8	1324.8	1324.8	1324.8
2.5°	1314.3	1326.1	1320.2	1317.6	1316.2	1322.8	1335.3	1332.0	1330.0	1351.7	1353.6
5°	1324.1	1340.5	1339.9	1342.5	1338.5	1346.4	1352.3	1354.3	1356.3	1379.2	1382.5
7.5°	1342.5	1349.7	1352.3	1362.8	1356.9	1369.4	1379.9	1369.4	1379.2	1395.6	1398.9
10°	1358.9	1370.0	1370.7	1387.1	1381.2	1393.0	1395.6	1395.6	1403.5	1422.5	1419.3
12.5°	1398.3	1398.9	1421.9	1423.2	1431.1	1430.4	1425.2	1410.1	1402.9	1428.4	1430.4
15°	1455.3	1462.6	1492.1	1490.1	1480.3	1475.0	1452.7	1415.3	1393.7	1389.7	1389.7
17.5°	1524.2	1526.2	1564.3	1556.4	1540.6	1506.5	1469.8	1403.5	1342.5	1322.8	1311.0
20°	1580.7	1597.1	1643.7	1616.8	1589.2	1534.1	1453.4	1362.2	1267.7	1219.8	1207.3
22.5°	1657.4	1689.6	1716.5	1677.1	1619.4	1539.3	1433.0	1301.8	1177.8	1103.0	1089.9
25°	1766.4	1784.7	1783.4	1715.2	1624.0	1522.9	1374.6	1216.5	1064.9	982.9	958.6
27.5°	1878.6	1891.7	1836.6	1744.0	1608.2	1476.3	1298.5	1105.0	950.8	877.3	858.9
30°	2005.9	1992.7	1877.9	1731.6	1566.9	1394.3	1191.6	982.3	851.7	786.7	776.9
32.5°	2202.0	2134.5	1914.6	1702.7	1492.1	1281.5	1061.0	894.3	787.4	711.3	698.1
35°	2542.6	2399.5	1980.3	1677.1	1401.5	1154.8	948.8	833.3	730.3	640.4	623.3
37.5°	2982.9	2755.2	2103.6	1633.2	1294.6	1031.5	877.3	782.1	687.0	587.3	568.2
40°	3414.6	3127.2	2269.6	1589.2	1193.5	947.5	836.6	761.8	669.9	567.6	547.2
42.5°	3729.6	3425.1	2450.7	1547.2	1095.8	881.9	816.3	755.9	670.6	570.9	551.8
45°	3967.1	3661.3	2634.4	1489.5	981.6	831.3	797.2	750.0	669.9	574.1	550.5
47.5°	4176.4	3816.2	2761.1	1413.3	873.3	792.0	774.3	727.7	653.5	560.4	540.0
50°	4324.0	3963.2	2843.8	1347.1	790.0	757.2	742.1	691.6	614.8	533.5	509.8
52.5°	4428.4	4058.3	2853.6	1330.7	727.0	727.0	703.4	650.9	576.8	494.7	471.8
55°	4537.9	4112.8	2811.0	1269.7	660.7	677.1	662.1	623.3	551.8	467.8	453.4
57.5°	4533.3	4085.2	2725.7	1020.3	586.6	603.7	609.6	599.1	542.6	474.4	460.6
60°	4563.5	4057.0	2583.9	709.3	516.4	542.6	567.6	567.6	513.8	433.1	418.6
62.5°	4547.8	3992.0	2281.4	500.0	460.6	502.6	534.1	509.8	457.3	389.1	379.9
65°	4445.4	3807.0	1711.2	424.5	440.9	479.6	508.5	471.1	417.3	351.7	345.1
67.5°	4258.4	3466.4	910.1	397.0	432.4	463.9	479.6	439.0	385.8	319.5	312.3
69°	4020.2	3054.4	488.2	393.0	431.1	450.8	461.9	419.9	362.2	303.8	303.8
70°	3773.5	2728.3	315.6	395.0	425.8	442.9	449.5	406.8	348.4	287.4	284.8
72.5°	2956.6	1754.5	263.8	375.3	410.1	418.0	417.3	372.0	305.8	218.5	222.4
75°	1794.6	535.4	252.0	343.2	383.8	400.3	389.8	312.3	238.2	183.1	183.1
77.5°	488.2	187.7	238.8	313.0	350.4	355.0	351.7	290.7	212.6	151.6	152.9
80°	145.7	145.7	222.4	261.1	297.2	318.2	301.8	255.2	170.6	80.1	82.7
82.5°	84.0	94.5	186.3	183.7	240.2	239.5	239.5	182.4	115.5	52.5	42.6
85°	44.6	66.9	101.0	105.6	112.9	127.3	172.6	157.5	87.3	23.6	5.2
87.5°	25.6	38.1	27.6	19.7	41.3	75.5	111.5	107.0	72.8	0.7	0.0
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)