

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: P510888

Luminaire Tested: **PRV-P-C10-D-UNV-T2-7050**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P510888  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-2)  
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-T2-7050  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 5000K, 600mA LED AND TYPE II OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4863 lumens  
Efficiency: N/A  
Efficacy: 140.5 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

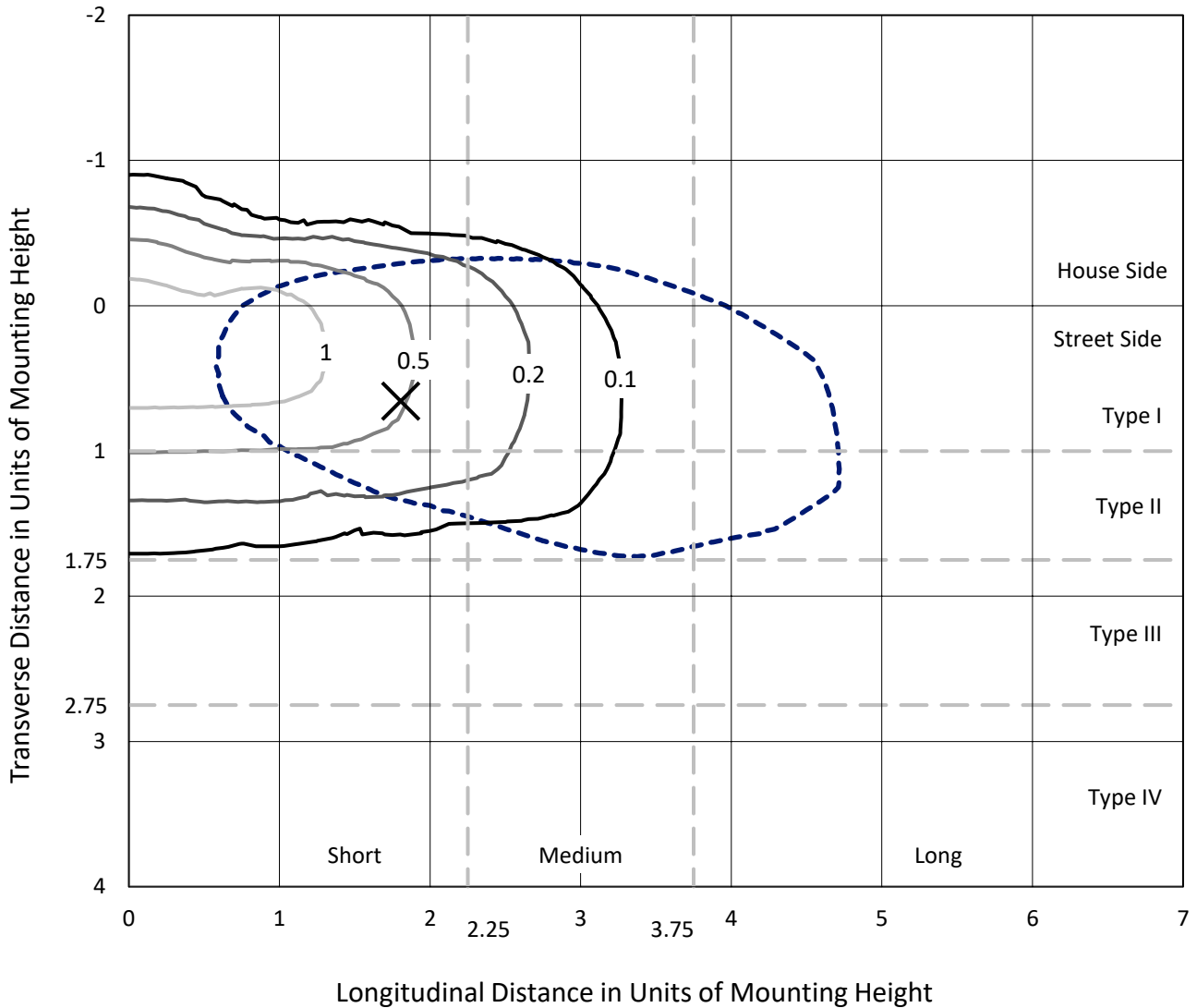
Input Watts (W): 34.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

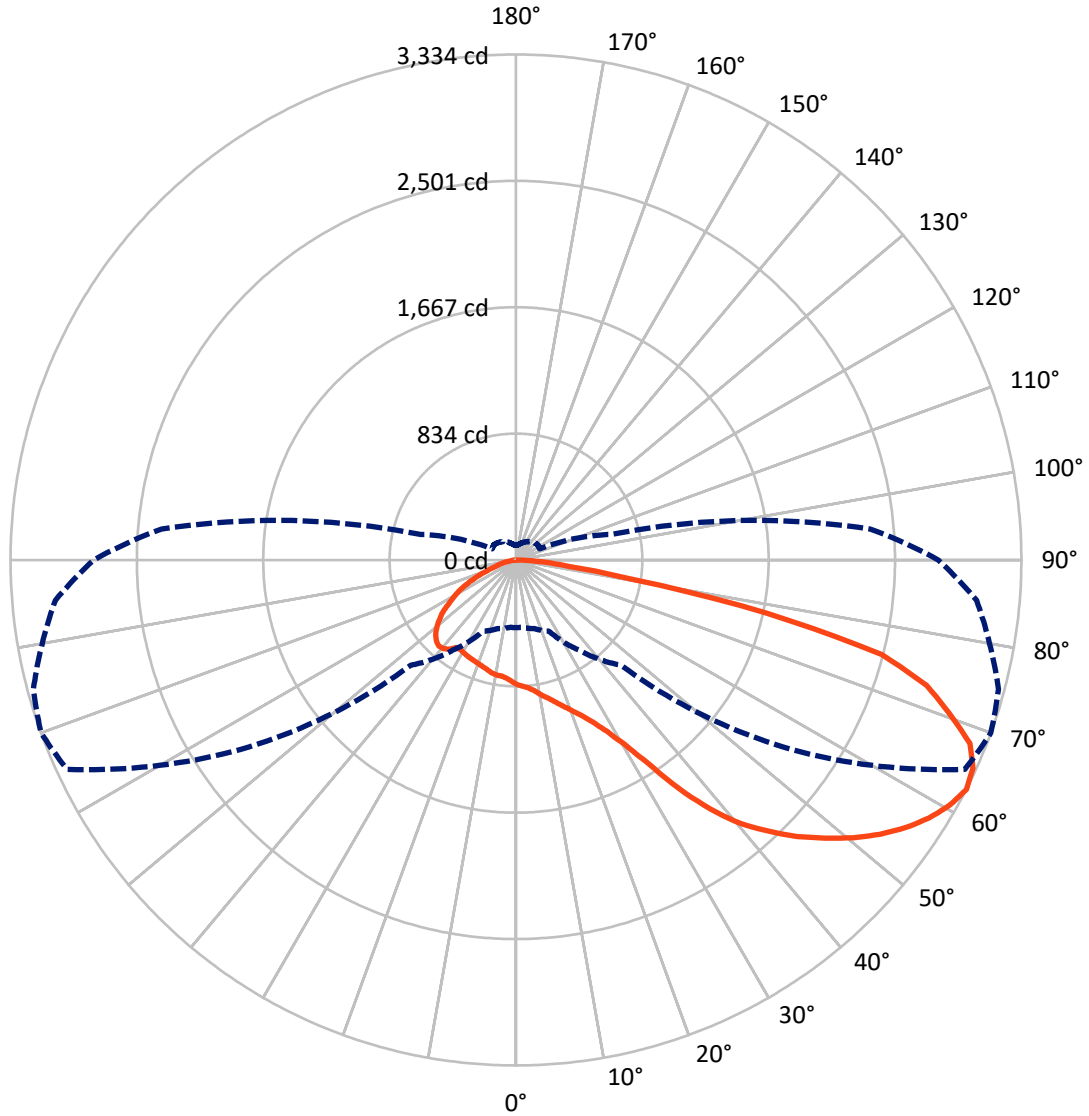
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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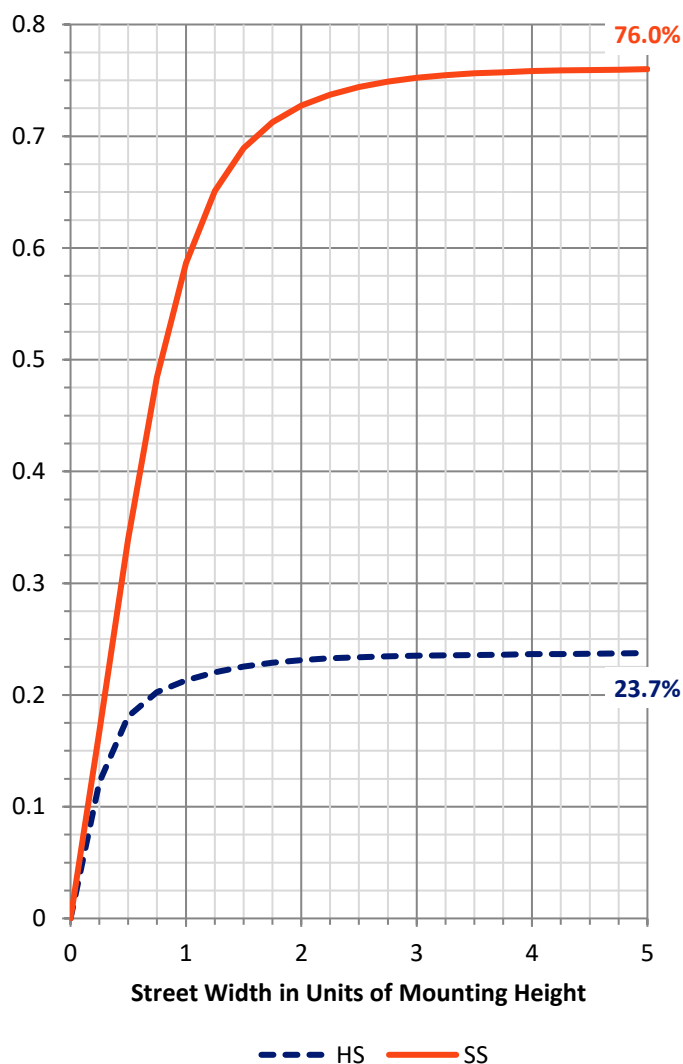
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1168.4	0.0	1168.4
	% Fixture	24.0	0.0	24.0
<b>Street Side</b>	Lumens	3694.6	0.0	3694.6
	% Fixture	76.0	0.0	76.0
<b>Total</b>	Lumens	4863.0	0.0	4863.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.8	1.6
10°-20°	241.5	5.0
20°-30°	410.7	8.4
30°-40°	620.9	12.8
40°-50°	856.9	17.6
50°-60°	1000.6	20.6
60°-70°	982.7	20.2
70°-80°	590.0	12.1
80°-90°	80.8	1.7
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°	4863.0	100.0
0°-180°	4863.0	100.0

**Coefficient of Utilization**

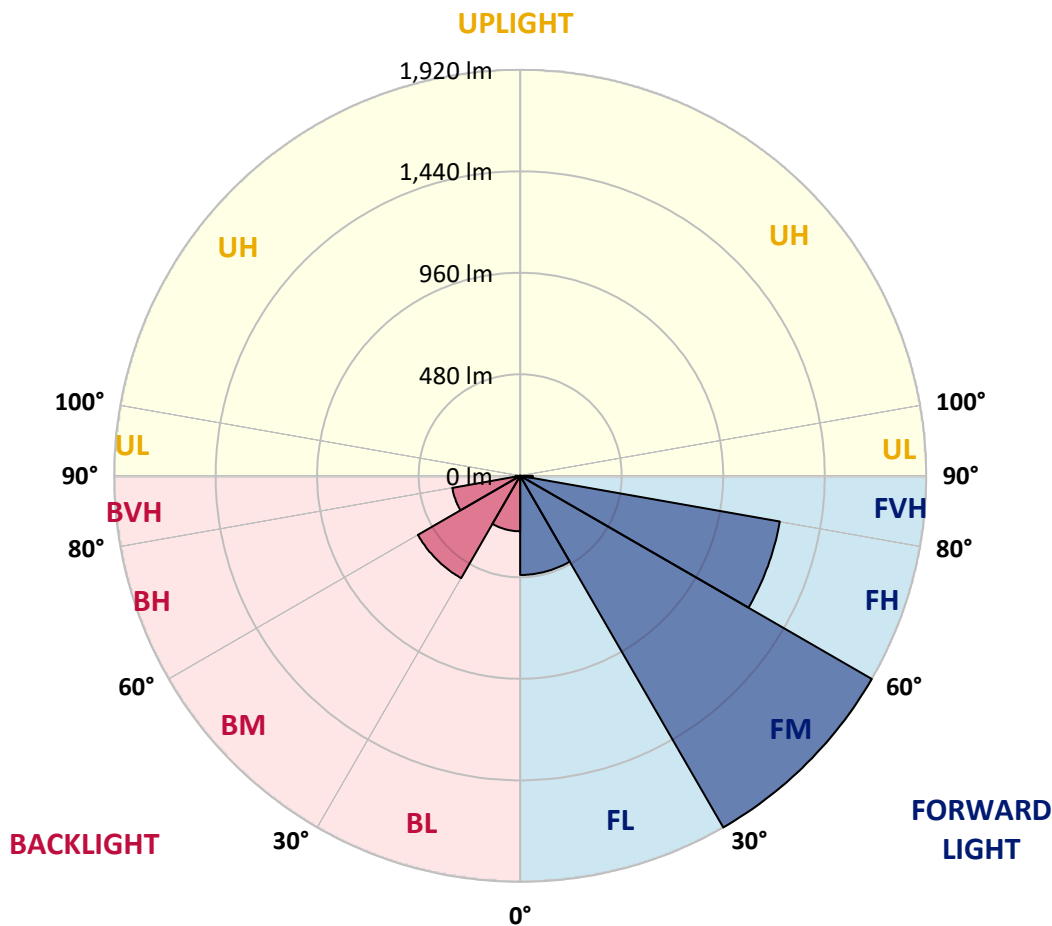


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	468.7	9.6			
FM (30°-60°)	1919.7	39.5			
FH (60°-80°)	1246.7	25.6			G1/1800
FVH (80°-90°)	59.6	1.2			G1/100
BL (0°-30°)	262.3	5.4	B1/500		
BM (30°-60°)	558.8	11.5	B1/1000		
BH (60°-80°)	326.0	6.7	B1/500		G1/500
BVH (80°-90°)	21.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	820.8	820.8	820.8	820.8	820.8	820.8	820.8	820.8	820.8	820.8	820.8
2.5°	869.7	870.7	864.6	861.5	857.4	854.4	846.2	839.1	834.0	829.9	821.8
5°	918.5	917.5	911.4	900.2	893.1	882.9	865.6	853.4	846.2	838.1	821.8
7.5°	967.4	963.3	957.2	947.0	937.9	923.6	905.3	880.9	870.7	857.4	832.0
10°	1008.1	1008.1	1006.1	996.9	986.8	967.4	949.1	920.6	903.3	883.9	847.3
12.5°	1048.9	1047.9	1041.8	1036.7	1026.5	1009.2	987.8	956.2	933.8	913.4	863.5
15°	1090.6	1088.6	1081.5	1074.3	1060.1	1046.8	1025.5	995.9	971.5	946.0	882.9
17.5°	1134.4	1131.4	1122.2	1118.1	1101.8	1088.6	1071.3	1039.7	1014.3	983.7	910.4
20°	1167.0	1166.0	1157.8	1155.8	1147.7	1132.4	1119.1	1091.7	1061.1	1028.5	942.0
22.5°	1192.5	1192.5	1190.4	1194.5	1197.6	1187.4	1170.1	1146.6	1114.1	1082.5	982.7
25°	1210.8	1210.8	1217.9	1230.1	1247.5	1246.4	1238.3	1214.9	1187.4	1151.7	1034.6
27.5°	1216.9	1217.9	1228.1	1259.7	1298.4	1309.6	1305.5	1299.4	1280.0	1236.3	1105.9
30°	1216.9	1217.9	1239.3	1284.1	1346.2	1375.8	1388.0	1415.5	1409.4	1376.8	1227.1
32.5°	1199.6	1201.6	1229.1	1292.3	1378.8	1434.8	1479.6	1569.3	1595.7	1601.8	1451.1
35°	1136.5	1141.6	1186.4	1281.1	1405.3	1507.1	1597.8	1772.9	1852.3	1859.5	1690.4
37.5°	1081.5	1084.5	1145.6	1258.7	1421.6	1573.3	1725.1	2000.0	2085.5	2084.5	1875.8
40°	1029.5	1035.6	1093.7	1223.0	1419.6	1631.4	1854.4	2203.7	2289.2	2255.6	2031.6
42.5°	970.5	977.6	1033.6	1178.2	1406.3	1684.3	1979.6	2391.0	2446.0	2426.7	2186.4
45°	907.3	910.4	968.4	1104.9	1375.8	1716.9	2099.8	2556.0	2601.8	2566.2	2323.8
47.5°	850.3	854.4	903.3	1031.6	1317.7	1727.1	2205.7	2702.7	2741.4	2711.8	2447.1
50°	676.2	688.4	832.0	965.4	1232.2	1705.7	2305.5	2834.0	2879.8	2841.1	2576.4
52.5°	583.5	590.6	647.7	897.2	1118.1	1648.7	2375.8	2966.4	3006.1	2955.2	2688.4
55°	545.8	546.8	580.4	766.8	1024.4	1551.9	2417.5	3086.6	3117.1	3067.2	2800.4
57.5°	512.2	517.3	546.8	625.3	933.8	1376.8	2419.6	3177.2	3211.8	3149.7	2892.1
60°	474.5	478.6	512.2	565.2	829.9	1149.7	2335.0	3255.6	3286.2	3233.2	2982.7
62.5°	445.0	446.0	468.4	519.3	726.1	982.7	2150.7	3266.8	3334.0	3295.3	3049.9
65°	409.4	411.4	433.8	478.6	641.5	854.4	1943.0	3203.7	3312.6	3313.7	3086.6
67.5°	363.5	364.6	389.0	433.8	555.0	755.6	1600.8	3138.5	3229.1	3246.4	3013.2
70°	302.4	308.6	329.9	372.7	470.5	639.5	1216.9	2956.2	3034.6	3079.4	2822.8
72.5°	229.1	239.3	265.8	310.6	377.8	535.6	855.4	2675.2	2833.0	2864.6	2543.8
75°	47.9	48.9	79.4	164.0	305.5	415.5	586.6	2034.6	2491.9	2544.8	2161.9
77.5°	21.4	23.4	36.7	55.0	98.8	267.8	383.9	1067.2	1692.5	1986.8	1706.7
80°	16.3	17.3	29.5	43.8	61.1	80.4	189.4	586.6	786.2	1098.8	1148.7
82.5°	9.2	10.2	19.3	31.6	38.7	36.7	78.4	254.6	352.3	446.0	560.1
85°	5.1	6.1	11.2	17.3	16.3	18.3	34.6	135.4	200.6	264.8	283.1
87.5°	2.0	3.1	4.1	6.1	6.1	5.1	6.1	25.5	36.7	34.6	24.4
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°	820.8	820.8	820.8	820.8	820.8	820.8	820.8	820.8	820.8	820.8	820.8
2.5°	817.7	812.6	804.5	796.3	789.2	783.1	777.0	775.0	773.9	773.9	778.0
5°	813.6	805.5	789.2	775.0	760.7	750.5	742.4	734.2	734.2	732.2	732.2
7.5°	818.7	806.5	782.1	760.7	742.4	728.1	718.9	709.8	704.7	703.7	703.7
10°	828.9	813.6	783.1	755.6	732.2	709.8	695.5	681.3	673.1	669.0	670.1
12.5°	839.1	816.7	779.0	745.4	713.9	685.3	660.9	640.5	631.4	632.4	632.4
15°	849.3	821.8	768.8	727.1	688.4	651.7	627.3	605.9	592.7	590.6	593.7
17.5°	869.7	832.0	764.8	709.8	661.9	619.1	595.7	578.4	554.0	554.0	551.9
20°	894.1	849.3	765.8	691.4	634.4	585.5	558.0	541.8	520.4	508.1	505.1
22.5°	925.7	872.7	767.8	674.1	604.9	550.9	514.3	493.9	478.6	461.3	458.2
25°	970.5	901.2	772.9	656.8	573.3	511.2	464.4	437.9	420.6	401.2	400.2
27.5°	1020.4	933.8	778.0	639.5	536.7	461.3	402.2	372.7	358.5	349.3	346.2
30°	1103.9	987.8	785.1	619.1	492.9	396.1	338.1	319.8	308.6	288.2	292.3
32.5°	1313.6	1129.3	793.3	595.7	448.1	338.1	295.3	272.9	252.5	237.3	236.3
35°	1516.3	1311.6	833.0	569.2	393.1	283.1	255.6	224.0	199.6	192.5	192.5
37.5°	1694.5	1463.3	929.7	544.8	339.1	253.6	212.8	188.4	173.1	162.9	175.2
40°	1852.3	1616.1	1002.0	510.2	281.1	217.9	171.1	162.9	153.8	151.7	152.7
42.5°	1991.9	1736.3	1058.0	466.4	239.3	178.2	148.7	155.8	154.8	153.8	149.7
45°	2129.3	1856.4	1093.7	403.3	204.7	151.7	146.6	157.8	158.9	158.9	154.8
47.5°	2246.4	1959.3	1116.1	332.0	175.2	150.7	150.7	152.7	158.9	160.9	158.9
50°	2364.6	2053.0	1115.1	258.7	173.1	157.8	152.7	147.7	152.7	147.7	146.6
52.5°	2479.6	2135.4	1071.3	210.8	179.2	167.0	153.8	144.6	136.5	136.5	132.4
55°	2573.3	2204.7	986.8	197.6	185.3	172.1	154.8	141.5	130.3	121.2	126.3
57.5°	2658.9	2272.9	861.5	192.5	185.3	171.1	154.8	138.5	125.3	112.0	105.9
60°	2738.3	2331.0	754.6	183.3	184.3	167.0	150.7	134.4	116.1	102.9	98.8
62.5°	2785.1	2346.2	649.7	173.1	176.2	162.9	147.7	130.3	112.0	97.8	95.7
65°	2773.9	2303.5	522.4	161.9	169.0	157.8	142.6	123.2	104.9	90.6	86.6
67.5°	2666.0	2138.5	401.2	145.6	157.8	150.7	134.4	100.8	61.1	49.9	50.9
70°	2428.7	1923.6	284.1	124.2	138.5	136.5	102.9	68.2	48.9	38.7	41.8
72.5°	2149.7	1664.0	196.5	97.8	104.9	95.7	78.4	59.1	41.8	32.6	32.6
75°	1790.2	1333.0	147.7	79.4	55.0	66.2	67.2	51.9	41.8	48.9	54.0
77.5°	1397.2	985.7	117.1	63.1	24.4	36.7	48.9	43.8	74.3	77.4	72.3
80°	937.9	666.0	91.6	21.4	13.2	15.3	29.5	60.1	62.1	34.6	32.6
82.5°	519.3	347.3	38.7	12.2	7.1	8.1	15.3	78.4	40.7	31.6	30.5
85°	239.3	146.6	14.3	6.1	4.1	4.1	4.1	13.2	8.1	6.1	8.1
87.5°	18.3	11.2	3.1	2.0	2.0	1.0	0.0	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)