

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: P510899

Luminaire Tested: **PRV-P-C10-D-UNV-T3-7050-HSS**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510899  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-5)  
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-T3-7050-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 5000K, 600mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4487 lumens  
Efficiency: N/A  
Efficacy: 129.7 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

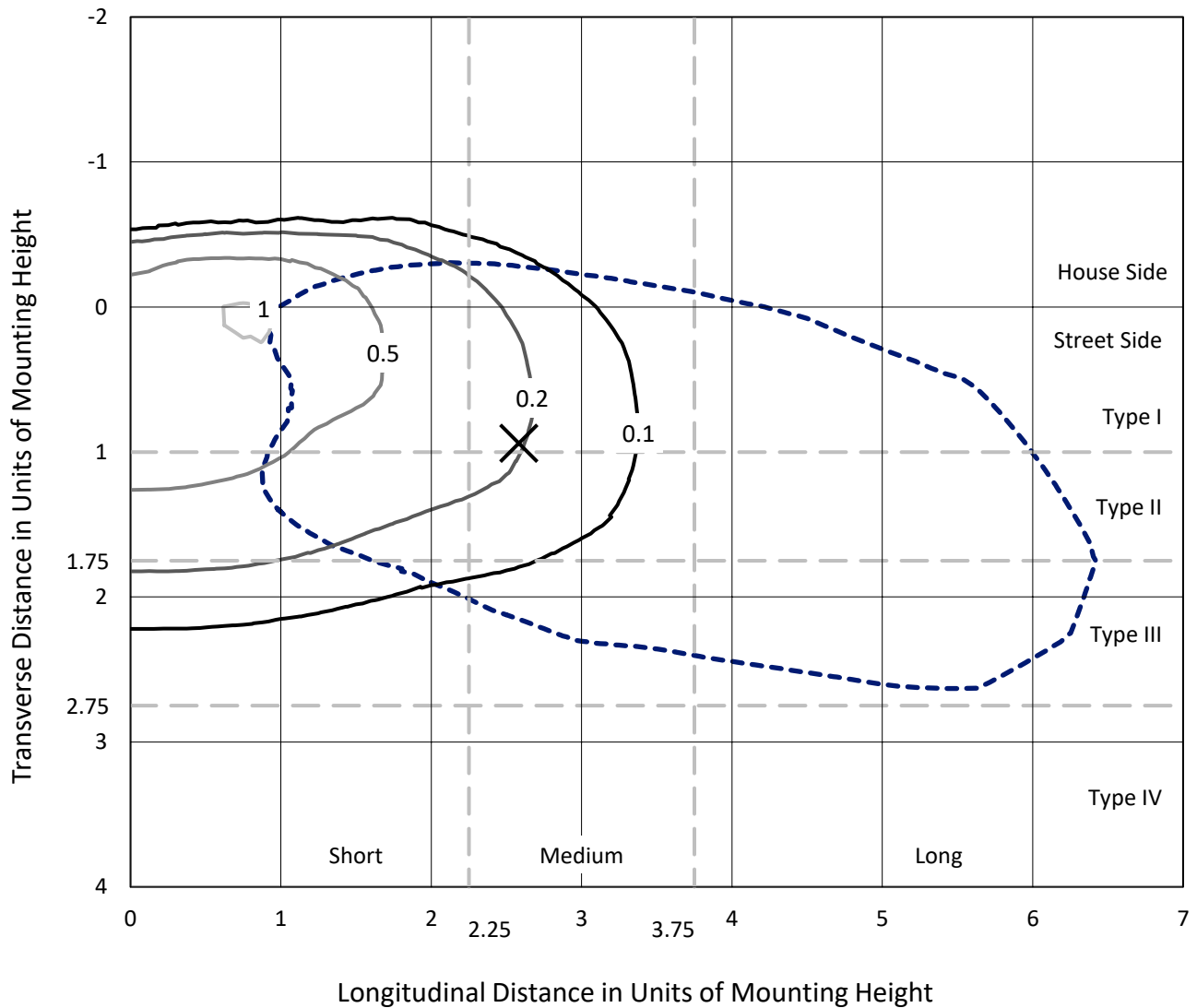
Input Watts (W): 34.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

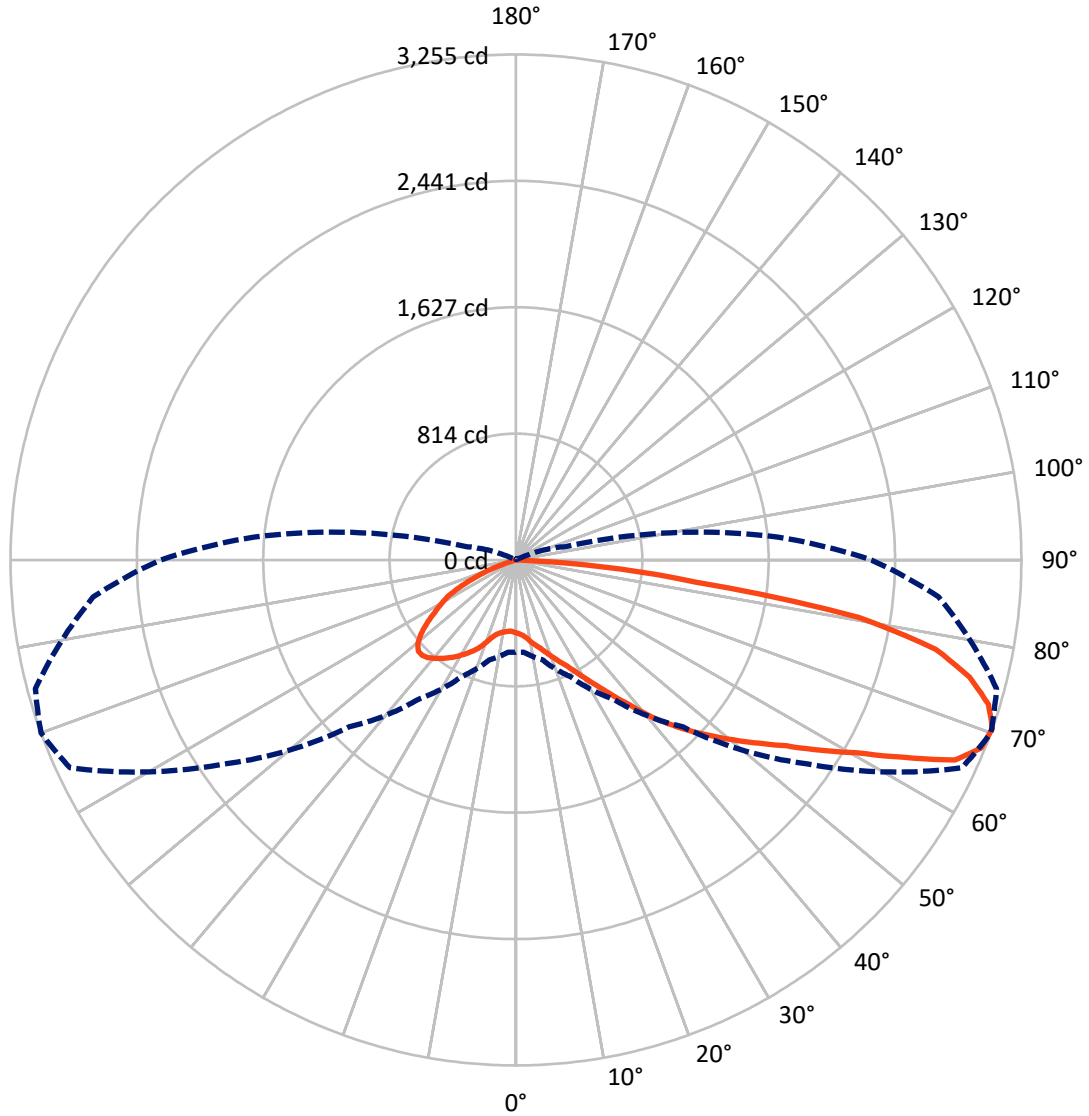
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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

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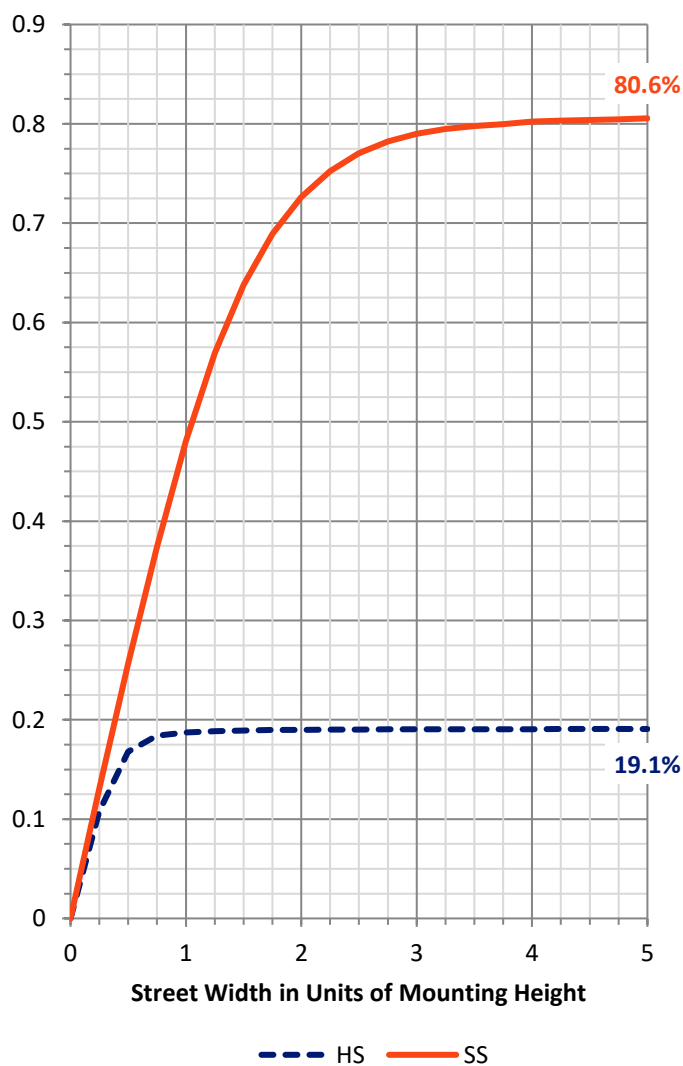
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	865.1	0.0	865.1
	% Fixture	19.3	0.0	19.3
<b>Street Side</b>	Lumens	3621.9	0.0	3621.9
	% Fixture	80.7	0.0	80.7
<b>Total</b>	Lumens	4487.0	0.0	4487.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	45.2	1.0
10°-20°	142.7	3.2
20°-30°	262.1	5.8
30°-40°	438.2	9.8
40°-50°	685.7	15.3
50°-60°	934.8	20.8
60°-70°	1088.5	24.3
70°-80°	761.0	17.0
80°-90°	128.9	2.9
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°	4487.0	100.0
0°-180°	4487.0	100.0

**Coefficient of Utilization**

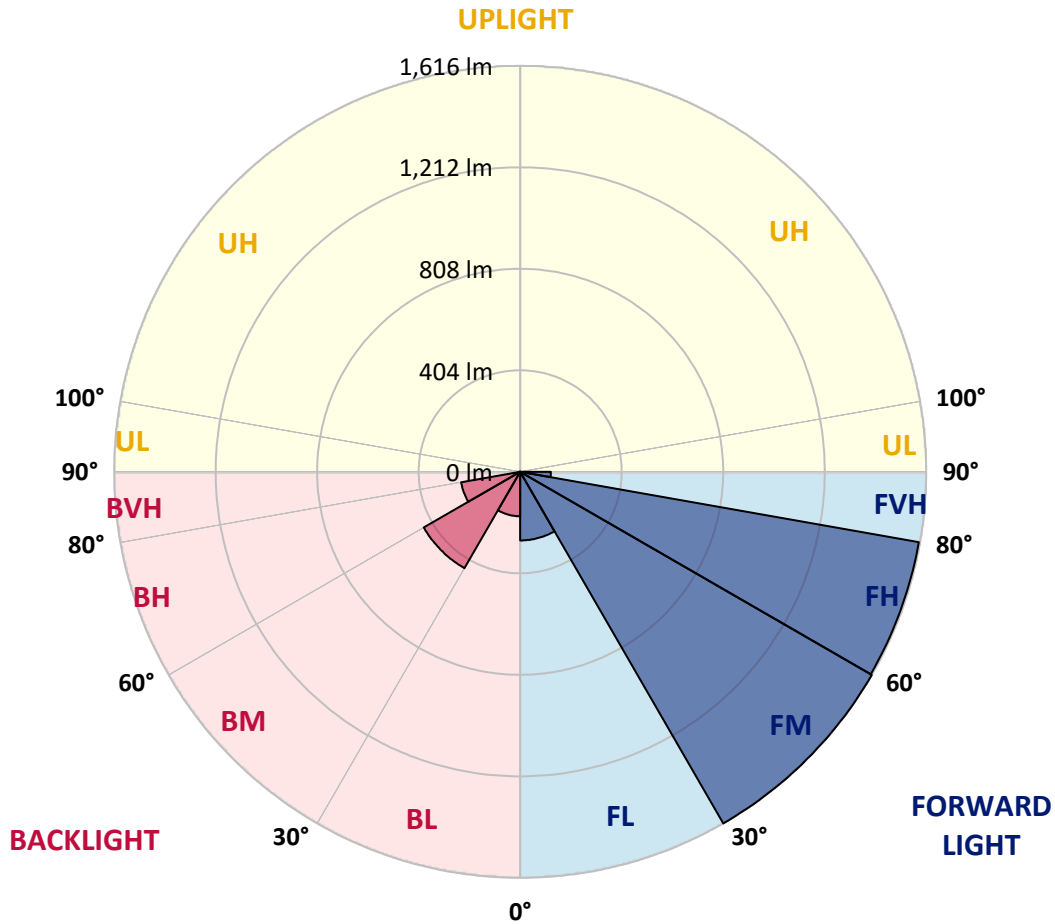


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	273.1	6.1			
FM (30°-60°)	1615.7	36.0			
FH (60°-80°)	1610.9	35.9			G1/1800
FVH (80°-90°)	122.2	2.7			G2/225
BL (0°-30°)	176.8	3.9	B1/500		
BM (30°-60°)	443.0	9.9	B1/1000		
BH (60°-80°)	238.6	5.3	B1/500		G1/500
BVH (80°-90°)	6.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	469.5	469.5	469.5	469.5	469.5	469.5	469.5	469.5	469.5	469.5	469.5
2.5°	486.8	489.9	488.9	489.9	488.9	485.8	481.7	477.6	476.6	475.6	472.6
5°	508.2	510.2	508.2	509.2	507.2	503.1	497.0	490.9	488.9	484.8	477.6
7.5°	526.5	528.6	528.6	531.6	530.6	528.6	521.4	514.3	508.2	504.1	495.0
10°	545.9	546.9	547.9	552.0	555.1	555.1	548.9	542.8	537.7	530.6	516.4
12.5°	558.1	559.1	561.2	566.3	573.4	577.5	574.4	568.3	563.2	557.1	538.8
15°	563.2	564.2	569.3	578.5	588.7	594.8	595.8	591.7	589.7	583.6	565.2
17.5°	576.4	578.5	581.5	593.8	601.9	612.1	621.2	627.4	625.3	619.2	599.9
20°	596.8	599.9	601.9	611.1	617.2	635.5	653.8	665.0	664.0	660.0	640.6
22.5°	622.3	623.3	625.3	631.4	642.6	663.0	688.5	701.7	707.8	703.7	688.5
25°	650.8	650.8	648.7	657.9	673.2	695.6	726.1	748.6	752.6	755.7	758.7
27.5°	684.4	685.4	682.4	690.5	704.8	731.2	768.9	800.5	812.7	816.8	846.3
30°	764.8	763.8	751.6	729.2	746.5	776.1	815.8	868.7	886.0	904.4	959.4
32.5°	869.7	867.7	867.7	818.8	791.3	823.9	868.7	935.9	968.5	1019.5	1081.6
35°	966.5	966.5	963.4	935.9	883.0	875.9	924.7	1014.4	1068.3	1161.0	1211.9
37.5°	1052.1	1052.1	1057.1	1026.6	992.0	953.3	996.0	1098.9	1179.4	1300.6	1338.2
40°	1130.5	1133.5	1137.6	1122.3	1095.8	1064.3	1068.3	1192.6	1317.9	1450.3	1479.8
42.5°	1186.5	1194.6	1219.1	1200.7	1204.8	1185.5	1153.9	1281.2	1443.1	1574.5	1600.0
45°	1239.4	1242.5	1260.8	1272.0	1299.5	1291.4	1269.0	1371.8	1567.4	1699.8	1704.9
47.5°	1277.1	1277.1	1293.4	1331.1	1381.0	1396.3	1388.1	1473.7	1692.7	1810.8	1815.9
50°	1291.4	1293.4	1330.1	1384.1	1467.6	1498.1	1509.3	1606.1	1823.0	1932.0	1917.7
52.5°	1307.7	1314.8	1362.7	1429.9	1540.9	1602.0	1629.5	1780.2	1959.5	2052.2	2022.6
55°	1315.8	1329.1	1372.9	1456.4	1593.9	1690.6	1736.4	1945.2	2112.2	2175.4	2143.8
57.5°	1252.7	1274.1	1353.5	1457.4	1627.5	1762.9	1854.6	2130.6	2310.8	2328.2	2243.6
60°	1166.1	1176.3	1269.0	1432.9	1618.3	1821.0	1991.1	2352.6	2518.6	2525.7	2365.8
62.5°	1071.4	1071.4	1162.0	1350.5	1576.5	1829.1	2115.3	2629.6	2798.7	2738.6	2494.2
65°	946.1	953.3	1042.9	1215.0	1482.9	1796.5	2210.0	2902.6	3106.2	3049.2	2621.5
67.5°	789.3	795.4	875.9	1038.8	1307.7	1699.8	2274.2	3106.2	3231.5	3180.6	2718.2
70°	592.7	596.8	666.1	828.0	1093.8	1519.5	2290.5	3168.4	3254.9	3204.0	2732.5
72.5°	335.1	324.9	405.3	544.9	791.3	1235.4	2227.3	3132.7	3181.6	3125.6	2622.5
75°	50.9	60.1	86.6	200.6	406.4	810.7	1966.6	2962.6	3017.6	2951.4	2419.8
77.5°	36.7	37.7	48.9	73.3	123.2	297.4	1252.7	2664.2	2764.1	2683.6	2098.0
80°	26.5	26.5	34.6	51.9	83.5	115.1	483.8	1977.8	2237.5	2207.0	1570.4
82.5°	18.3	19.4	24.4	37.7	58.1	81.5	139.5	947.2	1166.1	1197.7	772.0
85°	12.2	12.2	17.3	26.5	38.7	49.9	56.0	408.4	553.0	575.4	322.8
87.5°	7.1	7.1	10.2	16.3	24.4	30.6	27.5	32.6	28.5	26.5	14.3
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°	469.5	469.5	469.5	469.5	469.5	469.5	469.5	469.5	469.5	469.5	469.5
2.5°	470.5	468.5	464.4	461.4	457.3	452.2	447.1	445.1	440.0	438.9	435.9
5°	474.6	470.5	463.4	455.2	445.1	434.9	423.7	417.6	412.5	408.4	411.5
7.5°	488.9	481.7	470.5	456.3	438.9	422.7	408.4	396.2	389.0	386.0	386.0
10°	508.2	499.0	480.7	459.3	435.9	414.5	393.1	376.8	365.6	360.5	359.5
12.5°	529.6	518.4	493.9	464.4	435.9	406.4	381.9	359.5	344.2	337.1	336.1
15°	552.0	539.8	510.2	476.6	443.0	408.4	374.8	345.3	323.9	311.6	310.6
17.5°	585.6	571.3	536.7	501.1	460.3	416.5	372.7	330.0	296.4	280.1	278.0
20°	626.3	612.1	581.5	534.7	480.7	422.7	361.5	306.6	266.8	245.4	245.4
22.5°	678.3	679.3	634.5	566.3	492.9	418.6	348.3	281.1	227.1	199.6	197.6
25°	758.7	753.6	684.4	590.7	499.0	405.3	322.8	235.3	172.1	145.6	140.5
27.5°	851.4	824.9	730.2	610.0	493.9	390.1	283.1	176.2	115.1	91.7	88.6
30°	943.1	905.4	775.0	628.4	483.8	357.5	219.0	110.0	73.3	61.1	59.1
32.5°	1052.1	999.1	828.0	641.6	471.5	307.6	147.7	69.3	47.9	40.7	38.7
35°	1172.2	1093.8	882.0	646.7	447.1	241.4	85.5	42.8	29.5	29.5	30.6
37.5°	1296.5	1210.9	942.1	645.7	404.3	160.9	53.0	24.4	24.4	29.5	31.6
40°	1417.7	1312.8	1005.2	637.5	338.1	92.7	27.5	20.4	22.4	27.5	28.5
42.5°	1532.8	1404.4	1071.4	621.2	251.6	51.9	21.4	19.4	21.4	23.4	23.4
45°	1634.6	1504.2	1125.4	596.8	157.9	27.5	20.4	18.3	18.3	19.4	20.4
47.5°	1724.2	1587.8	1171.2	548.9	84.5	25.5	19.4	17.3	16.3	17.3	17.3
50°	1813.8	1661.1	1189.5	472.6	39.7	25.5	19.4	16.3	15.3	18.3	18.3
52.5°	1900.4	1744.6	1183.4	370.7	28.5	23.4	18.3	16.3	15.3	19.4	20.4
55°	1994.1	1825.0	1173.2	235.3	28.5	22.4	17.3	14.3	14.3	14.3	15.3
57.5°	2083.7	1897.4	1155.9	98.8	27.5	20.4	15.3	12.2	11.2	12.2	12.2
60°	2181.5	1977.8	1080.6	39.7	26.5	18.3	13.2	11.2	9.2	10.2	10.2
62.5°	2285.4	2028.7	948.2	31.6	24.4	16.3	11.2	9.2	8.1	8.1	9.2
65°	2362.8	2029.8	745.5	27.5	23.4	14.3	10.2	8.1	7.1	7.1	7.1
67.5°	2372.0	1912.6	543.8	24.4	21.4	12.2	8.1	7.1	6.1	5.1	6.1
70°	2288.4	1689.6	332.0	23.4	18.3	10.2	7.1	6.1	5.1	4.1	5.1
72.5°	2123.5	1440.1	130.4	21.4	16.3	8.1	6.1	6.1	4.1	3.1	3.1
75°	1863.7	1124.4	32.6	19.4	14.3	7.1	5.1	5.1	4.1	2.0	2.0
77.5°	1497.1	661.0	24.4	16.3	12.2	5.1	4.1	4.1	2.0	2.0	2.0
80°	836.1	249.5	18.3	11.2	7.1	4.1	2.0	2.0	2.0	2.0	2.0
82.5°	332.0	51.9	13.2	6.1	4.1	2.0	1.0	1.0	1.0	2.0	2.0
85°	71.3	16.3	8.1	4.1	2.0	1.0	1.0	1.0	1.0	1.0	2.0
87.5°	5.1	5.1	3.1	3.1	2.0	1.0	1.0	1.0	1.0	1.0	1.0
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)