

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: P510988

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

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510988  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-2)  
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  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 4000K, 1300mA LED AND TYPE II OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9542 lumens  
Efficiency: N/A  
Efficacy: 131.1 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

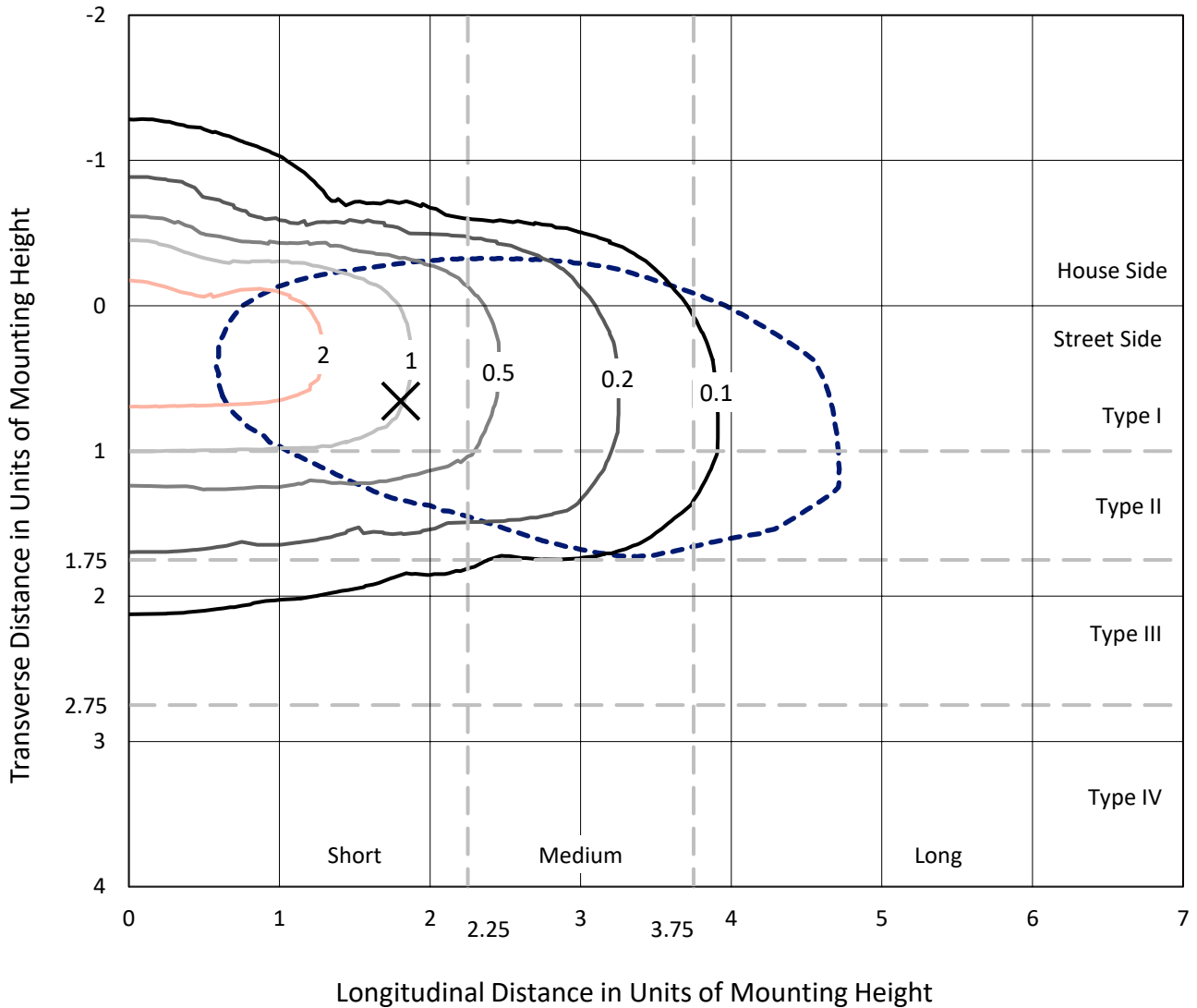
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

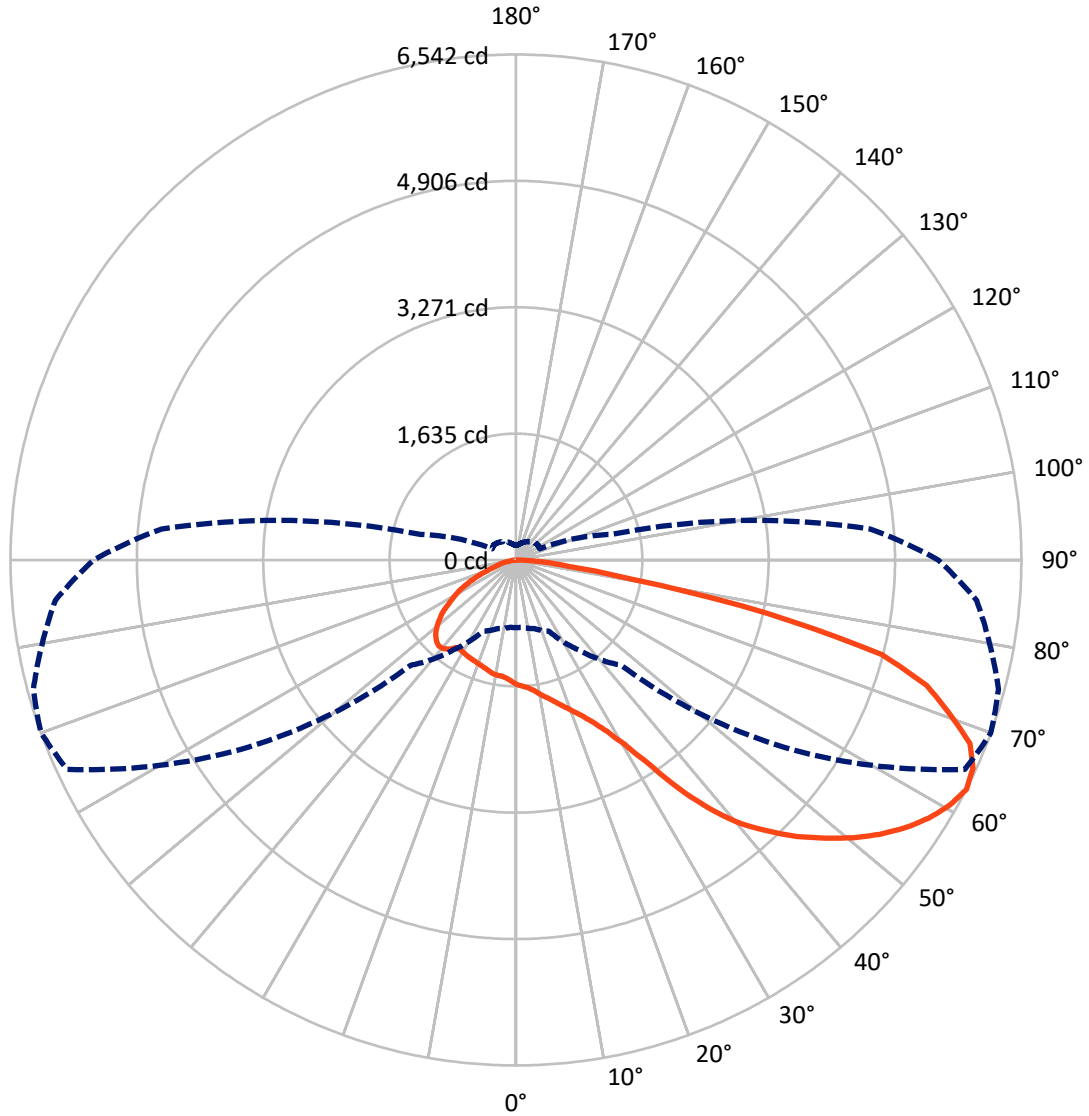
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



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

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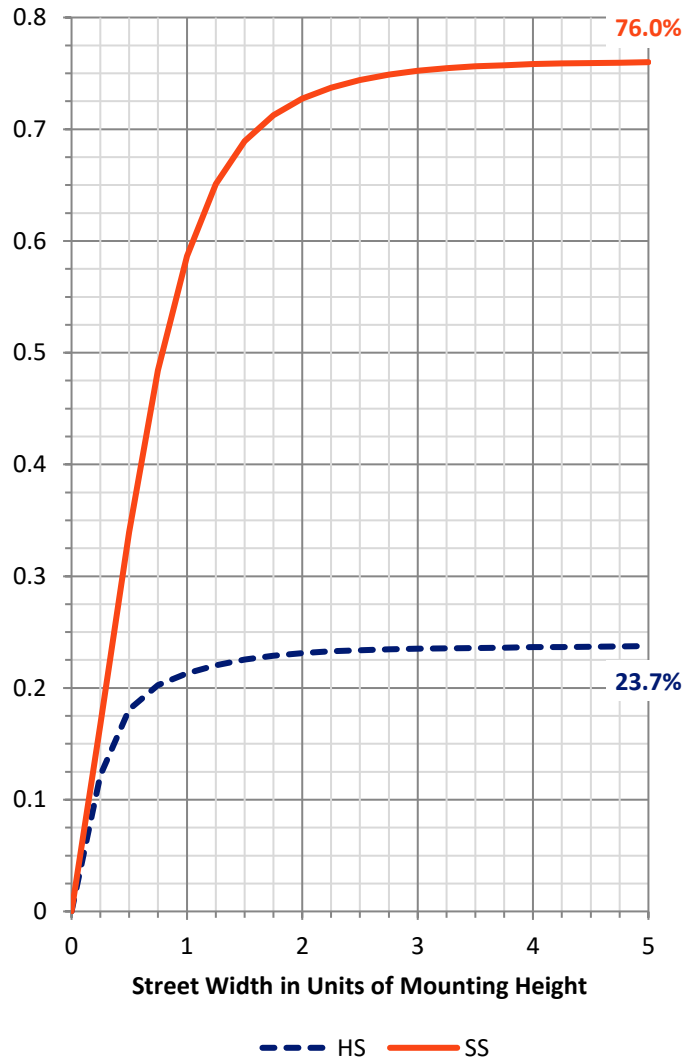
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2292.6	0.0	2292.6
	% Fixture	24.0	0.0	24.0
<b>Street Side</b>	Lumens	7249.4	0.0	7249.4
	% Fixture	76.0	0.0	76.0
<b>Total</b>	Lumens	9542.0	0.0	9542.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.5	1.6
10°-20°	473.9	5.0
20°-30°	805.9	8.4
30°-40°	1218.4	12.8
40°-50°	1681.4	17.6
50°-60°	1963.4	20.6
60°-70°	1928.2	20.2
70°-80°	1157.6	12.1
80°-90°	158.6	1.7
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°	9542.0	100.0
0°-180°	9542.0	100.0

**Coefficient of Utilization**



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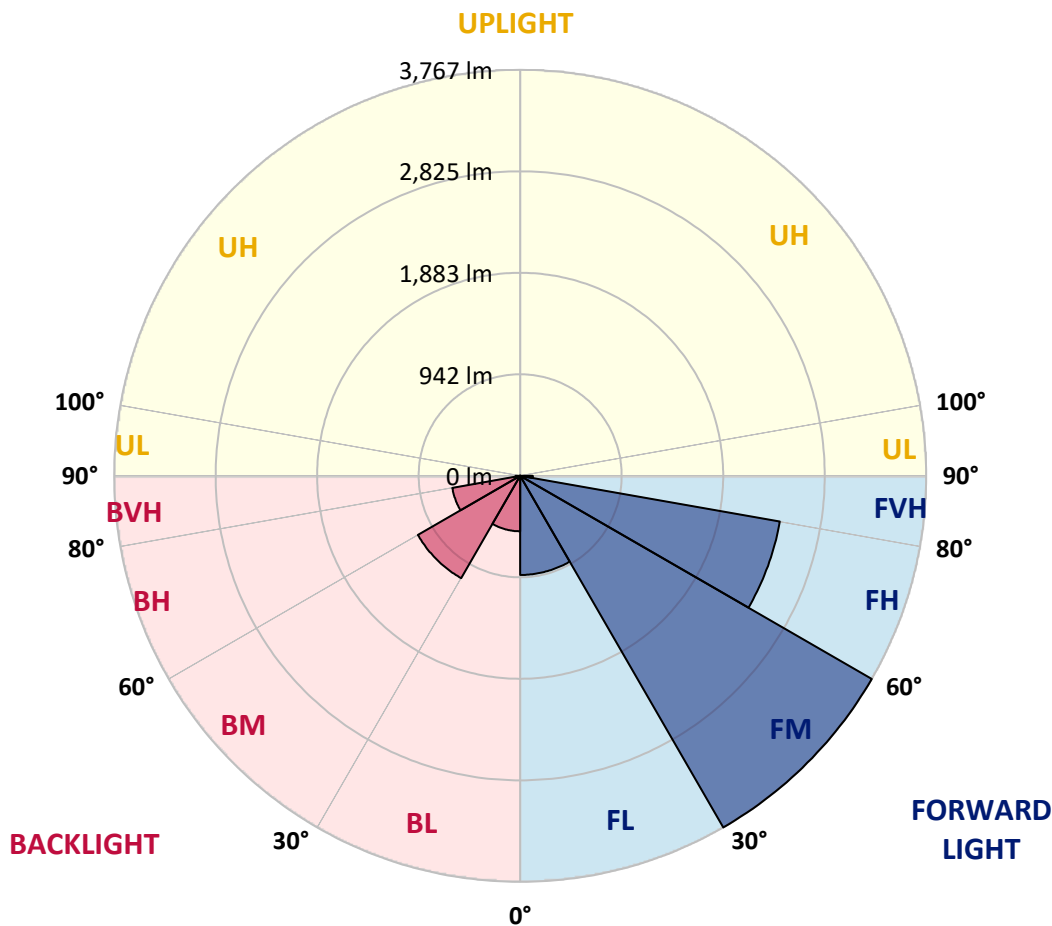
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	919.6	9.6			
FM (30°-60°)	3766.8	39.5			
FH (60°-80°)	2446.1	25.6			G2/5000
FVH (80°-90°)	116.9	1.2			G2/225
BL (0°-30°)	514.7	5.4	B2/1000		
BM (30°-60°)	1096.4	11.5	B2/2500		
BH (60°-80°)	639.7	6.7	B2/1000		G2/1000
BVH (80°-90°)	41.7	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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1610.5	1610.5	1610.5	1610.5	1610.5	1610.5	1610.5	1610.5	1610.5	1610.5	1610.5
2.5°	1706.4	1708.4	1696.4	1690.4	1682.4	1676.4	1660.5	1646.5	1636.5	1628.5	1612.5
5°	1802.3	1800.3	1788.3	1766.4	1752.4	1732.4	1698.4	1674.4	1660.5	1644.5	1612.5
7.5°	1898.2	1890.2	1878.2	1858.3	1840.3	1812.3	1776.3	1728.4	1708.4	1682.4	1632.5
10°	1978.2	1978.2	1974.2	1956.2	1936.2	1898.2	1862.3	1806.3	1772.3	1734.4	1662.4
12.5°	2058.1	2056.1	2044.1	2034.1	2014.1	1980.2	1938.2	1876.2	1832.3	1792.3	1694.4
15°	2140.0	2136.0	2122.0	2108.0	2080.1	2054.1	2012.1	1954.2	1906.2	1856.3	1732.4
17.5°	2225.9	2219.9	2201.9	2194.0	2162.0	2136.0	2102.0	2040.1	1990.1	1930.2	1786.3
20°	2289.9	2287.9	2271.9	2267.9	2251.9	2221.9	2196.0	2142.0	2082.1	2018.1	1848.3
22.5°	2339.8	2339.8	2335.8	2343.8	2349.8	2329.8	2295.9	2249.9	2186.0	2124.0	1928.2
25°	2375.8	2375.8	2389.8	2413.7	2447.7	2445.7	2429.7	2383.8	2329.8	2259.9	2030.1
27.5°	2387.8	2389.8	2409.8	2471.7	2547.6	2569.6	2561.6	2549.6	2511.7	2425.7	2170.0
30°	2387.8	2389.8	2431.7	2519.6	2641.5	2699.5	2723.5	2777.4	2765.4	2701.5	2407.8
32.5°	2353.8	2357.8	2411.7	2535.6	2705.5	2815.4	2903.3	3079.1	3131.1	3143.1	2847.3
35°	2229.9	2239.9	2327.8	2513.7	2757.4	2957.2	3135.1	3478.8	3634.6	3648.6	3316.9
37.5°	2122.0	2128.0	2247.9	2469.7	2789.4	3087.1	3384.8	3924.3	4092.2	4090.2	3680.6
40°	2020.1	2032.1	2146.0	2399.8	2785.4	3201.0	3638.6	4324.0	4491.8	4425.9	3986.3
42.5°	1904.2	1918.2	2028.1	2311.8	2759.4	3304.9	3884.4	4691.6	4799.5	4761.6	4290.0
45°	1780.3	1786.3	1900.2	2168.0	2699.5	3368.9	4120.2	5015.3	5105.2	5035.3	4559.7
47.5°	1668.4	1676.4	1772.3	2024.1	2585.6	3388.8	4328.0	5303.1	5379.0	5321.0	4801.5
50°	1326.8	1350.7	1632.5	1894.2	2417.7	3346.9	4523.8	5560.8	5650.7	5574.8	5055.3
52.5°	1144.9	1158.9	1270.8	1760.4	2194.0	3235.0	4661.7	5820.6	5898.5	5798.6	5275.1
55°	1071.0	1073.0	1138.9	1504.6	2010.1	3045.2	4743.6	6056.3	6116.3	6018.4	5494.9
57.5°	1005.1	1015.1	1073.0	1226.9	1832.3	2701.5	4747.6	6234.2	6302.1	6180.2	5674.7
60°	931.1	939.1	1005.1	1109.0	1628.5	2255.9	4581.7	6388.0	6448.0	6344.1	5852.5
62.5°	873.2	875.2	919.1	1019.0	1424.7	1928.2	4220.1	6410.0	6541.9	6466.0	5984.4
65°	803.3	807.2	851.2	939.1	1258.8	1676.4	3812.4	6286.1	6499.9	6501.9	6056.3
67.5°	713.3	715.3	763.3	851.2	1089.0	1482.6	3141.1	6158.3	6336.1	6370.1	5912.5
70°	593.4	605.4	647.4	731.3	923.1	1254.8	2387.8	5800.6	5954.4	6042.4	5538.8
72.5°	449.6	469.6	521.5	609.4	741.3	1051.0	1678.4	5249.1	5558.8	5620.8	4991.3
75°	93.9	95.9	155.9	321.7	599.4	815.2	1150.9	3992.3	4889.4	4993.3	4242.0
77.5°	42.0	46.0	71.9	107.9	193.8	525.5	753.3	2094.0	3320.9	3898.4	3348.9
80°	32.0	34.0	57.9	85.9	119.9	157.9	371.7	1150.9	1542.6	2156.0	2253.9
82.5°	18.0	20.0	38.0	61.9	75.9	71.9	153.9	499.5	691.4	875.2	1099.0
85°	10.0	12.0	22.0	34.0	32.0	36.0	67.9	265.8	393.6	519.5	555.5
87.5°	4.0	6.0	8.0	12.0	12.0	10.0	12.0	50.0	71.9	67.9	48.0
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°	1610.5	1610.5	1610.5	1610.5	1610.5	1610.5	1610.5	1610.5	1610.5	1610.5	1610.5
2.5°	1604.5	1594.5	1578.5	1562.5	1548.6	1536.6	1524.6	1520.6	1518.6	1518.6	1526.6
5°	1596.5	1580.5	1548.6	1520.6	1492.6	1472.6	1456.6	1440.7	1440.7	1436.7	1436.7
7.5°	1606.5	1582.5	1534.6	1492.6	1456.6	1428.7	1410.7	1392.7	1382.7	1380.7	1380.7
10°	1626.5	1596.5	1536.6	1482.6	1436.7	1392.7	1364.7	1336.8	1320.8	1312.8	1314.8
12.5°	1646.5	1602.5	1528.6	1462.6	1400.7	1344.7	1296.8	1256.8	1238.8	1240.8	1240.8
15°	1666.4	1612.5	1508.6	1426.7	1350.7	1278.8	1230.9	1188.9	1162.9	1158.9	1164.9
17.5°	1706.4	1632.5	1500.6	1392.7	1298.8	1214.9	1168.9	1134.9	1087.0	1087.0	1083.0
20°	1754.4	1666.4	1502.6	1356.7	1244.8	1148.9	1095.0	1063.0	1021.0	997.1	991.1
22.5°	1816.3	1712.4	1506.6	1322.8	1186.9	1081.0	1009.1	969.1	939.1	905.2	899.2
25°	1904.2	1768.4	1516.6	1288.8	1125.0	1003.1	911.1	859.2	825.2	787.3	785.3
27.5°	2002.1	1832.3	1526.6	1254.8	1053.0	905.2	789.3	731.3	703.3	685.4	679.4
30°	2166.0	1938.2	1540.6	1214.9	967.1	777.3	663.4	627.4	605.4	565.5	573.5
32.5°	2577.6	2215.9	1556.5	1168.9	879.2	663.4	579.5	535.5	495.5	465.6	463.6
35°	2975.2	2573.6	1634.5	1117.0	771.3	555.5	501.5	439.6	391.6	377.6	377.6
37.5°	3324.9	2871.3	1824.3	1069.0	665.4	497.5	417.6	369.7	339.7	319.7	343.7
40°	3634.6	3171.0	1966.2	1001.1	551.5	427.6	335.7	319.7	301.7	297.7	299.7
42.5°	3908.4	3406.8	2076.1	915.1	469.6	349.7	291.7	305.7	303.7	301.7	293.7
45°	4178.1	3642.6	2146.0	791.3	401.6	297.7	287.7	309.7	311.7	311.7	303.7
47.5°	4407.9	3844.4	2190.0	651.4	343.7	295.7	295.7	299.7	311.7	315.7	311.7
50°	4639.7	4028.2	2188.0	507.5	339.7	309.7	299.7	289.7	299.7	289.7	287.7
52.5°	4865.5	4190.1	2102.0	413.6	351.7	327.7	301.7	283.7	267.8	267.8	259.8
55°	5049.3	4326.0	1936.2	387.6	363.7	337.7	303.7	277.7	255.8	237.8	247.8
57.5°	5217.1	4459.8	1690.4	377.6	363.7	335.7	303.7	271.7	245.8	219.8	207.8
60°	5373.0	4573.7	1480.6	359.7	361.7	327.7	295.7	263.8	227.8	201.8	193.8
62.5°	5464.9	4603.7	1274.8	339.7	345.7	319.7	289.7	255.8	219.8	191.8	187.8
65°	5442.9	4519.8	1025.0	317.7	331.7	309.7	279.7	241.8	205.8	177.8	169.8
67.5°	5231.1	4196.1	787.3	285.7	309.7	295.7	263.8	197.8	119.9	97.9	99.9
70°	4765.6	3774.5	557.5	243.8	271.7	267.8	201.8	133.9	95.9	75.9	81.9
72.5°	4218.1	3265.0	385.6	191.8	205.8	187.8	153.9	115.9	81.9	63.9	63.9
75°	3512.7	2615.6	289.7	155.9	107.9	129.9	131.9	101.9	81.9	95.9	105.9
77.5°	2741.4	1934.2	229.8	123.9	48.0	71.9	95.9	85.9	145.9	151.9	141.9
80°	1840.3	1306.8	179.8	42.0	26.0	30.0	57.9	117.9	121.9	67.9	63.9
82.5°	1019.0	681.4	75.9	24.0	14.0	16.0	30.0	153.9	79.9	61.9	59.9
85°	469.6	287.7	28.0	12.0	8.0	8.0	8.0	26.0	16.0	12.0	16.0
87.5°	36.0	22.0	6.0	4.0	4.0	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)