

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: P510912

Luminaire Tested: **PRV-P-C10-D-UNV-T4-7050**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510912  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/7/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: PRV-P-C10-D-UNV-T4-7050  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 5000K, 600mA LED AND TYPE IV OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4969 lumens  
Efficiency: N/A  
Efficacy: 143.6 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

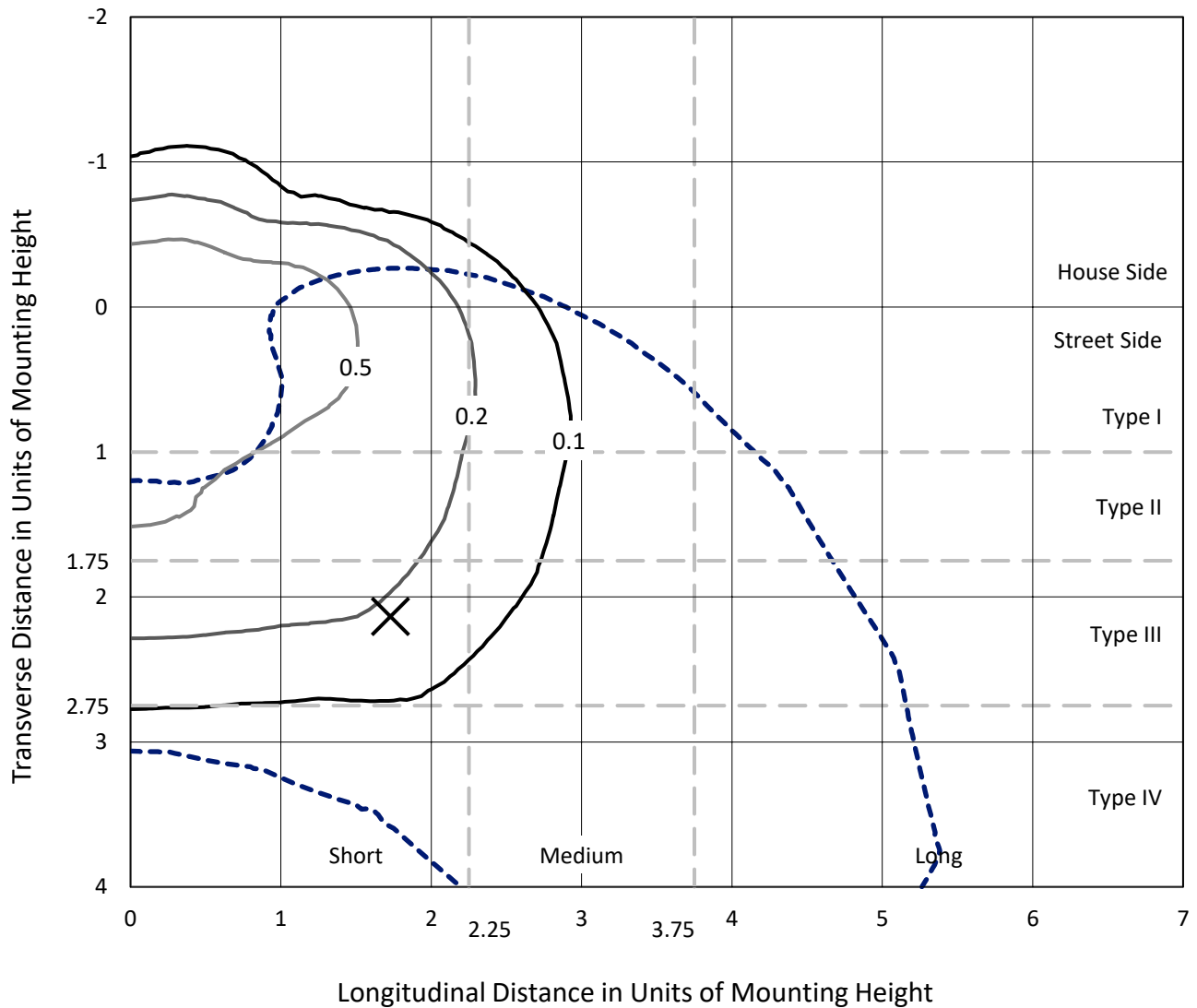
Input Watts (W): 34.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

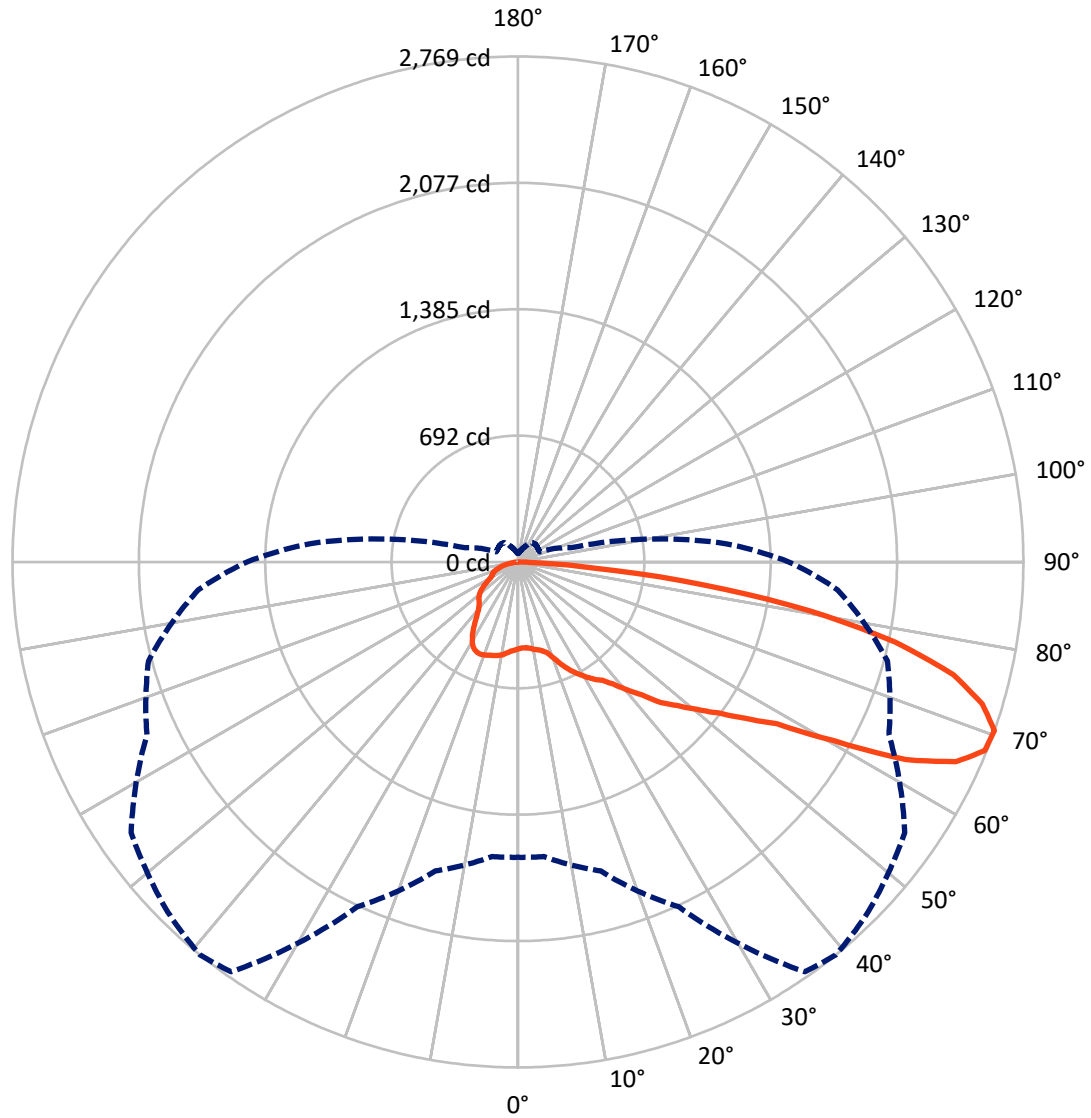
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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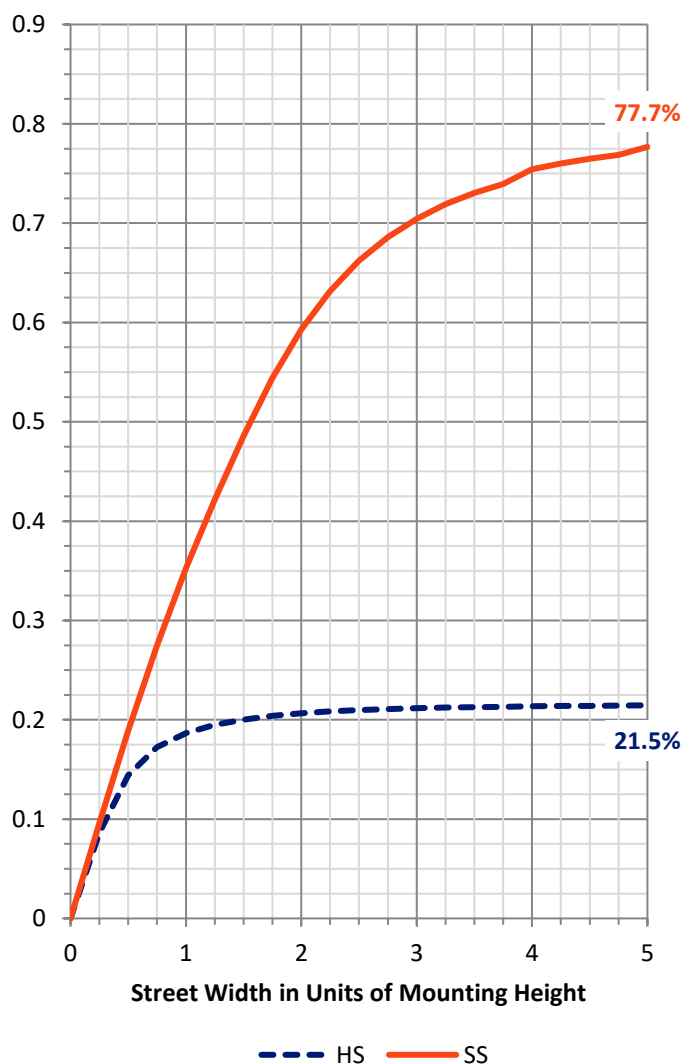
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1074.7	0.0	1074.7
	% Fixture	21.6	0.0	21.6
<b>Street Side</b>	Lumens	3894.3	0.0	3894.3
	% Fixture	78.4	0.0	78.4
<b>Total</b>	Lumens	4969.0	0.0	4969.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.5	0.9
10°-20°	148.8	3.0
20°-30°	282.4	5.7
30°-40°	441.6	8.9
40°-50°	670.6	13.5
50°-60°	982.1	19.8
60°-70°	1263.7	25.4
70°-80°	960.6	19.3
80°-90°	172.7	3.5
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°	4969.0	100.0
0°-180°	4969.0	100.0

**Coefficient of Utilization**



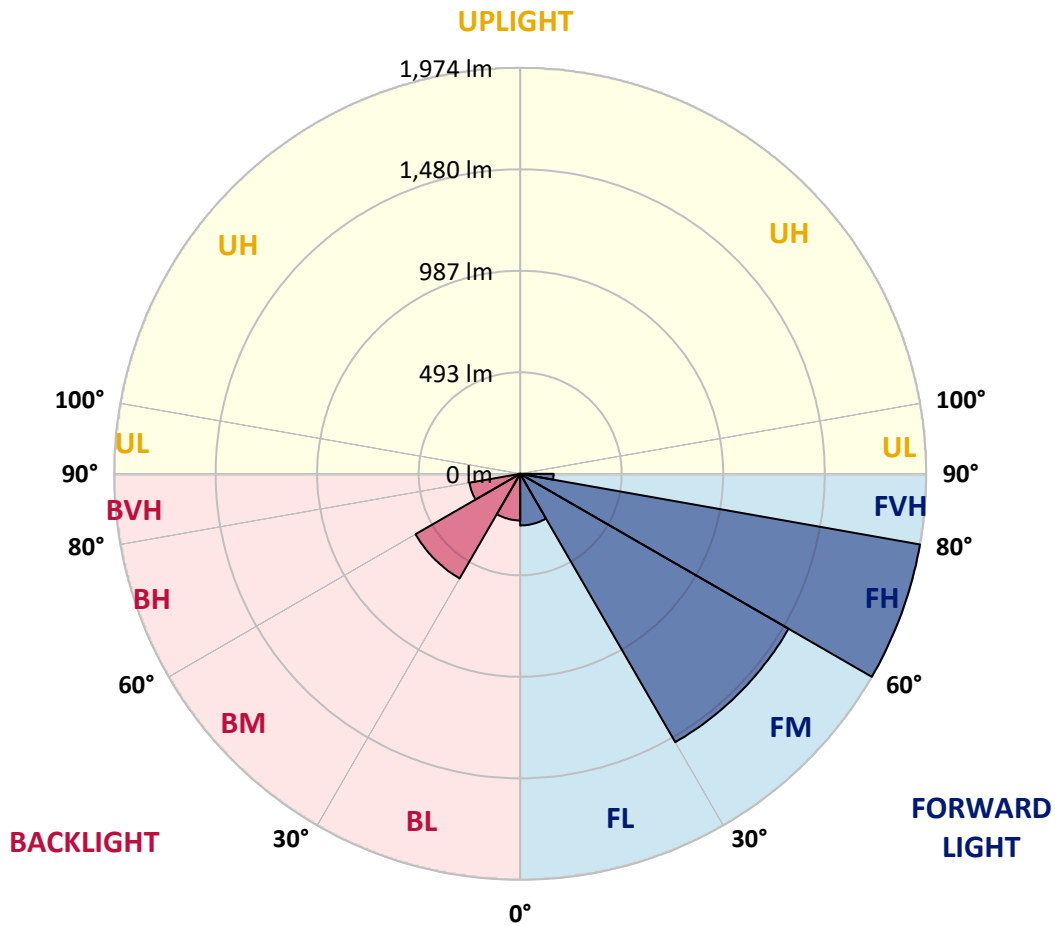
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	251.1	5.1			
FM (30°-60°)	1506.8	30.3			
FH (60°-80°)	1973.9	39.7			G2/5000
FVH (80°-90°)	162.5	3.3			G2/225
BL (0°-30°)	226.6	4.6	B1/500		
BM (30°-60°)	587.5	11.8	B1/1000		
BH (60°-80°)	250.4	5.0	B1/500		G1/500
BVH (80°-90°)	10.2	0.2			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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	475.5	475.5	475.5	475.5	475.5	475.5	475.5	475.5	475.5	475.5	475.5
2.5°	470.4	469.4	469.4	470.4	470.4	471.4	471.4	472.4	473.5	476.5	477.5
5°	468.4	469.4	469.4	470.4	471.4	471.4	471.4	472.4	472.4	475.5	476.5
7.5°	470.4	471.4	473.5	475.5	476.5	477.5	478.5	479.6	479.6	480.6	482.6
10°	473.5	475.5	476.5	480.6	485.7	486.7	488.7	491.8	492.8	493.8	495.9
12.5°	480.6	479.6	481.6	486.7	491.8	493.8	496.9	502.0	506.0	506.0	508.1
15°	486.7	487.7	489.7	494.8	500.9	505.0	509.1	515.2	520.3	523.3	525.4
17.5°	519.3	517.2	520.3	516.2	520.3	523.3	528.4	535.6	543.7	546.8	550.8
20°	568.1	570.2	565.1	566.1	563.1	562.0	560.0	561.0	569.2	578.3	585.4
22.5°	624.1	628.2	626.2	618.0	610.9	609.9	605.8	603.8	605.8	617.0	627.2
25°	674.0	675.0	674.0	663.8	655.7	653.7	653.7	657.7	658.8	662.8	672.0
27.5°	711.7	711.7	708.6	702.5	694.4	691.3	694.4	704.6	713.7	719.8	730.0
30°	741.2	741.2	738.2	735.1	732.1	729.0	731.0	752.4	773.8	788.1	811.5
32.5°	801.3	797.2	790.1	762.6	765.7	765.7	767.7	792.1	828.8	864.4	897.0
35°	861.4	858.3	850.2	830.8	797.2	796.2	807.4	834.9	881.7	946.9	1002.9
37.5°	937.7	934.7	925.5	896.0	864.4	848.1	839.0	878.7	944.9	1049.7	1128.1
40°	1026.3	1025.3	1009.0	971.3	930.6	921.4	900.1	927.6	1021.2	1170.9	1257.4
42.5°	1093.5	1093.5	1081.3	1041.6	1011.0	995.8	982.5	993.7	1111.8	1310.4	1379.6
45°	1140.4	1146.5	1138.3	1119.0	1100.6	1099.6	1088.4	1113.9	1228.9	1457.0	1496.7
47.5°	1198.4	1200.4	1183.1	1177.0	1174.0	1175.0	1191.3	1240.1	1345.0	1588.4	1599.6
50°	1363.3	1361.3	1296.1	1265.6	1249.3	1269.7	1297.2	1364.4	1483.5	1706.5	1688.1
52.5°	1568.0	1538.5	1429.5	1372.5	1360.3	1374.5	1409.2	1483.5	1644.4	1810.3	1758.4
55°	1780.8	1759.4	1687.1	1560.9	1490.6	1510.0	1528.3	1597.5	1794.0	1903.0	1821.5
57.5°	1918.2	1920.3	1916.2	1852.1	1696.3	1672.9	1673.9	1722.8	1919.3	2002.7	1875.5
60°	2031.3	2049.6	2099.5	2085.2	2056.7	1989.5	1865.3	1854.1	2035.3	2073.0	1916.2
62.5°	2091.3	2100.5	2181.9	2253.2	2377.4	2385.6	2242.0	2002.7	2144.3	2121.9	1935.5
65°	2035.3	2041.4	2151.4	2296.0	2594.3	2638.1	2588.2	2237.9	2226.7	2146.3	1926.4
67.5°	1851.0	1861.2	1976.3	2250.2	2725.7	2758.2	2716.5	2541.4	2260.3	2136.1	1872.4
70°	1617.9	1619.9	1752.3	2084.2	2740.9	2769.4	2713.4	2587.2	2243.0	2095.4	1758.4
72.5°	1309.4	1322.6	1459.0	1801.1	2632.0	2659.5	2625.9	2528.1	2203.3	2011.9	1547.6
75°	1006.0	994.8	1125.1	1432.6	2357.1	2464.0	2450.7	2419.2	2098.5	1773.7	1203.5
77.5°	626.2	643.5	769.7	1076.2	1939.6	2113.7	2199.3	2233.9	1820.5	1364.4	691.3
80°	290.2	298.3	438.8	719.8	1435.6	1624.0	1787.9	1785.9	1345.0	811.5	203.6
82.5°	91.6	95.7	176.1	407.3	907.2	1021.2	1145.4	1039.6	467.3	99.8	32.6
85°	38.7	41.7	72.3	152.7	350.3	420.5	487.7	482.6	50.9	26.5	18.3
87.5°	21.4	22.4	27.5	40.7	54.0	57.0	63.1	56.0	11.2	11.2	6.1
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°	475.5	475.5	475.5	475.5	475.5	475.5	475.5	475.5	475.5	475.5	475.5
2.5°	477.5	477.5	479.6	481.6	481.6	482.6	482.6	482.6	482.6	480.6	479.6
5°	477.5	478.5	481.6	484.7	487.7	488.7	490.8	490.8	491.8	492.8	491.8
7.5°	484.7	486.7	490.8	495.9	498.9	500.9	503.0	504.0	504.0	505.0	505.0
10°	496.9	498.9	506.0	511.1	514.2	516.2	515.2	515.2	516.2	515.2	515.2
12.5°	509.1	512.1	520.3	527.4	527.4	524.4	522.3	520.3	519.3	518.3	517.2
15°	527.4	529.5	540.7	544.7	540.7	533.5	526.4	519.3	514.2	511.1	511.1
17.5°	554.9	560.0	572.2	568.1	558.0	542.7	528.4	513.2	500.9	493.8	493.8
20°	590.5	596.6	607.8	598.7	579.3	555.9	530.5	503.0	478.5	464.3	461.2
22.5°	633.3	642.5	646.5	628.2	599.7	568.1	530.5	492.8	454.1	421.5	414.4
25°	685.2	692.4	682.2	650.6	612.9	570.2	525.4	476.5	418.5	373.7	368.6
27.5°	743.3	743.3	715.8	667.9	616.0	562.0	511.1	446.0	373.7	341.1	337.0
30°	814.5	799.3	745.3	678.1	607.8	545.7	482.6	398.1	340.1	311.6	308.5
32.5°	890.9	859.3	773.8	681.2	591.6	517.2	438.8	360.4	315.6	286.1	282.0
35°	983.6	933.7	803.3	674.0	561.0	476.5	386.9	329.9	290.2	257.6	253.5
37.5°	1099.6	1028.4	835.9	658.8	522.3	424.6	346.2	300.4	265.7	230.1	224.0
40°	1219.8	1137.3	884.8	638.4	477.5	377.7	313.6	280.0	247.4	209.7	201.6
42.5°	1338.9	1240.1	946.9	620.1	437.8	346.2	300.4	276.9	241.3	201.6	194.5
45°	1443.8	1330.8	1004.9	598.7	394.0	317.7	294.3	273.9	238.3	197.5	189.4
47.5°	1528.3	1414.2	1060.9	580.4	353.3	298.3	288.1	265.7	230.1	191.4	183.3
50°	1607.7	1482.5	1099.6	565.1	316.7	283.1	274.9	247.4	211.8	175.1	170.0
52.5°	1672.9	1536.4	1124.1	571.2	281.0	266.8	253.5	223.0	187.3	159.9	152.7
55°	1721.7	1567.0	1128.1	561.0	249.5	241.3	226.0	199.6	174.1	150.7	144.6
57.5°	1762.5	1581.2	1112.9	473.5	222.0	210.8	198.5	181.2	156.8	134.4	130.3
60°	1775.7	1580.2	1074.2	336.0	191.4	174.1	178.2	164.9	139.5	118.1	114.0
62.5°	1768.6	1555.8	974.4	234.2	162.9	157.8	163.9	150.7	125.2	105.9	102.8
65°	1730.9	1494.7	823.7	162.9	147.6	150.7	156.8	142.5	116.1	97.7	95.7
67.5°	1644.4	1376.6	602.8	140.5	140.5	145.6	148.7	130.3	80.4	57.0	52.9
70°	1485.5	1145.4	301.4	131.3	132.4	136.4	129.3	93.7	68.2	48.9	46.8
72.5°	1211.6	807.4	106.9	121.2	122.2	117.1	104.9	82.5	59.1	42.8	39.7
75°	787.0	395.1	92.7	113.0	105.9	98.8	92.7	69.2	49.9	30.5	28.5
77.5°	343.1	90.6	86.5	97.7	90.6	87.6	66.2	50.9	33.6	21.4	20.4
80°	58.0	54.0	81.5	72.3	72.3	54.0	40.7	30.5	20.4	13.2	12.2
82.5°	27.5	38.7	63.1	46.8	39.7	26.5	23.4	21.4	15.3	10.2	10.2
85°	20.4	30.5	24.4	21.4	15.3	15.3	17.3	12.2	10.2	5.1	5.1
87.5°	6.1	5.1	5.1	4.1	5.1	2.0	2.0	1.0	0.0	0.0	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)