

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: P510911

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

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510911  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-7)  
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-HSS  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 5000K, 600mA LED AND TYPE IV OPTIC WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

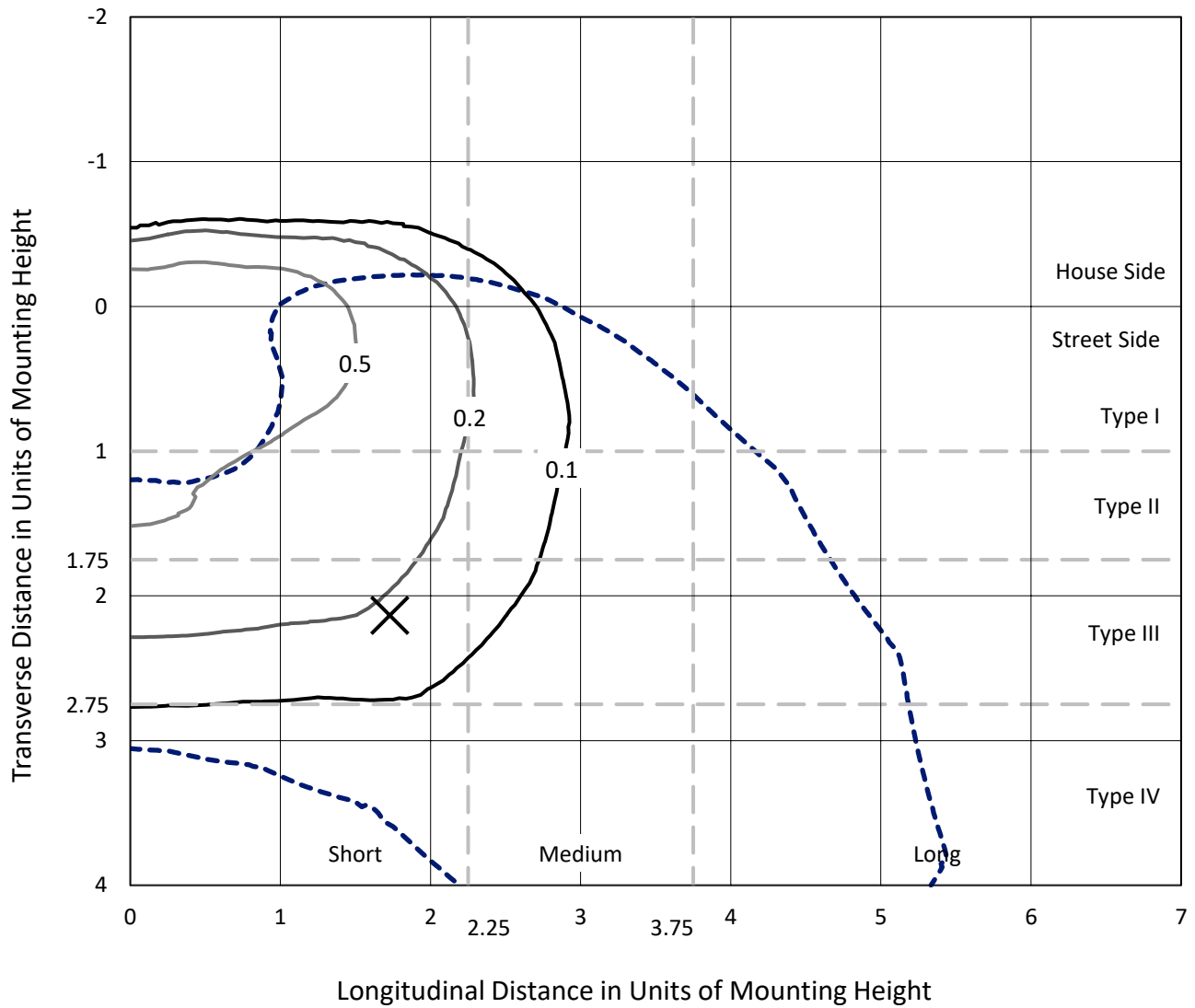
Lumens per Lamp: N/A  
Luminaire Lumens: 4578 lumens  
Efficiency: N/A  
Efficacy: 132.3 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 34.6  
Input Voltage (V): NR  
Input Current (Ain): 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

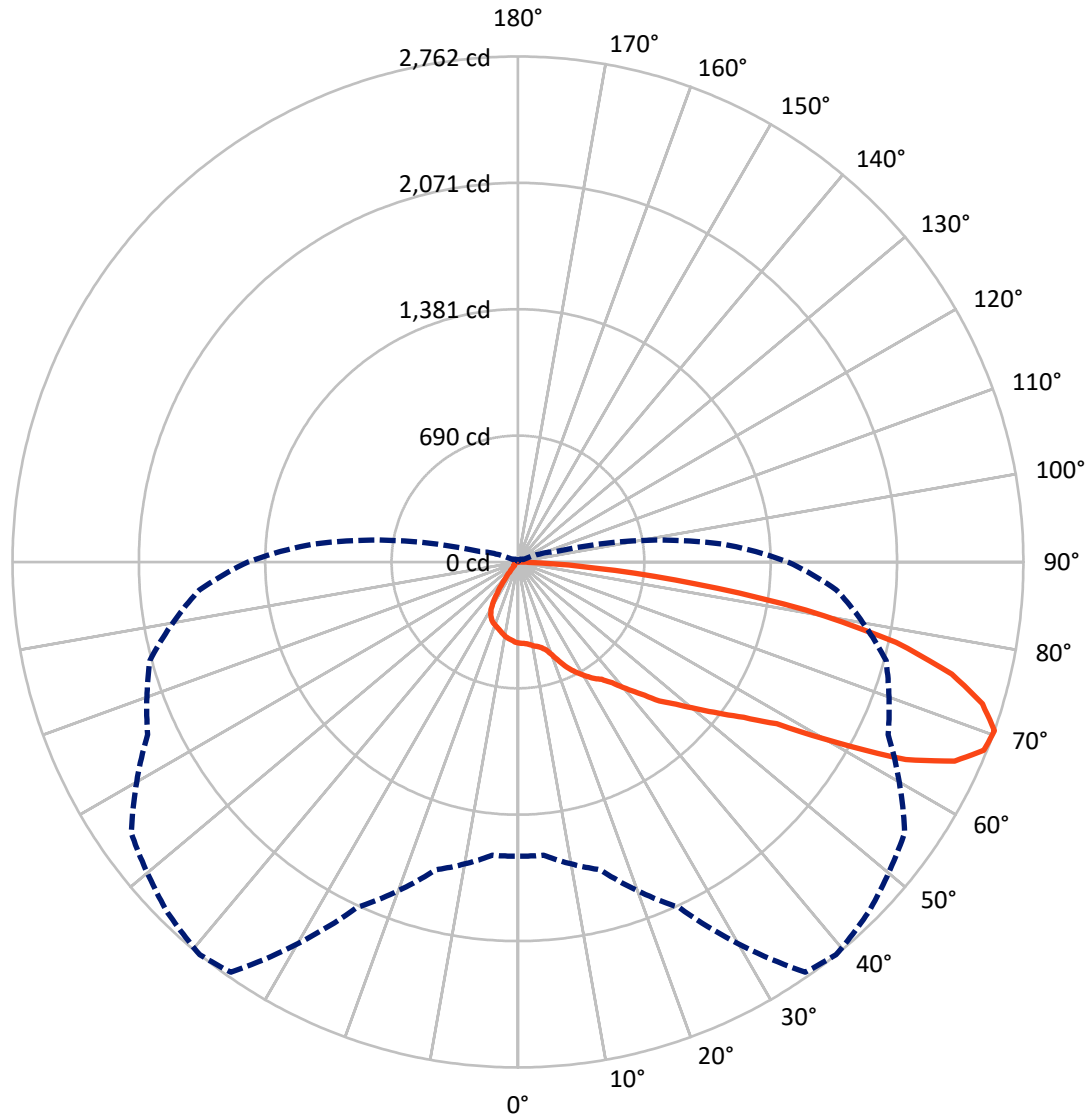
✕ Max cd  
 - - - 1/2 Max cd



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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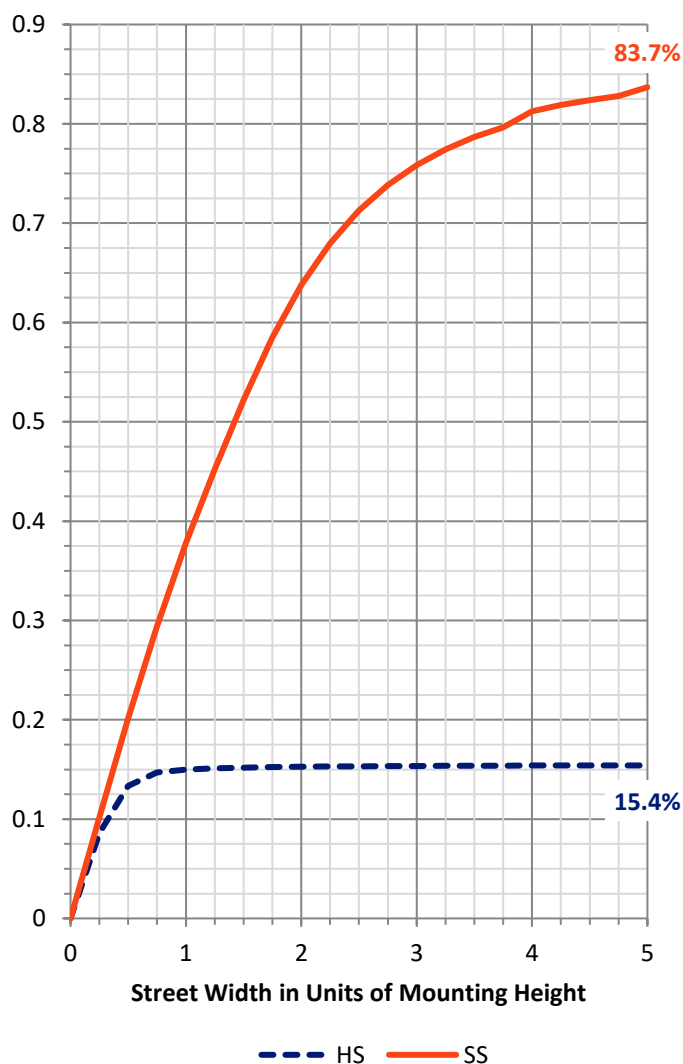
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	712.3	0.0	712.3
	% Fixture	15.6	0.0	15.6
<b>Street Side</b>	Lumens	3865.7	0.0	3865.7
	% Fixture	84.4	0.0	84.4
<b>Total</b>	Lumens	4578.0	0.0	4578.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.1	0.9
10°-20°	128.7	2.8
20°-30°	241.2	5.3
30°-40°	380.8	8.3
40°-50°	593.4	13.0
50°-60°	898.0	19.6
60°-70°	1202.6	26.3
70°-80°	926.0	20.2
80°-90°	165.1	3.6
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°	4578.0	100.0
0°-180°	4578.0	100.0

**Coefficient of Utilization**

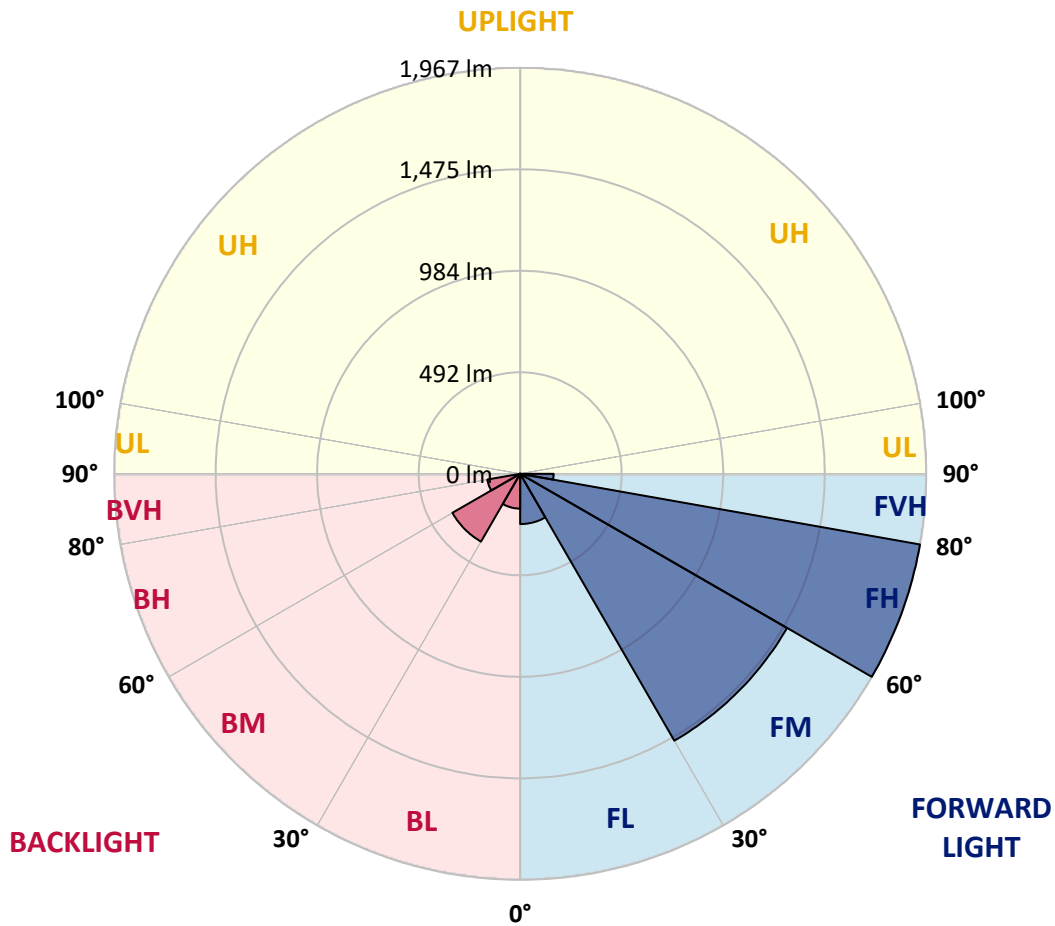


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	243.5	5.3			
FM (30°-60°)	1493.0	32.6			
FH (60°-80°)	1967.2	43.0			G2/5000
FVH (80°-90°)	161.9	3.5			G2/225
BL (0°-30°)	168.5	3.7	B1/500		
BM (30°-60°)	379.2	8.3	B1/1000		
BH (60°-80°)	161.4	3.5	B1/500		G1/500
BVH (80°-90°)	3.2	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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	443.0	443.0	443.0	443.0	443.0	443.0	443.0	443.0	443.0	443.0	443.0
2.5°	443.0	445.0	445.0	445.0	445.0	445.0	445.0	444.0	445.0	447.0	445.0
5°	445.0	446.0	446.0	448.0	448.0	448.0	448.0	447.0	448.0	448.0	446.0
7.5°	450.1	450.1	451.1	453.1	455.2	455.2	455.2	456.2	456.2	454.2	453.1
10°	455.2	455.2	456.2	460.3	464.3	466.4	467.4	469.4	470.4	468.4	465.4
12.5°	461.3	461.3	462.3	466.4	471.5	473.5	476.6	480.6	482.7	481.6	477.6
15°	470.4	470.4	472.5	476.6	484.7	485.7	489.8	495.9	499.0	499.0	494.9
17.5°	502.0	504.0	502.0	501.0	505.1	507.1	510.2	517.3	523.4	523.4	522.4
20°	563.1	560.1	557.0	552.9	546.8	546.8	543.8	544.8	549.9	558.0	557.0
22.5°	618.1	619.1	616.1	608.9	598.7	595.7	589.6	587.5	587.5	595.7	597.7
25°	662.9	666.0	664.9	654.8	643.6	644.6	643.6	641.5	639.5	640.5	644.6
27.5°	699.6	700.6	697.5	691.4	684.3	684.3	684.3	688.4	698.5	698.5	699.6
30°	729.1	731.1	728.1	726.0	723.0	720.9	720.9	736.2	757.6	772.9	782.0
32.5°	791.2	784.1	774.9	754.5	757.6	757.6	759.6	780.0	816.7	845.2	874.7
35°	847.2	848.2	835.0	820.7	788.1	787.1	798.3	824.8	871.6	928.7	980.6
37.5°	920.5	920.5	909.3	883.9	853.3	837.0	831.9	868.6	932.7	1030.5	1096.7
40°	1015.2	1015.2	995.9	960.2	920.5	909.3	889.0	917.5	1005.0	1160.8	1224.0
42.5°	1081.4	1080.4	1067.2	1030.5	997.9	984.7	975.5	984.7	1104.8	1301.4	1362.5
45°	1128.3	1134.4	1126.2	1109.9	1094.7	1082.4	1079.4	1099.7	1214.8	1444.9	1471.4
47.5°	1186.3	1191.4	1171.0	1162.9	1163.9	1160.8	1182.2	1237.2	1333.9	1568.2	1573.2
50°	1354.3	1349.2	1282.0	1249.4	1245.4	1258.6	1297.3	1349.2	1469.4	1682.2	1663.9
52.5°	1573.2	1536.6	1420.5	1364.5	1351.3	1371.6	1399.1	1476.5	1640.5	1794.2	1735.2
55°	1781.0	1760.6	1679.1	1535.6	1484.7	1497.9	1522.3	1593.6	1786.1	1886.9	1801.3
57.5°	1929.6	1923.5	1914.4	1848.2	1682.2	1666.9	1670.0	1717.8	1905.2	1990.7	1857.3
60°	2030.5	2045.7	2094.6	2086.5	2063.0	2003.0	1865.5	1849.2	2024.3	2057.9	1900.1
62.5°	2086.5	2094.6	2178.1	2247.3	2374.6	2377.7	2248.4	1998.9	2128.2	2109.9	1917.4
65°	2024.3	2040.6	2146.5	2289.1	2582.4	2622.1	2578.3	2250.4	2218.8	2135.3	1910.3
67.5°	1858.4	1861.4	1983.6	2246.3	2724.9	2745.3	2707.6	2535.5	2249.4	2123.1	1853.3
70°	1606.8	1608.9	1741.3	2082.4	2736.1	2761.6	2707.6	2579.3	2232.1	2082.4	1746.4
72.5°	1300.3	1323.8	1450.0	1809.5	2635.3	2653.6	2621.1	2519.2	2190.3	2009.1	1528.4
75°	981.6	989.8	1123.2	1418.5	2357.3	2447.9	2460.2	2411.3	2096.6	1757.6	1177.1
77.5°	625.2	634.4	764.7	1079.4	1937.8	2111.9	2213.7	2207.6	1799.3	1377.7	699.6
80°	293.3	296.3	435.8	734.2	1432.7	1594.6	1765.7	1783.0	1369.6	764.7	203.7
82.5°	82.5	91.6	167.0	409.3	912.4	975.5	1153.7	1082.4	445.0	90.6	29.5
85°	36.7	38.7	68.2	151.7	355.4	423.6	495.9	470.4	51.9	25.5	17.3
87.5°	21.4	22.4	27.5	39.7	55.0	56.0	70.3	62.1	12.2	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°	443.0	443.0	443.0	443.0	443.0	443.0	443.0	443.0	443.0	443.0	443.0
2.5°	445.0	444.0	444.0	443.0	440.9	438.9	436.8	435.8	433.8	433.8	431.8
5°	445.0	444.0	441.9	439.9	435.8	430.7	425.6	422.6	420.5	418.5	420.5
7.5°	452.1	450.1	446.0	440.9	433.8	425.6	418.5	412.4	408.3	407.3	407.3
10°	463.3	461.3	454.2	445.0	432.8	420.5	407.3	398.1	392.0	390.0	388.0
12.5°	474.5	472.5	463.3	449.1	431.8	411.4	393.1	380.8	370.7	368.6	365.6
15°	492.8	488.8	476.6	456.2	430.7	403.2	377.8	359.5	346.2	341.1	338.1
17.5°	519.3	515.2	500.0	471.5	436.8	398.1	362.5	333.0	312.6	303.4	301.4
20°	556.0	550.9	529.5	491.8	447.0	397.1	348.3	305.5	272.9	256.6	252.5
22.5°	598.7	592.6	566.2	515.2	458.2	396.1	334.0	280.0	235.2	208.7	196.5
25°	645.6	643.6	598.7	534.6	464.3	389.0	316.7	254.6	192.5	149.7	143.6
27.5°	704.7	693.4	629.3	547.8	462.3	373.7	295.3	213.8	133.4	102.8	97.8
30°	776.9	749.5	661.9	559.0	453.1	354.4	259.7	148.7	82.5	65.2	63.1
32.5°	856.4	811.6	692.4	563.1	437.9	325.8	194.5	87.6	48.9	37.7	37.7
35°	948.0	883.9	725.0	559.0	410.4	273.9	120.2	46.8	26.5	23.4	23.4
37.5°	1058.0	978.6	758.6	545.8	372.7	204.7	68.2	23.4	21.4	20.4	20.4
40°	1180.2	1091.6	805.5	523.4	320.8	135.4	30.5	20.4	20.4	19.3	19.3
42.5°	1298.3	1195.5	861.5	494.9	261.7	77.4	23.4	21.4	18.3	17.3	17.3
45°	1405.2	1285.1	909.3	460.3	194.5	37.7	24.4	18.3	16.3	16.3	16.3
47.5°	1493.8	1368.6	943.9	424.6	130.3	26.5	25.5	17.3	15.3	14.3	14.3
50°	1573.2	1427.6	963.3	378.8	70.3	26.5	22.4	17.3	14.3	14.3	14.3
52.5°	1639.4	1479.6	967.4	318.7	34.6	26.5	23.4	17.3	13.2	15.3	15.3
55°	1692.4	1509.1	950.1	251.5	29.5	24.4	23.4	16.3	13.2	16.3	17.3
57.5°	1734.1	1521.3	913.4	173.1	29.5	23.4	23.4	15.3	12.2	13.2	13.2
60°	1752.5	1522.3	860.4	96.7	28.5	23.4	22.4	15.3	11.2	9.2	9.2
62.5°	1747.4	1499.9	768.8	49.9	25.5	22.4	20.4	14.3	9.2	6.1	6.1
65°	1709.7	1441.9	650.7	36.7	23.4	21.4	19.3	13.2	8.1	5.1	5.1
67.5°	1625.2	1326.8	478.6	33.6	24.4	20.4	17.3	12.2	7.1	4.1	4.1
70°	1475.5	1124.2	225.0	31.6	25.5	20.4	16.3	11.2	6.1	3.1	3.1
72.5°	1181.2	771.9	53.0	27.5	24.4	19.3	16.3	9.2	4.1	2.0	2.0
75°	776.9	357.4	39.7	23.4	22.4	17.3	14.3	10.2	4.1	1.0	1.0
77.5°	339.1	65.2	35.6	18.3	22.4	19.3	12.2	7.1	2.0	0.0	0.0
80°	48.9	36.7	34.6	12.2	20.4	11.2	5.1	2.0	1.0	0.0	0.0
82.5°	25.5	31.6	31.6	7.1	9.2	2.0	2.0	1.0	0.0	0.0	0.0
85°	19.3	28.5	12.2	5.1	2.0	1.0	1.0	1.0	0.0	0.0	0.0
87.5°	6.1	4.1	3.1	2.0	1.0	1.0	1.0	1.0	1.0	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)