

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: P511031

Luminaire Tested: **PRV-P-C25-D-UNV-T2-7050-HSS**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511031  
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-C25-D-UNV-T2-7050-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 5000K, 1650mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10993 lumens  
Efficiency: N/A  
Efficacy: 116.8 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

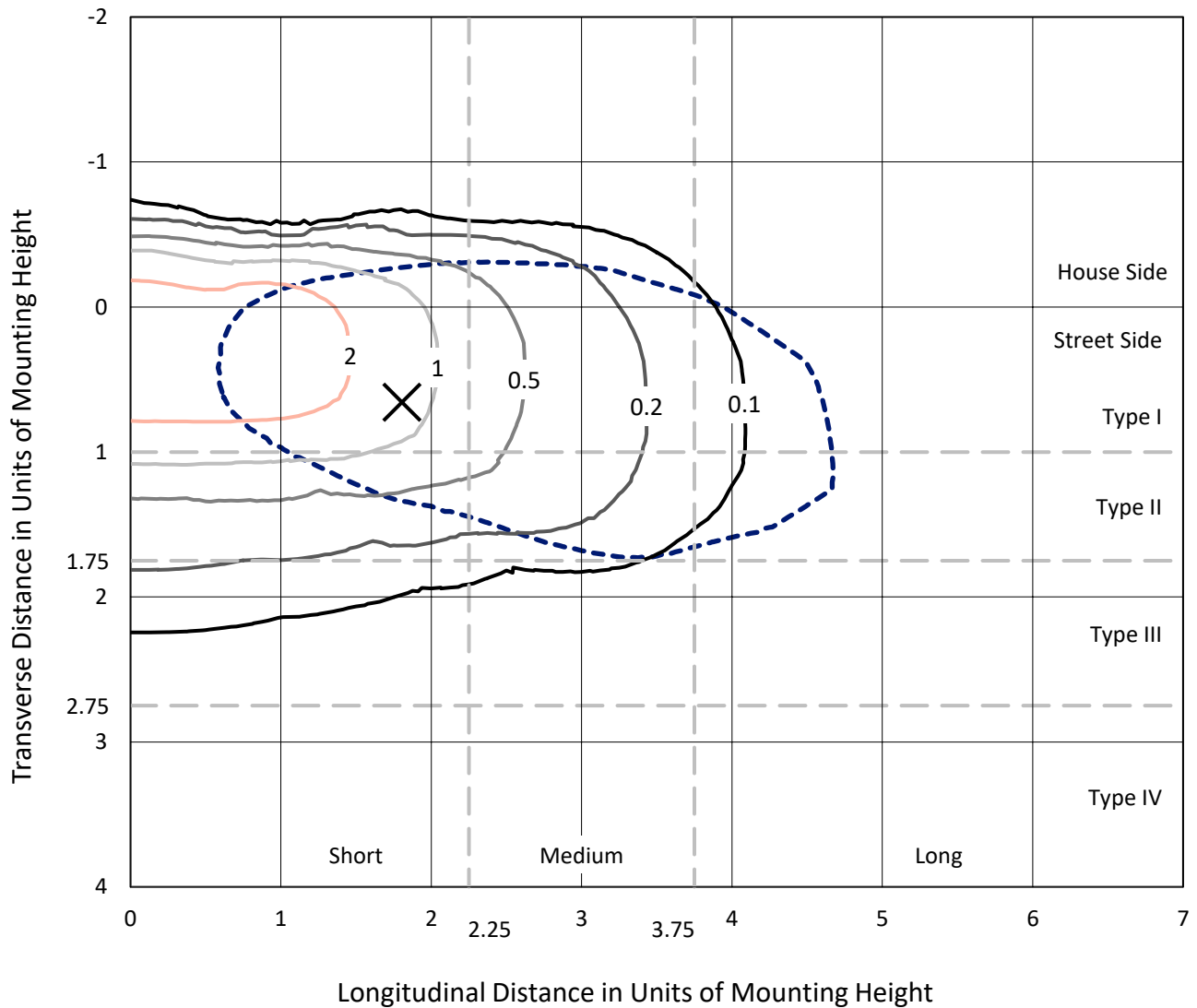
Input Watts (W): 94.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

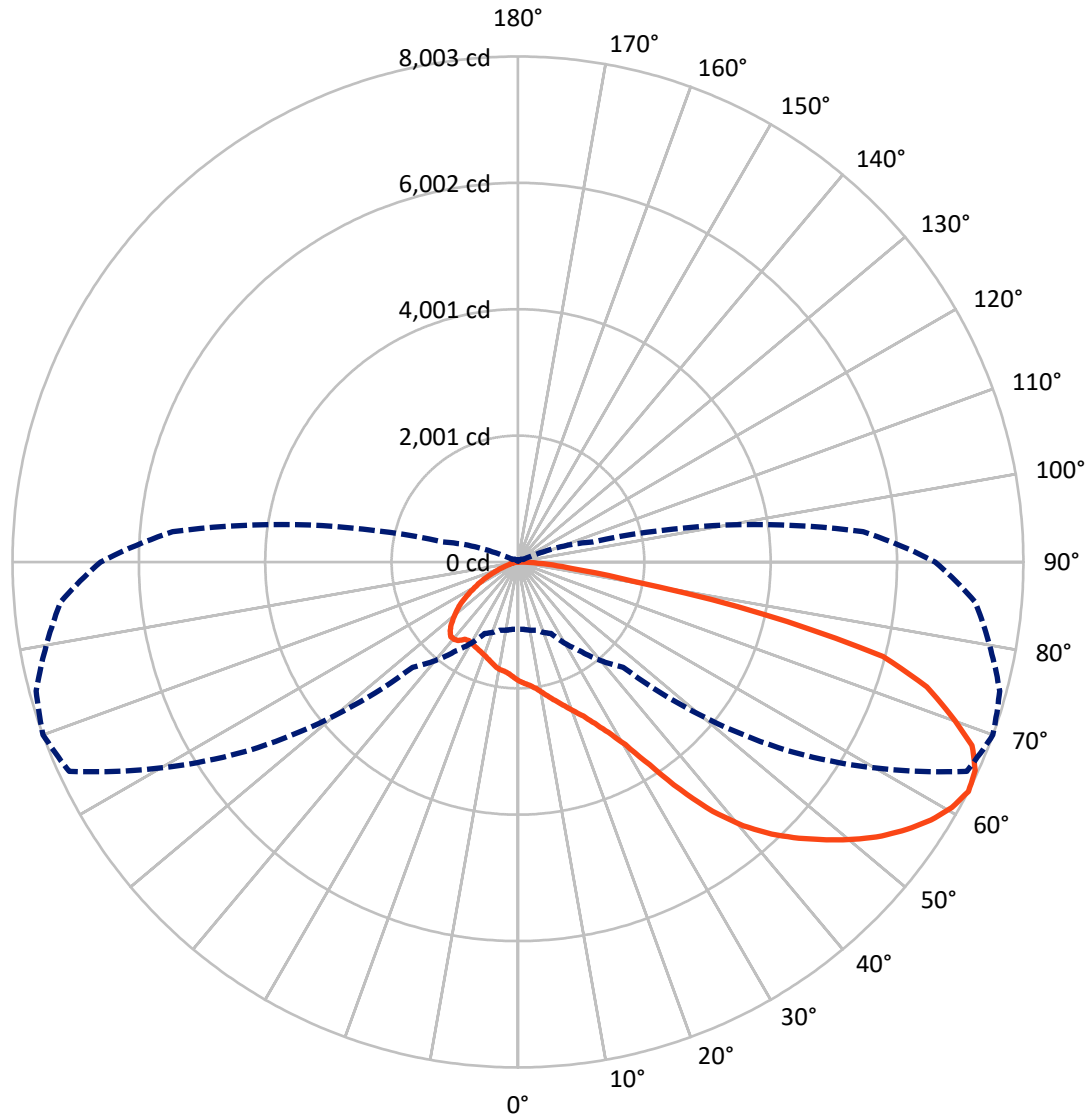
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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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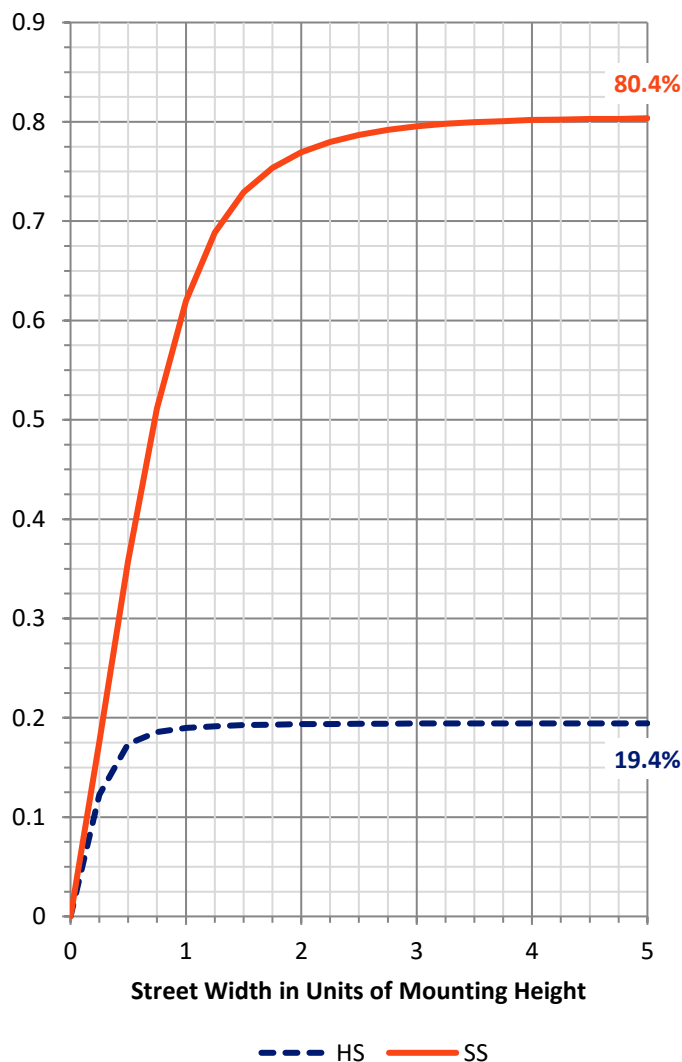
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2162.5	0.0	2162.5
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	8830.5	0.0	8830.5
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	10993.0	0.0	10993.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.2	1.6
10°-20°	539.1	4.9
20°-30°	911.3	8.3
30°-40°	1397.1	12.7
40°-50°	1948.1	17.7
50°-60°	2269.2	20.6
60°-70°	2229.2	20.3
70°-80°	1341.1	12.2
80°-90°	178.7	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°	10993.0	100.0
0°-180°	10993.0	100.0

**Coefficient of Utilization**

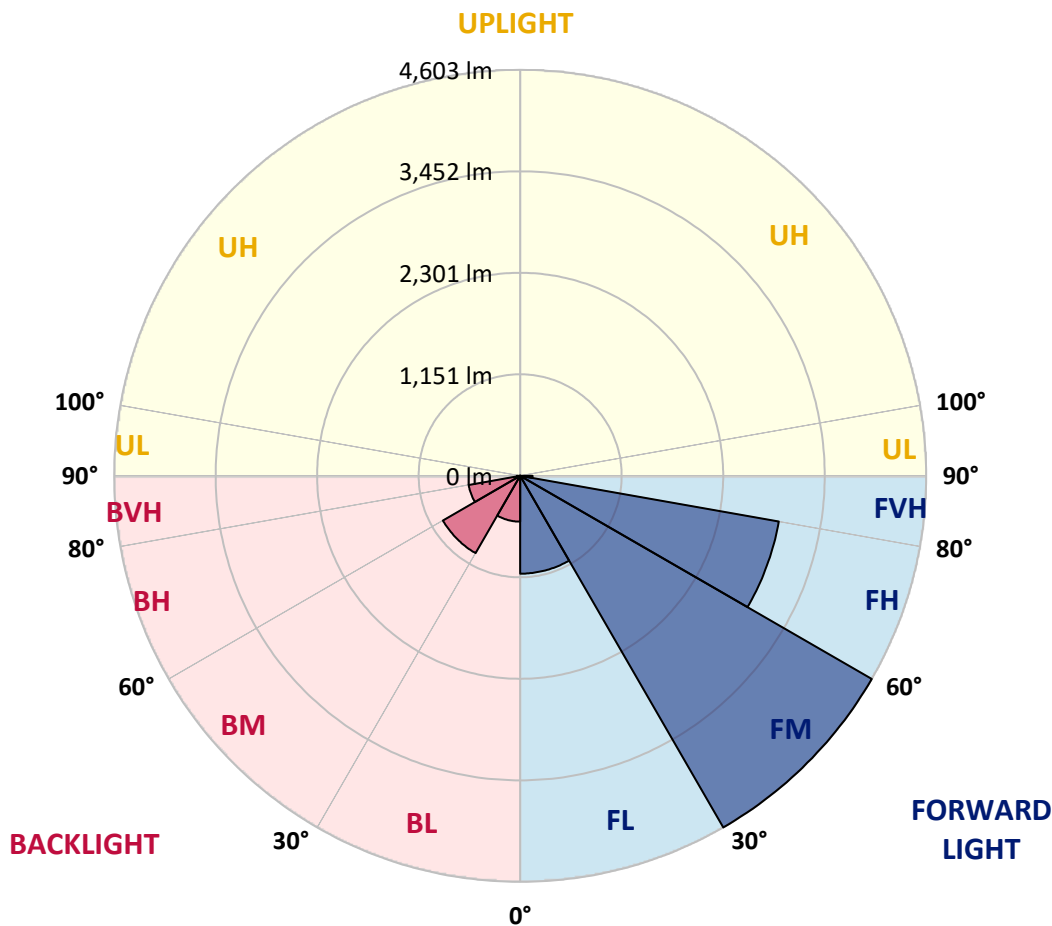


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1109.7	10.1			
FM (30°-60°)	4602.7	41.9			
FH (60°-80°)	2977.1	27.1			G2/5000
FVH (80°-90°)	141.1	1.3			G2/225
BL (0°-30°)	519.8	4.7	B2/1000		
BM (30°-60°)	1011.8	9.2	B2/2500		
BH (60°-80°)	593.3	5.4	B2/1000		G2/1000
BVH (80°-90°)	37.6	0.3			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°	1882.1	1882.1	1882.1	1882.1	1882.1	1882.1	1882.1	1882.1	1882.1	1882.1	1882.1
2.5°	2014.8	2014.8	2007.4	1997.6	1987.8	1975.5	1955.8	1936.2	1923.9	1914.1	1889.5
5°	2154.9	2150.0	2135.2	2108.2	2076.2	2049.2	2017.3	1978.0	1960.8	1938.6	1894.4
7.5°	2270.4	2267.9	2250.7	2233.5	2206.5	2169.6	2110.6	2041.8	2019.7	1990.2	1919.0
10°	2380.9	2380.9	2368.6	2349.0	2319.5	2285.1	2231.0	2154.9	2100.8	2054.1	1958.3
12.5°	2476.7	2476.7	2459.5	2442.3	2415.3	2378.5	2326.9	2245.8	2189.3	2137.7	2000.1
15°	2579.9	2572.6	2555.4	2545.5	2506.2	2474.3	2427.6	2341.6	2290.0	2221.2	2049.2
17.5°	2683.1	2673.3	2651.2	2641.4	2609.4	2572.6	2533.3	2457.1	2395.7	2317.0	2118.0
20°	2761.8	2756.9	2742.1	2739.7	2722.5	2678.2	2651.2	2575.0	2516.1	2427.6	2194.2
22.5°	2852.7	2850.2	2842.9	2830.6	2835.5	2823.2	2786.3	2720.0	2651.2	2570.1	2302.3
25°	2892.0	2894.5	2909.2	2938.7	2960.8	2958.3	2936.2	2887.1	2833.0	2737.2	2435.0
27.5°	2914.1	2914.1	2938.7	3014.9	3108.2	3115.6	3105.8	3098.4	3054.2	2948.5	2614.3
30°	2919.0	2921.5	2970.6	3073.8	3223.7	3290.0	3314.6	3366.2	3356.4	3287.6	2889.5
32.5°	2877.3	2882.2	2951.0	3100.9	3307.2	3454.7	3535.8	3766.7	3828.1	3833.1	3469.4
35°	2729.8	2734.7	2852.7	3073.8	3371.1	3619.3	3818.3	4233.6	4422.8	4462.1	4024.7
37.5°	2584.9	2604.5	2742.1	3022.2	3412.9	3776.6	4132.8	4791.3	5007.6	4980.5	4467.0
40°	2466.9	2481.7	2621.7	2936.2	3415.4	3926.4	4467.0	5277.8	5489.1	5405.6	4857.7
42.5°	2329.3	2341.6	2474.3	2823.2	3381.0	4051.7	4771.7	5739.8	5887.2	5801.2	5221.3
45°	2169.6	2184.4	2319.5	2653.7	3309.7	4132.8	5044.4	6098.5	6238.6	6167.3	5553.0
47.5°	2032.0	2044.3	2169.6	2476.7	3172.1	4154.9	5312.2	6484.3	6572.7	6481.8	5850.3
50°	1592.2	1665.9	1997.6	2319.5	2955.9	4108.3	5533.4	6813.5	6902.0	6816.0	6125.5
52.5°	1400.5	1407.9	1543.1	2152.4	2690.5	3973.1	5702.9	7101.0	7211.6	7098.5	6425.3
55°	1307.2	1314.5	1383.3	1872.3	2466.9	3747.1	5815.9	7390.9	7472.0	7341.8	6690.7
57.5°	1226.1	1240.8	1312.1	1489.0	2240.9	3339.2	5815.9	7631.7	7710.4	7553.1	6909.3
60°	1135.2	1145.0	1228.5	1356.3	1990.2	2793.7	5604.6	7813.6	7894.6	7757.0	7118.2
62.5°	1061.5	1071.3	1120.4	1250.7	1720.0	2356.4	5204.1	7840.6	8002.7	7897.1	7268.1
65°	970.6	977.9	1034.4	1147.5	1540.6	2054.1	4668.5	7698.1	7956.1	7936.4	7351.6
67.5°	857.5	872.3	928.8	1029.5	1331.7	1810.9	3833.1	7528.5	7754.6	7769.3	7172.3
70°	717.5	727.3	786.3	891.9	1115.5	1525.9	2845.3	7091.2	7270.5	7388.5	6784.0
72.5°	562.7	572.5	633.9	732.2	901.8	1267.9	2091.0	6400.7	6771.7	6847.9	6061.6
75°	81.1	103.2	203.9	398.0	722.4	982.8	1373.5	4916.6	5970.7	6022.3	5128.0
77.5°	49.1	51.6	78.6	122.9	216.2	658.5	914.0	2516.1	3970.7	4656.2	4010.0
80°	36.9	39.3	61.4	95.8	140.1	186.7	442.3	1383.3	1850.2	2607.0	2656.1
82.5°	19.7	22.1	41.8	68.8	86.0	81.1	186.7	604.4	855.1	1090.9	1336.7
85°	12.3	12.3	22.1	36.9	34.4	41.8	86.0	314.5	484.0	619.2	668.3
87.5°	4.9	4.9	7.4	12.3	12.3	9.8	14.7	73.7	95.8	117.9	73.7
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°	1882.1	1882.1	1882.1	1882.1	1882.1	1882.1	1882.1	1882.1	1882.1	1882.1	1882.1
2.5°	1877.2	1864.9	1842.8	1815.8	1793.7	1776.5	1764.2	1756.8	1744.5	1749.4	1754.4
5°	1869.8	1845.3	1798.6	1754.4	1712.6	1678.2	1646.3	1624.1	1606.9	1599.6	1597.1
7.5°	1882.1	1842.8	1774.0	1710.1	1648.7	1584.8	1548.0	1503.7	1479.2	1474.3	1469.3
10°	1906.7	1862.5	1774.0	1680.7	1587.3	1501.3	1434.9	1388.3	1348.9	1331.7	1324.4
12.5°	1931.3	1867.4	1754.4	1634.0	1511.1	1405.5	1319.5	1245.7	1204.0	1199.1	1186.8
15°	1963.2	1882.1	1722.4	1572.5	1422.7	1292.4	1199.1	1132.7	1086.0	1078.7	1076.2
17.5°	2009.9	1906.7	1702.8	1511.1	1336.7	1186.8	1103.2	1056.5	985.3	982.8	970.6
20°	2068.9	1948.5	1697.9	1444.8	1250.7	1098.3	1012.3	968.1	891.9	860.0	855.1
22.5°	2152.4	2002.5	1695.4	1388.3	1172.0	1022.2	919.0	840.3	756.8	685.5	670.8
25°	2253.2	2068.9	1700.3	1341.6	1095.9	938.6	786.3	643.8	557.8	493.9	469.3
27.5°	2380.9	2157.3	1707.7	1294.9	1019.7	828.0	611.8	459.5	383.3	341.5	331.7
30°	2602.1	2282.6	1717.5	1245.7	938.6	668.3	420.2	331.7	267.8	221.1	221.1
32.5°	3059.1	2621.7	1737.2	1199.1	840.3	496.3	304.7	226.1	167.1	142.5	147.4
35°	3584.9	3083.7	1828.1	1135.2	707.6	329.3	206.4	137.6	105.7	110.6	115.5
37.5°	4017.3	3442.4	2044.3	1071.3	533.2	231.0	125.3	95.8	95.8	98.3	115.5
40°	4376.1	3788.8	2196.6	980.4	351.4	142.5	81.1	88.5	83.5	86.0	81.1
42.5°	4737.3	4078.8	2317.0	860.0	226.1	86.0	73.7	83.5	78.6	78.6	68.8
45°	5042.0	4341.7	2378.5	685.5	127.8	71.3	68.8	78.6	76.2	73.7	63.9
47.5°	5339.3	4592.3	2408.0	474.2	81.1	63.9	63.9	71.3	71.3	61.4	56.5
50°	5616.9	4808.5	2393.2	260.5	76.2	61.4	63.9	59.0	61.4	49.1	44.2
52.5°	5884.7	4995.3	2275.3	157.3	71.3	61.4	56.5	51.6	49.1	36.9	36.9
55°	6105.9	5150.1	2059.0	122.9	71.3	59.0	51.6	44.2	39.3	29.5	31.9
57.5°	6302.4	5307.3	1766.6	113.0	73.7	56.5	46.7	39.3	31.9	24.6	22.1
60°	6491.6	5444.9	1489.0	103.2	76.2	56.5	39.3	31.9	22.1	19.7	17.2
62.5°	6607.1	5489.1	1233.5	93.4	76.2	51.6	36.9	27.0	17.2	14.7	12.3
65°	6580.1	5383.5	968.1	88.5	73.7	46.7	31.9	22.1	14.7	9.8	9.8
67.5°	6324.6	5017.4	702.7	86.0	71.3	46.7	29.5	17.2	12.3	7.4	7.4
70°	5752.1	4471.9	484.0	78.6	63.9	39.3	29.5	14.7	9.8	7.4	4.9
72.5°	5034.6	3955.9	324.3	68.8	51.6	29.5	17.2	12.3	7.4	4.9	4.9
75°	4312.2	3142.6	223.6	54.1	39.3	24.6	12.3	9.8	7.4	4.9	2.5
77.5°	3238.4	2265.4	167.1	41.8	29.5	14.7	7.4	4.9	4.9	2.5	2.5
80°	2236.0	1557.8	130.2	22.1	9.8	7.4	4.9	4.9	2.5	2.5	2.5
82.5°	1196.6	830.5	81.1	14.7	4.9	4.9	2.5	2.5	2.5	2.5	2.5
85°	567.6	336.6	27.0	7.4	4.9	2.5	2.5	2.5	2.5	2.5	2.5
87.5°	56.5	17.2	7.4	4.9	4.9	2.5	0.0	2.5	2.5	2.5	2.5
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)