

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: P510981

Luminaire Tested: **PRV-P-C20-D-UNV-T2-7030-HSS**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510981  
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-T2-7030-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 3000K, 1300mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

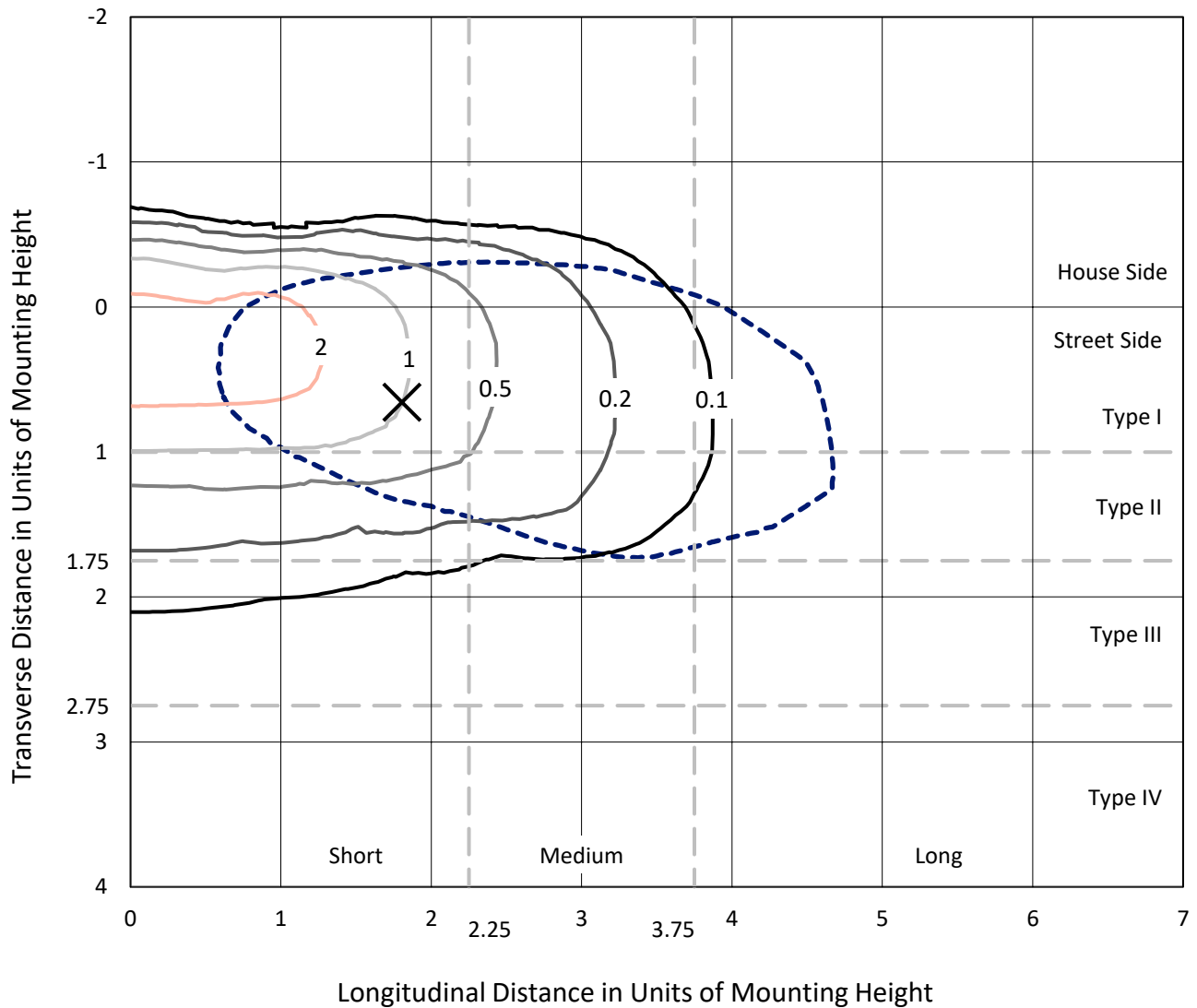
Lumens per Lamp: N/A  
Luminaire Lumens: 8779 lumens  
Efficiency: N/A  
Efficacy: 120.6 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

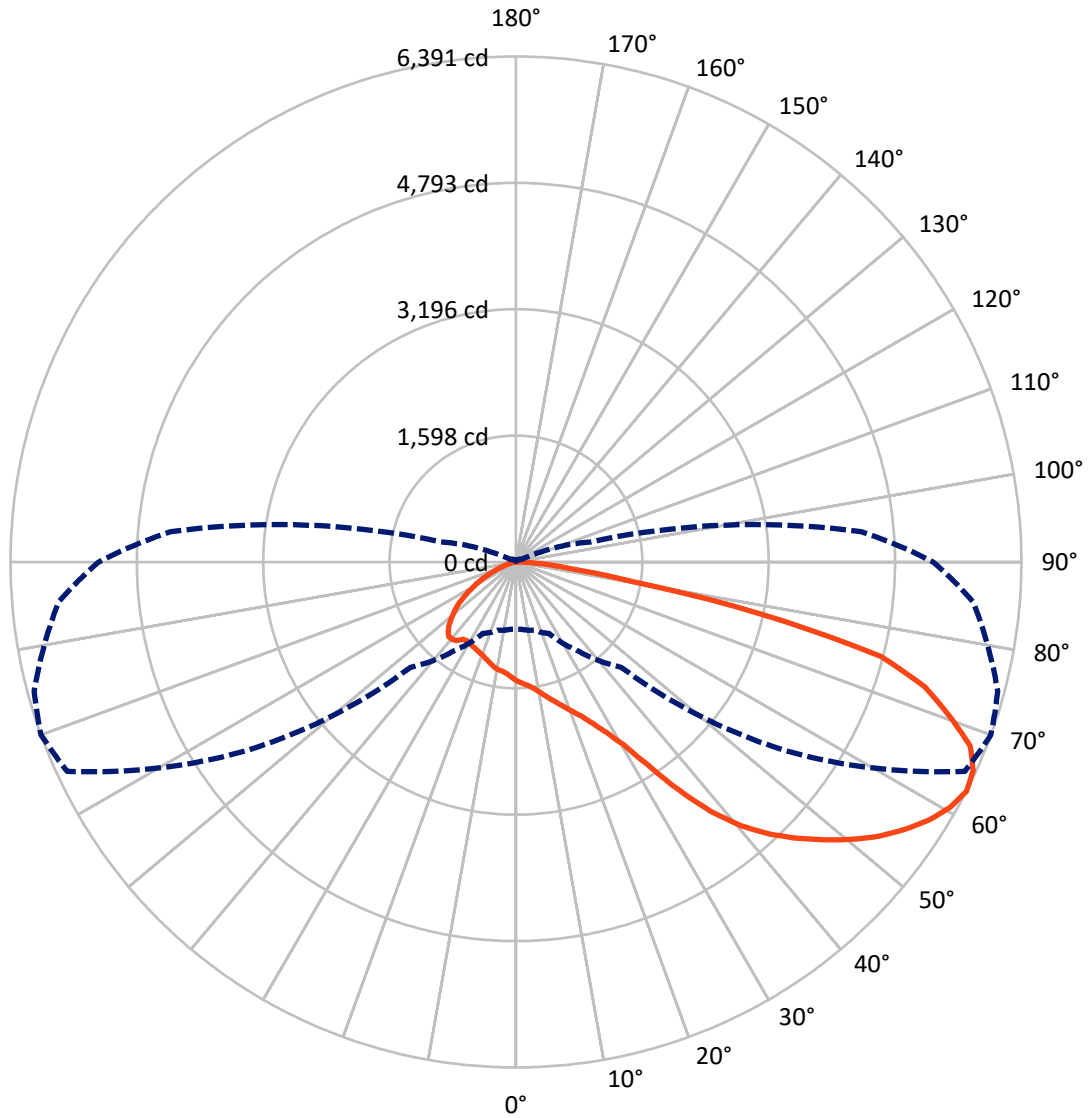
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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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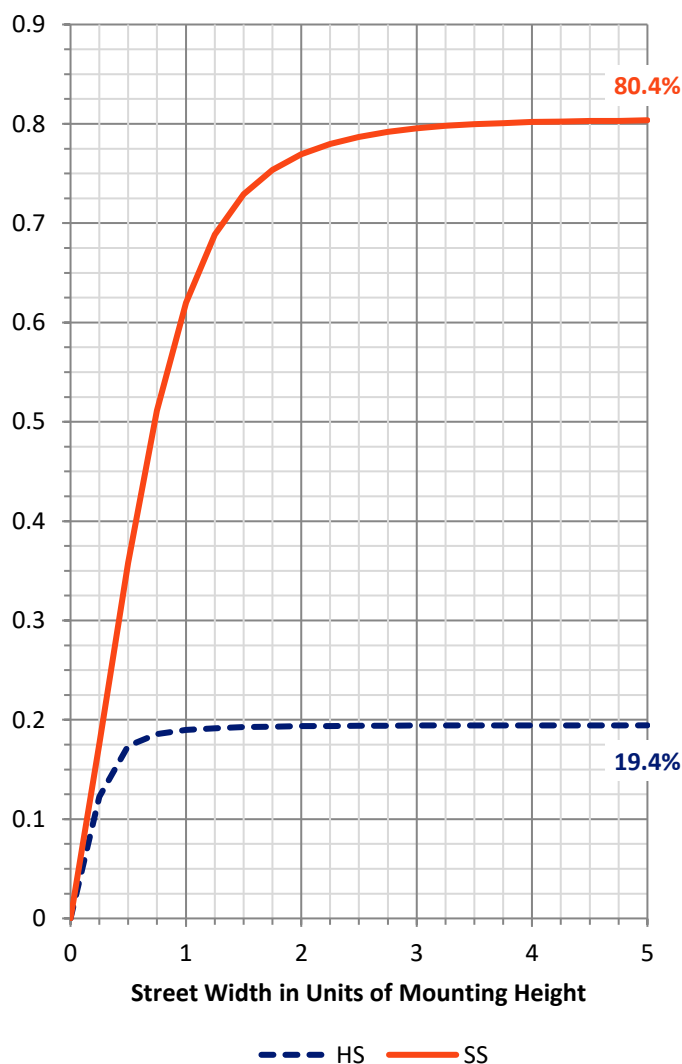
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1727.0	0.0	1727.0
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	7052.0	0.0	7052.0
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	8779.0	0.0	8779.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.1	1.6
10°-20°	430.5	4.9
20°-30°	727.7	8.3
30°-40°	1115.7	12.7
40°-50°	1555.8	17.7
50°-60°	1812.2	20.6
60°-70°	1780.2	20.3
70°-80°	1071.0	12.2
80°-90°	142.7	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°	8779.0	100.0
0°-180°	8779.0	100.0

**Coefficient of Utilization**

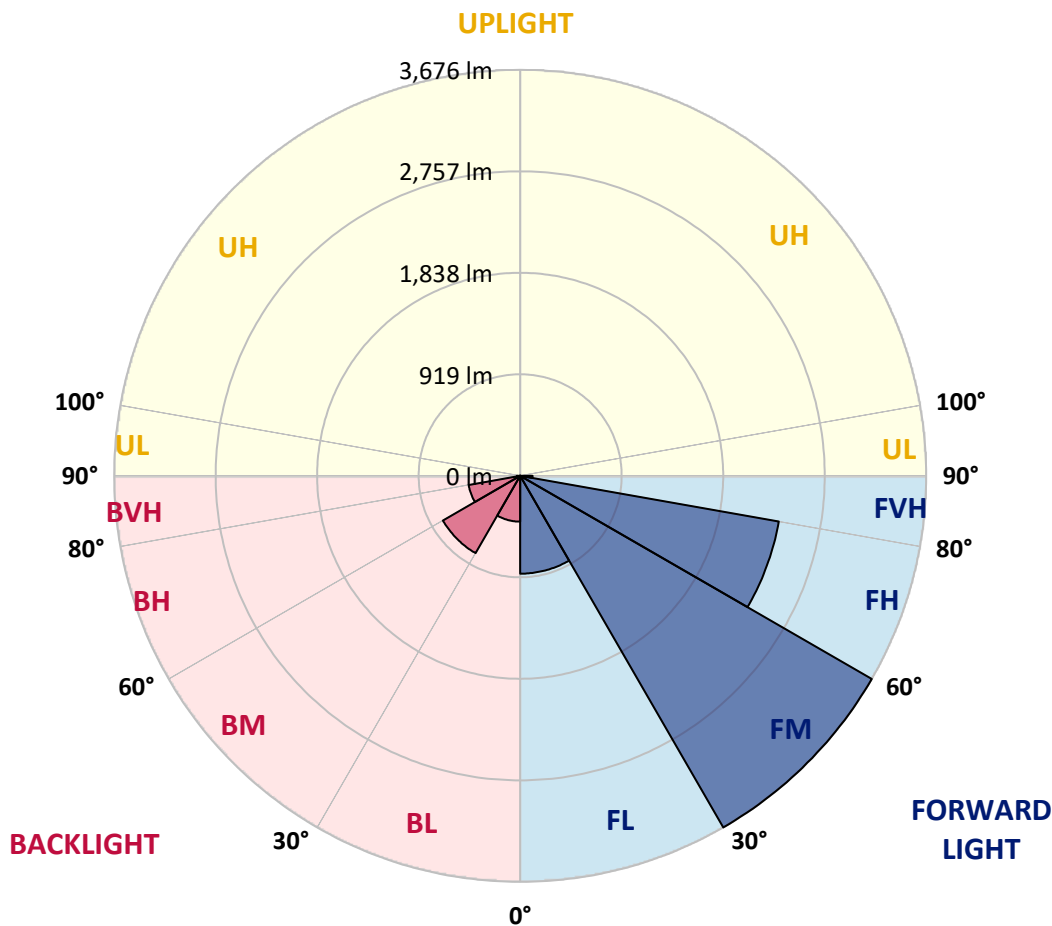


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	886.2	10.1			
FM (30°-60°)	3675.7	41.9			
FH (60°-80°)	2377.5	27.1			G2/5000
FVH (80°-90°)	112.7	1.3			G2/225
BL (0°-30°)	415.1	4.7	B1/500		
BM (30°-60°)	808.0	9.2	B1/1000		
BH (60°-80°)	473.8	5.4	B1/500		G1/500
BVH (80°-90°)	30.1	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1503.1	1503.1	1503.1	1503.1	1503.1	1503.1	1503.1	1503.1	1503.1	1503.1	1503.1
2.5°	1609.0	1609.0	1603.1	1595.3	1587.4	1577.6	1561.9	1546.2	1536.4	1528.6	1509.0
5°	1720.9	1717.0	1705.2	1683.6	1658.1	1636.5	1611.0	1579.6	1565.9	1548.2	1512.9
7.5°	1813.1	1811.1	1797.4	1783.7	1762.1	1732.7	1685.6	1630.6	1613.0	1589.4	1532.5
10°	1901.4	1901.4	1891.6	1875.9	1852.3	1824.9	1781.7	1720.9	1677.7	1640.4	1563.9
12.5°	1977.9	1977.9	1964.2	1950.5	1928.9	1899.4	1858.2	1793.5	1748.3	1707.1	1597.3
15°	2060.3	2054.5	2040.7	2032.9	2001.5	1976.0	1938.7	1870.0	1828.8	1773.9	1636.5
17.5°	2142.8	2134.9	2117.2	2109.4	2083.9	2054.5	2023.1	1962.2	1913.2	1850.4	1691.4
20°	2205.5	2201.6	2189.9	2187.9	2174.2	2138.8	2117.2	2056.4	2009.3	1938.7	1752.3
22.5°	2278.2	2276.2	2270.3	2260.5	2264.4	2254.6	2225.2	2172.2	2117.2	2052.5	1838.6
25°	2309.5	2311.5	2323.3	2346.8	2364.5	2362.5	2344.9	2305.6	2262.5	2185.9	1944.6
27.5°	2327.2	2327.2	2346.8	2407.7	2482.2	2488.1	2480.3	2474.4	2439.1	2354.7	2087.8
30°	2331.1	2333.1	2372.3	2454.8	2574.4	2627.4	2647.1	2688.3	2680.4	2625.5	2307.6
32.5°	2297.8	2301.7	2356.6	2476.3	2641.2	2758.9	2823.7	3008.1	3057.2	3061.1	2770.7
35°	2180.0	2184.0	2278.2	2454.8	2692.2	2890.4	3049.3	3380.9	3532.0	3563.4	3214.1
37.5°	2064.3	2080.0	2189.9	2413.5	2725.5	3015.9	3300.5	3826.4	3999.0	3977.4	3567.3
40°	1970.1	1981.9	2093.7	2344.9	2727.5	3135.6	3567.3	4214.9	4383.6	4316.9	3879.3
42.5°	1860.2	1870.0	1976.0	2254.6	2700.0	3235.7	3810.7	4583.8	4701.5	4632.8	4169.7
45°	1732.7	1744.4	1852.3	2119.2	2643.1	3300.5	4028.5	4870.3	4982.1	4925.2	4434.6
47.5°	1622.8	1632.6	1732.7	1977.9	2533.2	3318.1	4242.3	5178.3	5249.0	5176.4	4672.1
50°	1271.5	1330.4	1595.3	1852.3	2360.6	3280.9	4418.9	5441.3	5511.9	5443.2	4891.8
52.5°	1118.5	1124.4	1232.3	1718.9	2148.6	3172.9	4554.3	5670.8	5759.1	5668.9	5131.2
55°	1043.9	1049.8	1104.7	1495.2	1970.1	2992.4	4644.6	5902.4	5967.1	5863.1	5343.2
57.5°	979.2	990.9	1047.8	1189.1	1789.6	2666.7	4644.6	6094.7	6157.5	6031.9	5517.8
60°	906.6	914.4	981.1	1083.2	1589.4	2231.1	4475.8	6239.9	6304.6	6194.8	5684.6
62.5°	847.7	855.5	894.8	998.8	1373.6	1881.8	4156.0	6261.5	6391.0	6306.6	5804.3
65°	775.1	781.0	826.1	916.4	1230.3	1640.4	3728.2	6147.7	6353.7	6338.0	5871.0
67.5°	684.8	696.6	741.7	822.2	1063.5	1446.2	3061.1	6012.3	6192.8	6204.6	5727.8
70°	573.0	580.8	627.9	712.3	890.9	1218.5	2272.3	5663.0	5806.2	5900.4	5417.7
72.5°	449.4	457.2	506.3	584.7	720.1	1012.5	1669.9	5111.6	5407.9	5468.7	4840.8
75°	64.8	82.4	162.9	317.9	576.9	784.9	1096.9	3926.4	4768.2	4809.4	4095.2
77.5°	39.2	41.2	62.8	98.1	172.7	525.9	730.0	2009.3	3171.0	3718.4	3202.4
80°	29.4	31.4	49.1	76.5	111.8	149.1	353.2	1104.7	1477.6	2081.9	2121.2
82.5°	15.7	17.7	33.4	54.9	68.7	64.8	149.1	482.7	682.9	871.2	1067.5
85°	9.8	9.8	17.7	29.4	27.5	33.4	68.7	251.2	386.6	494.5	533.7
87.5°	3.9	3.9	5.9	9.8	9.8	7.8	11.8	58.9	76.5	94.2	58.9
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°	1503.1	1503.1	1503.1	1503.1	1503.1	1503.1	1503.1	1503.1	1503.1	1503.1	1503.1
2.5°	1499.1	1489.3	1471.7	1450.1	1432.4	1418.7	1408.9	1403.0	1393.2	1397.1	1401.0
5°	1493.3	1473.6	1436.4	1401.0	1367.7	1340.2	1314.7	1297.0	1283.3	1277.4	1275.5
7.5°	1503.1	1471.7	1416.7	1365.7	1316.7	1265.6	1236.2	1200.9	1181.3	1177.3	1173.4
10°	1522.7	1487.4	1416.7	1342.2	1267.6	1198.9	1145.9	1108.7	1077.3	1063.5	1057.6
12.5°	1542.3	1491.3	1401.0	1304.9	1206.8	1122.4	1053.7	994.9	961.5	957.6	947.8
15°	1567.8	1503.1	1375.5	1255.8	1136.1	1032.1	957.6	904.6	867.3	861.4	859.5
17.5°	1605.1	1522.7	1359.8	1206.8	1067.5	947.8	881.0	843.8	786.9	784.9	775.1
20°	1652.2	1556.0	1355.9	1153.8	998.8	877.1	808.4	773.1	712.3	686.8	682.9
22.5°	1718.9	1599.2	1353.9	1108.7	936.0	816.3	733.9	671.1	604.4	547.5	535.7
25°	1799.4	1652.2	1357.9	1071.4	875.2	749.6	627.9	514.1	445.4	394.4	374.8
27.5°	1901.4	1722.8	1363.8	1034.1	814.3	661.3	488.6	366.9	306.1	272.8	264.9
30°	2078.0	1822.9	1371.6	994.9	749.6	533.7	335.5	264.9	213.9	176.6	176.6
32.5°	2443.0	2093.7	1387.3	957.6	671.1	396.4	243.3	180.5	133.4	113.8	117.7
35°	2862.9	2462.6	1459.9	906.6	565.1	262.9	164.8	109.9	84.4	88.3	92.2
37.5°	3208.2	2749.1	1632.6	855.5	425.8	184.4	100.1	76.5	76.5	78.5	92.2
40°	3494.7	3025.8	1754.2	782.9	280.6	113.8	64.8	70.6	66.7	68.7	64.8
42.5°	3783.2	3257.3	1850.4	686.8	180.5	68.7	58.9	66.7	62.8	62.8	54.9
45°	4026.5	3467.3	1899.4	547.5	102.0	56.9	54.9	62.8	60.8	58.9	51.0
47.5°	4263.9	3667.4	1923.0	378.7	64.8	51.0	51.0	56.9	56.9	49.1	45.1
50°	4485.7	3840.1	1911.2	208.0	60.8	49.1	51.0	47.1	49.1	39.2	35.3
52.5°	4699.5	3989.2	1817.0	125.6	56.9	49.1	45.1	41.2	39.2	29.4	29.4
55°	4876.1	4112.8	1644.3	98.1	56.9	47.1	41.2	35.3	31.4	23.5	25.5
57.5°	5033.1	4238.4	1410.8	90.3	58.9	45.1	37.3	31.4	25.5	19.6	17.7
60°	5184.2	4348.3	1189.1	82.4	60.8	45.1	31.4	25.5	17.7	15.7	13.7
62.5°	5276.4	4383.6	985.0	74.6	60.8	41.2	29.4	21.6	13.7	11.8	9.8
65°	5254.9	4299.2	773.1	70.6	58.9	37.3	25.5	17.7	11.8	7.8	7.8
67.5°	5050.8	4006.9	561.2	68.7	56.9	37.3	23.5	13.7	9.8	5.9	5.9
70°	4593.6	3571.3	386.6	62.8	51.0	31.4	23.5	11.8	7.8	5.9	3.9
72.5°	4020.6	3159.2	259.0	54.9	41.2	23.5	13.7	9.8	5.9	3.9	3.9
75°	3443.7	2509.7	178.6	43.2	31.4	19.6	9.8	7.8	5.9	3.9	2.0
77.5°	2586.2	1809.2	133.4	33.4	23.5	11.8	5.9	3.9	3.9	2.0	2.0
80°	1785.6	1244.1	104.0	17.7	7.8	5.9	3.9	3.9	2.0	2.0	2.0
82.5°	955.6	663.2	64.8	11.8	3.9	3.9	2.0	2.0	2.0	2.0	2.0
85°	453.3	268.8	21.6	5.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0
87.5°	45.1	13.7	5.9	3.9	3.9	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)