

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: P510983

Luminaire Tested: **PRV-P-C20-D-UNV-T2-7050-HSS**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510983  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/7/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: PRV-P-C20-D-UNV-T2-7050-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 5000K, 1300mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9104 lumens  
Efficiency: N/A  
Efficacy: 125.1 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

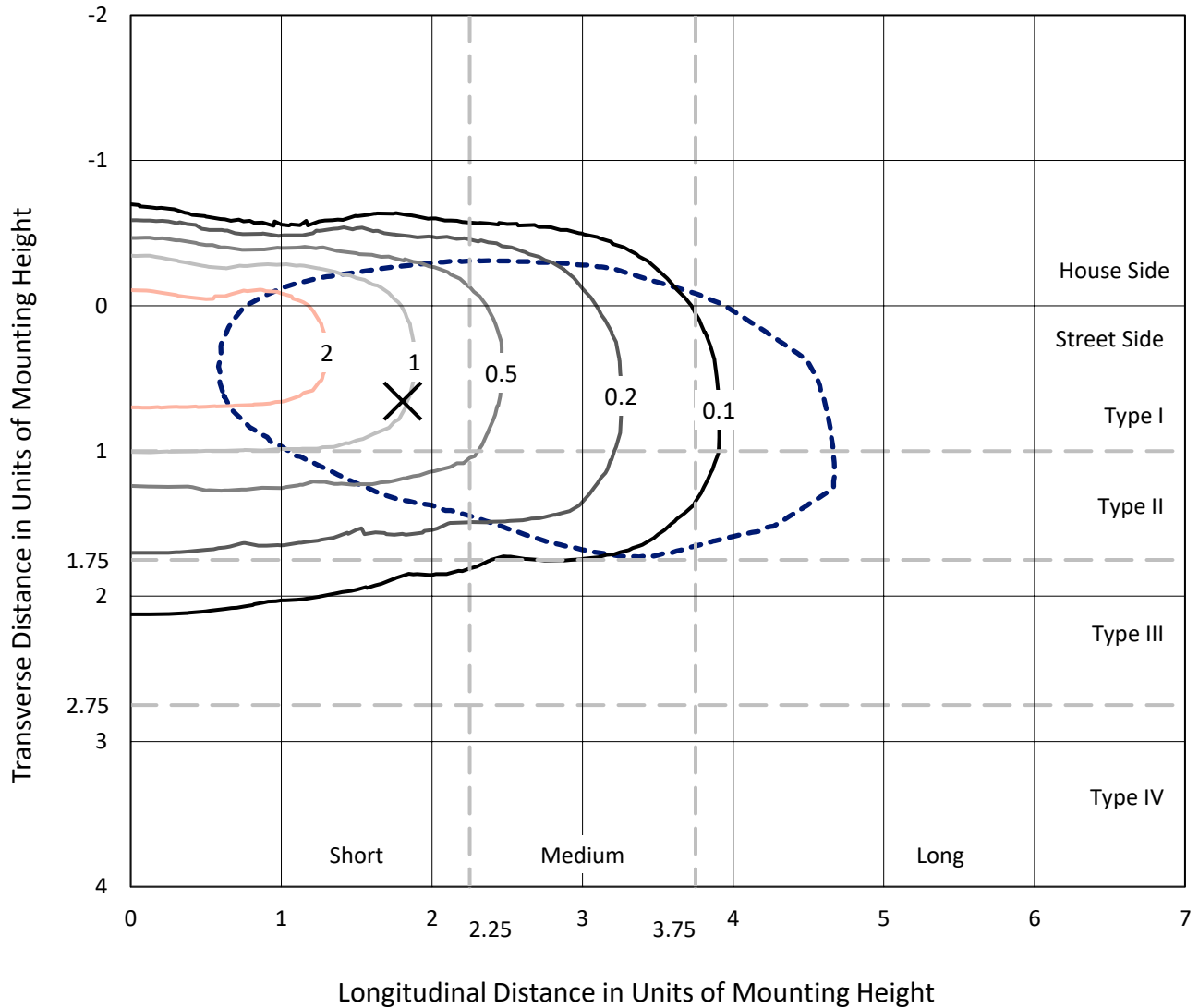
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P510983  
 CATALOG NUMBER: PRV-P-C20-D-UNV-T2-7050-HSS

### Iso-Footcandle Lines of Horizontal Illumination

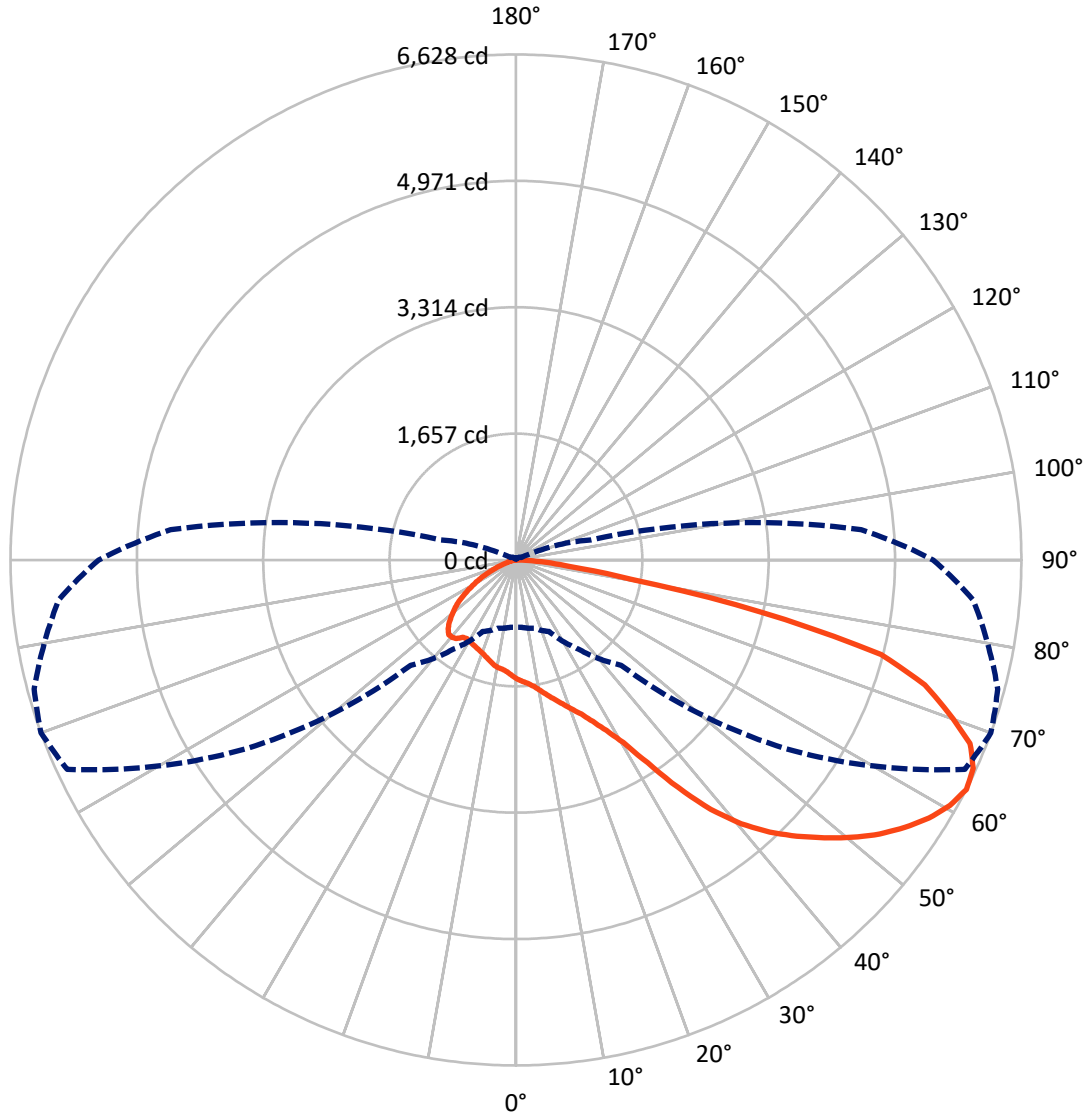
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc  
 Type II - Short - N/A

REPORT NUMBER: P510983  
CATALOG NUMBER: PRV-P-C20-D-UNV-T2-7050-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P510983  
 CATALOG NUMBER: PRV-P-C20-D-UNV-T2-7050-HSS

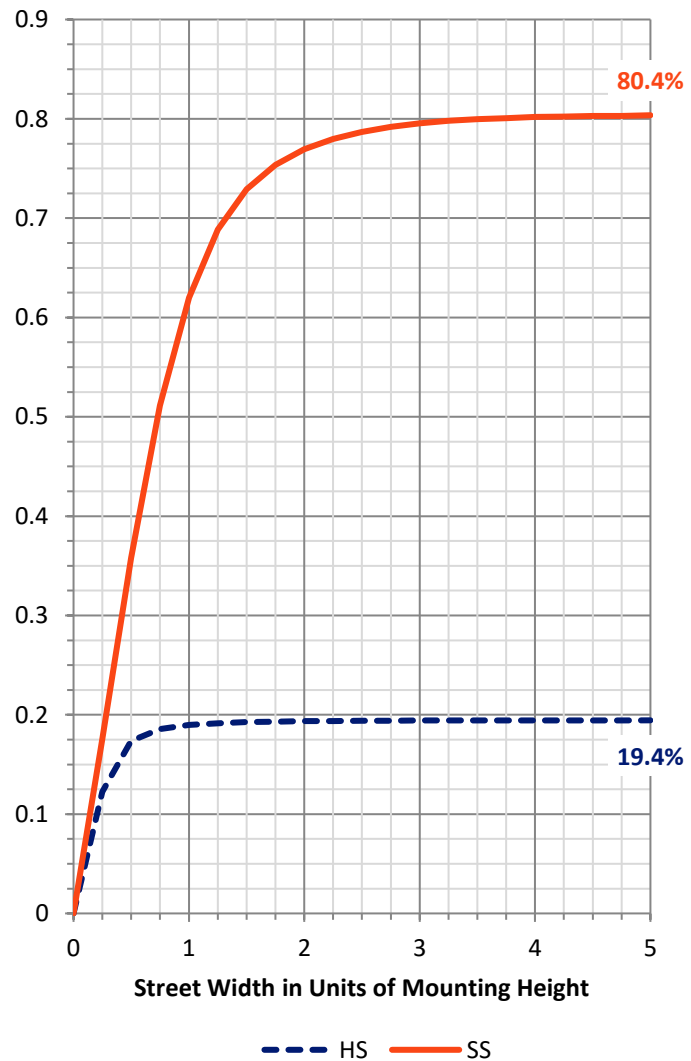
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1790.9	0.0	1790.9
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	7313.1	0.0	7313.1
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	9104.0	0.0	9104.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	148.4	1.6
10°-20°	446.4	4.9
20°-30°	754.7	8.3
30°-40°	1157.0	12.7
40°-50°	1613.4	17.7
50°-60°	1879.3	20.6
60°-70°	1846.2	20.3
70°-80°	1110.7	12.2
80°-90°	148.0	1.6
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°	9104.0	100.0
0°-180°	9104.0	100.0

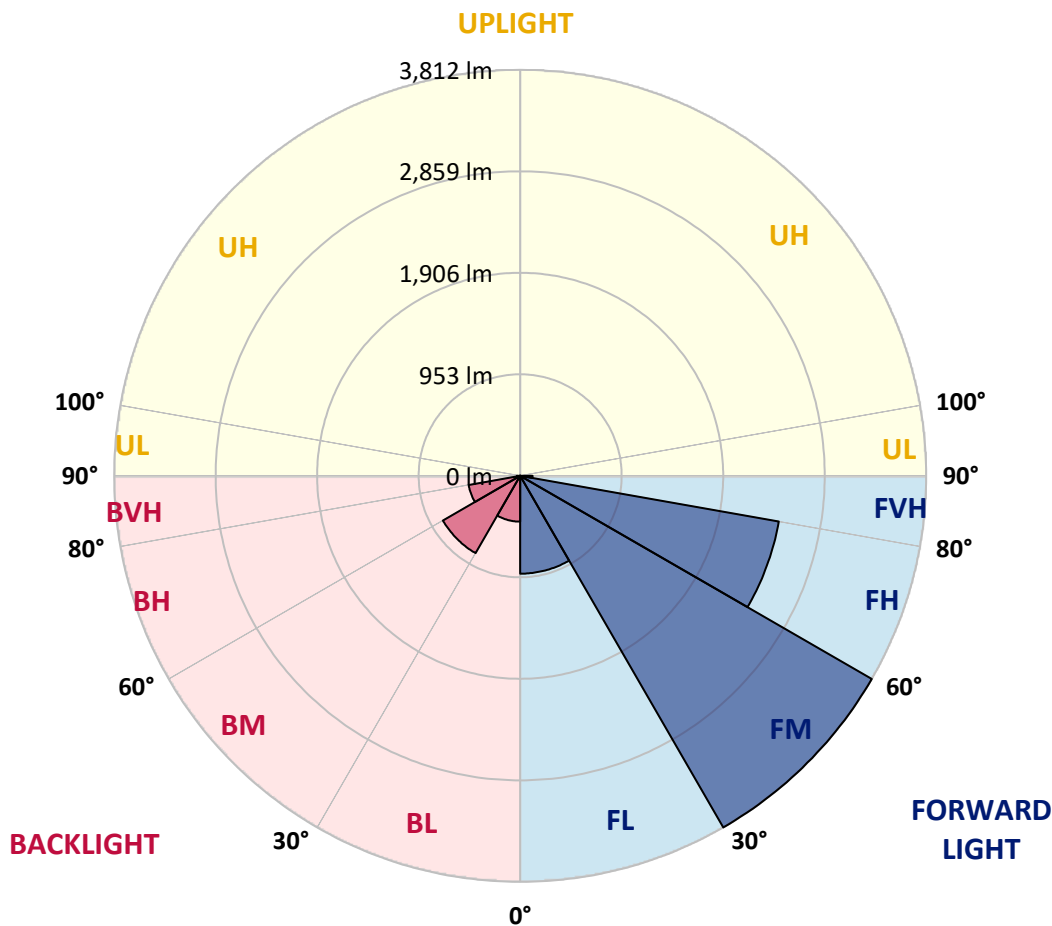


REPORT NUMBER: P510983  
 CATALOG NUMBER: PRV-P-C20-D-UNV-T2-7050-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	919.0	10.1			
FM (30°-60°)	3811.8	41.9			
FH (60°-80°)	2465.5	27.1			G2/5000
FVH (80°-90°)	116.8	1.3			G2/225
BL (0°-30°)	430.5	4.7	B1/500		
BM (30°-60°)	837.9	9.2	B1/1000		
BH (60°-80°)	491.3	5.4	B1/500		G1/500
BVH (80°-90°)	31.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type II Short





REPORT NUMBER: P510983

CATALOG NUMBER: PRV-P-C20-D-UNV-T2-7050-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7
2.5°	1668.6	1668.6	1662.5	1654.4	1646.2	1636.0	1619.8	1603.5	1593.3	1585.2	1564.8
5°	1784.6	1780.5	1768.3	1745.9	1719.5	1697.1	1670.6	1638.1	1623.8	1605.5	1568.9
7.5°	1880.2	1878.2	1863.9	1849.7	1827.3	1796.8	1748.0	1691.0	1672.7	1648.2	1589.2
10°	1971.8	1971.8	1961.6	1945.3	1920.9	1892.4	1847.7	1784.6	1739.8	1701.2	1621.8
12.5°	2051.2	2051.2	2036.9	2022.7	2000.3	1969.8	1927.0	1859.9	1813.1	1770.3	1656.4
15°	2136.6	2130.5	2116.3	2108.1	2075.6	2049.1	2010.5	1939.2	1896.5	1839.5	1697.1
17.5°	2222.1	2213.9	2195.6	2187.5	2161.0	2130.5	2098.0	2034.9	1984.0	1918.9	1754.1
20°	2287.2	2283.1	2270.9	2268.9	2254.6	2218.0	2195.6	2132.5	2083.7	2010.5	1817.1
22.5°	2362.5	2360.5	2354.3	2344.2	2348.2	2338.1	2307.5	2252.6	2195.6	2128.5	1906.7
25°	2395.0	2397.1	2409.3	2433.7	2452.0	2450.0	2431.7	2391.0	2346.2	2266.8	2016.6
27.5°	2413.4	2413.4	2433.7	2496.8	2574.1	2580.2	2572.1	2566.0	2529.3	2441.8	2165.1
30°	2417.4	2419.5	2460.2	2545.6	2669.8	2724.7	2745.0	2787.8	2779.6	2722.7	2393.0
32.5°	2382.8	2386.9	2443.9	2568.0	2738.9	2861.0	2928.2	3119.5	3170.3	3174.4	2873.2
35°	2260.7	2264.8	2362.5	2545.6	2791.8	2997.4	3162.2	3506.1	3662.8	3695.3	3333.1
37.5°	2140.7	2157.0	2270.9	2502.9	2826.4	3127.6	3422.7	3968.0	4147.1	4124.7	3699.4
40°	2043.0	2055.2	2171.2	2431.7	2828.5	3251.7	3699.4	4370.9	4545.9	4476.7	4022.9
42.5°	1929.1	1939.2	2049.1	2338.1	2800.0	3355.5	3951.7	4753.5	4875.6	4804.3	4324.1
45°	1796.8	1809.0	1920.9	2197.7	2741.0	3422.7	4177.6	5050.6	5166.5	5107.5	4598.8
47.5°	1682.8	1693.0	1796.8	2051.2	2627.0	3441.0	4399.4	5370.0	5443.3	5368.0	4845.0
50°	1318.6	1379.6	1654.4	1920.9	2448.0	3402.3	4582.5	5642.7	5716.0	5644.7	5072.9
52.5°	1159.9	1166.0	1277.9	1782.5	2228.2	3290.4	4722.9	5880.8	5972.4	5878.7	5321.2
55°	1082.6	1088.7	1145.6	1550.6	2043.0	3103.2	4816.5	6120.9	6188.1	6080.2	5541.0
57.5°	1015.4	1027.6	1086.6	1233.1	1855.8	2765.4	4816.5	6320.3	6385.4	6255.2	5722.1
60°	940.1	948.3	1017.4	1123.3	1648.2	2313.7	4641.5	6470.9	6538.0	6424.1	5895.0
62.5°	879.1	887.2	927.9	1035.8	1424.4	1951.4	4309.9	6493.3	6627.6	6540.1	6019.2
65°	803.8	809.9	856.7	950.3	1275.9	1701.2	3866.3	6375.3	6588.9	6572.6	6088.3
67.5°	710.2	722.4	769.2	852.6	1102.9	1499.7	3174.4	6234.9	6422.1	6434.3	5939.8
70°	594.2	602.3	651.2	738.7	923.8	1263.7	2356.4	5872.6	6021.2	6118.9	5618.3
72.5°	466.0	474.1	525.0	606.4	746.8	1050.0	1731.7	5300.8	5608.1	5671.2	5020.0
75°	67.2	85.5	168.9	329.6	598.3	813.9	1137.5	4071.8	4944.7	4987.5	4246.8
77.5°	40.7	42.7	65.1	101.7	179.1	545.3	757.0	2083.7	3288.4	3856.1	3320.9
80°	30.5	32.6	50.9	79.4	116.0	154.7	366.3	1145.6	1532.3	2159.0	2199.7
82.5°	16.3	18.3	34.6	57.0	71.2	67.2	154.7	500.6	708.1	903.5	1107.0
85°	10.2	10.2	18.3	30.5	28.5	34.6	71.2	260.5	400.9	512.8	553.5
87.5°	4.1	4.1	6.1	10.2	10.2	8.1	12.2	61.0	79.4	97.7	61.0
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: P510983  
 CATALOG NUMBER: PRV-P-C20-D-UNV-T2-7050-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7	1558.7
2.5°	1554.6	1544.5	1526.2	1503.8	1485.5	1471.2	1461.0	1454.9	1444.8	1448.8	1452.9
5°	1548.5	1528.2	1489.5	1452.9	1418.3	1389.8	1363.4	1345.1	1330.8	1324.7	1322.7
7.5°	1558.7	1526.2	1469.2	1416.3	1365.4	1312.5	1282.0	1245.3	1225.0	1220.9	1216.9
10°	1579.1	1542.4	1469.2	1391.9	1314.5	1243.3	1188.4	1149.7	1117.1	1102.9	1096.8
12.5°	1599.4	1546.5	1452.9	1353.2	1251.4	1163.9	1092.7	1031.7	997.1	993.0	982.8
15°	1625.9	1558.7	1426.4	1302.3	1178.2	1070.3	993.0	938.1	899.4	893.3	891.3
17.5°	1664.5	1579.1	1410.2	1251.4	1107.0	982.8	913.7	875.0	816.0	813.9	803.8
20°	1713.4	1613.7	1406.1	1196.5	1035.8	909.6	838.4	801.7	738.7	712.2	708.1
22.5°	1782.5	1658.4	1404.1	1149.7	970.6	846.5	761.0	695.9	626.7	567.7	555.5
25°	1866.0	1713.4	1408.1	1111.0	907.6	777.3	651.2	533.1	461.9	409.0	388.7
27.5°	1971.8	1786.6	1414.2	1072.4	844.5	685.8	506.7	380.5	317.4	282.8	274.7
30°	2154.9	1890.4	1422.4	1031.7	777.3	553.5	348.0	274.7	221.8	183.1	183.1
32.5°	2533.4	2171.2	1438.7	993.0	695.9	411.0	252.3	187.2	138.4	118.0	122.1
35°	2968.9	2553.8	1513.9	940.1	586.0	272.7	170.9	114.0	87.5	91.6	95.6
37.5°	3327.0	2850.9	1693.0	887.2	441.6	191.3	103.8	79.4	79.4	81.4	95.6
40°	3624.1	3137.8	1819.2	811.9	291.0	118.0	67.2	73.3	69.2	71.2	67.2
42.5°	3923.2	3377.9	1918.9	712.2	187.2	71.2	61.0	69.2	65.1	65.1	57.0
45°	4175.6	3595.6	1969.8	567.7	105.8	59.0	57.0	65.1	63.1	61.0	52.9
47.5°	4421.8	3803.2	1994.2	392.7	67.2	52.9	52.9	59.0	59.0	50.9	46.8
50°	4651.7	3982.2	1982.0	215.7	63.1	50.9	52.9	48.8	50.9	40.7	36.6
52.5°	4873.5	4136.9	1884.3	130.2	59.0	50.9	46.8	42.7	40.7	30.5	30.5
55°	5056.7	4265.1	1705.2	101.7	59.0	48.8	42.7	36.6	32.6	24.4	26.5
57.5°	5219.5	4395.3	1463.1	93.6	61.0	46.8	38.7	32.6	26.5	20.3	18.3
60°	5376.1	4509.3	1233.1	85.5	63.1	46.8	32.6	26.5	18.3	16.3	14.2
62.5°	5471.8	4545.9	1021.5	77.3	63.1	42.7	30.5	22.4	14.2	12.2	10.2
65°	5449.4	4458.4	801.7	73.3	61.0	38.7	26.5	18.3	12.2	8.1	8.1
67.5°	5237.8	4155.2	582.0	71.2	59.0	38.7	24.4	14.2	10.2	6.1	6.1
70°	4763.6	3703.5	400.9	65.1	52.9	32.6	24.4	12.2	8.1	6.1	4.1
72.5°	4169.5	3276.1	268.6	57.0	42.7	24.4	14.2	10.2	6.1	4.1	4.1
75°	3571.2	2602.6	185.2	44.8	32.6	20.3	10.2	8.1	6.1	4.1	2.0
77.5°	2682.0	1876.2	138.4	34.6	24.4	12.2	6.1	4.1	4.1	2.0	2.0
80°	1851.7	1290.1	107.8	18.3	8.1	6.1	4.1	4.1	2.0	2.0	2.0
82.5°	991.0	687.8	67.2	12.2	4.1	4.1	2.0	2.0	2.0	2.0	2.0
85°	470.1	278.8	22.4	6.1	4.1	2.0	2.0	2.0	2.0	2.0	2.0
87.5°	46.8	14.2	6.1	4.1	4.1	2.0	0.0	2.0	2.0	2.0	2.0
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)