

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: P510993

Luminaire Tested: **PRV-P-C20-D-UNV-T3-7030-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510993
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-C20-D-UNV-T3-7030-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 1300mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8645 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

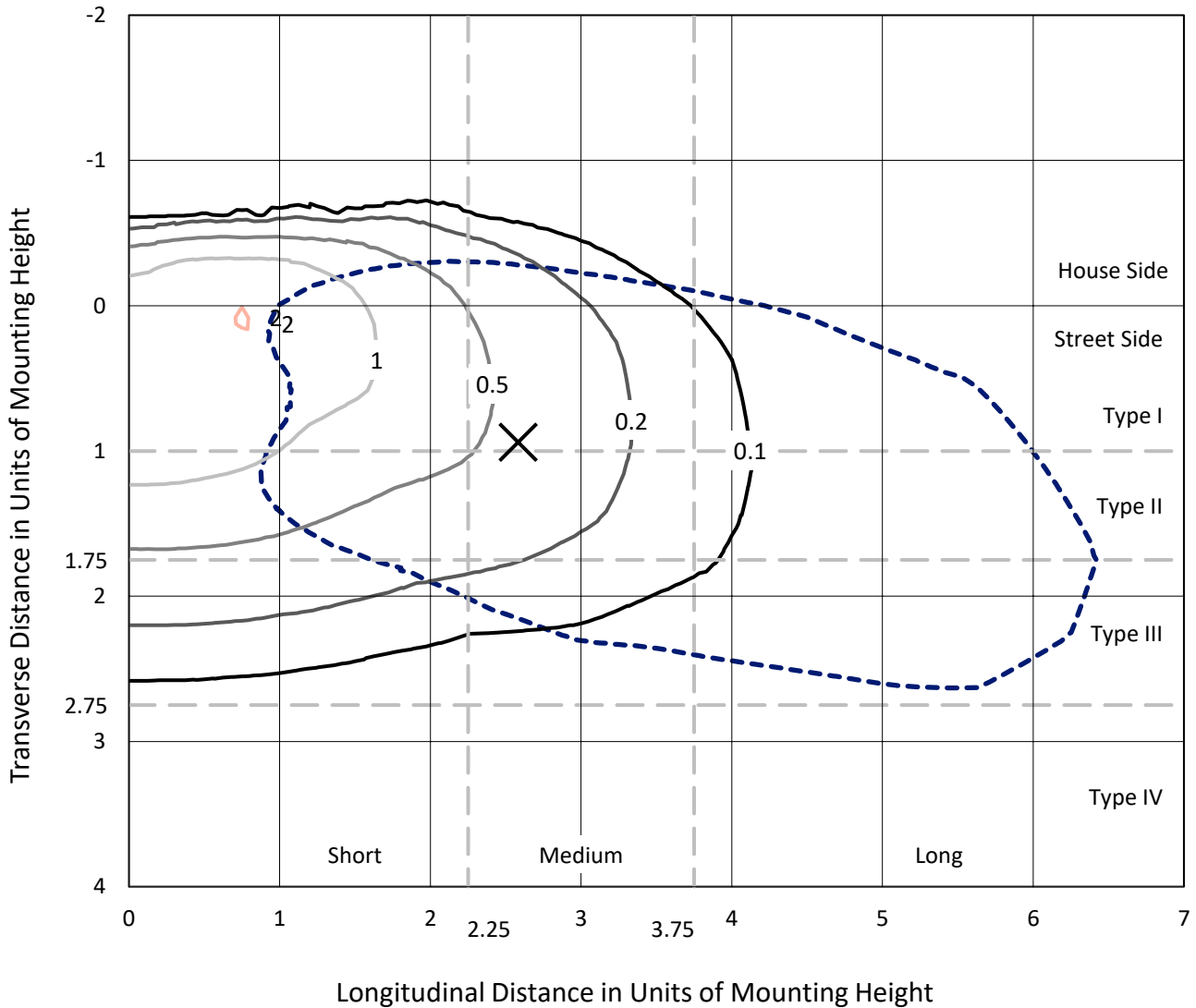
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

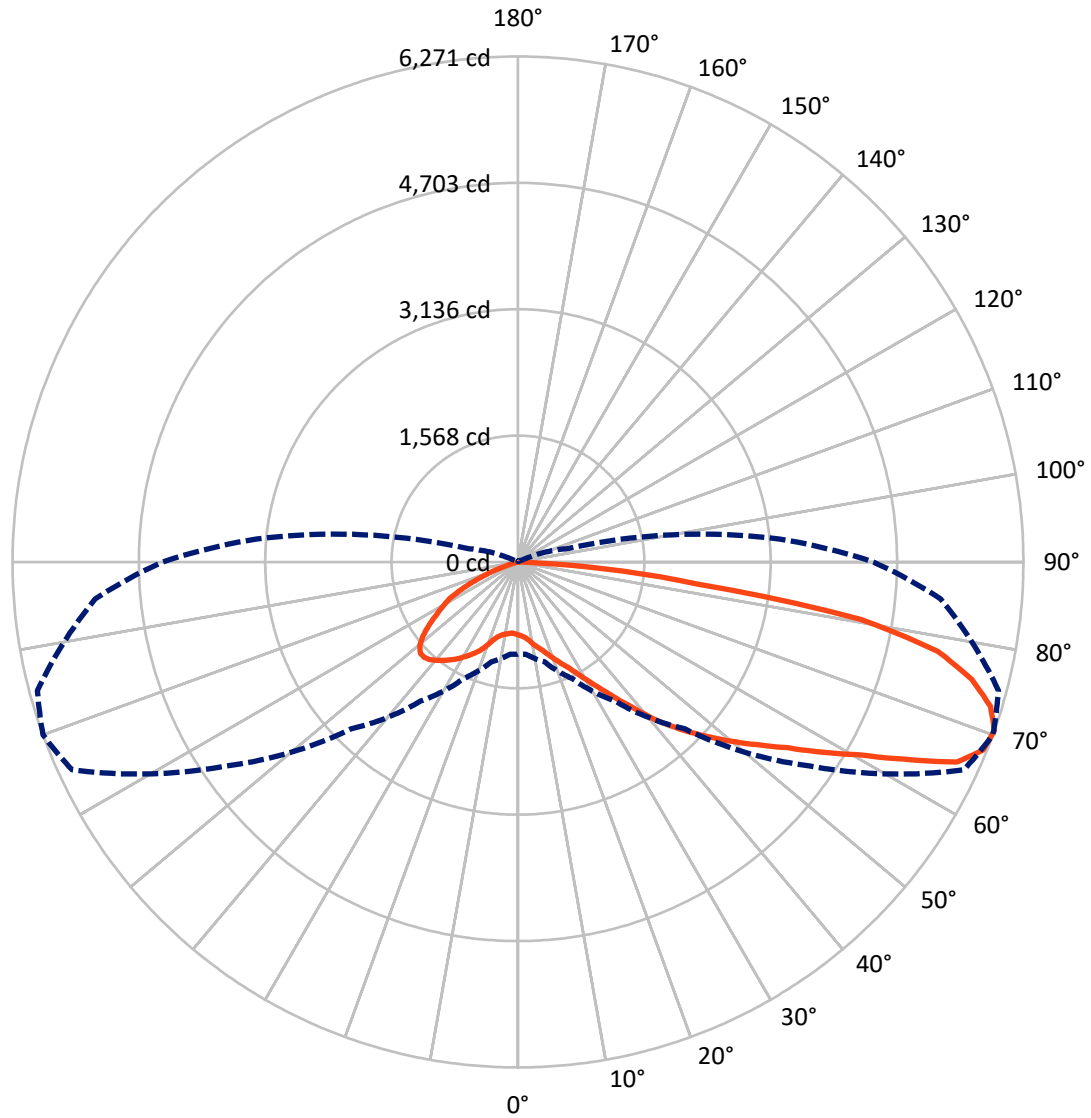
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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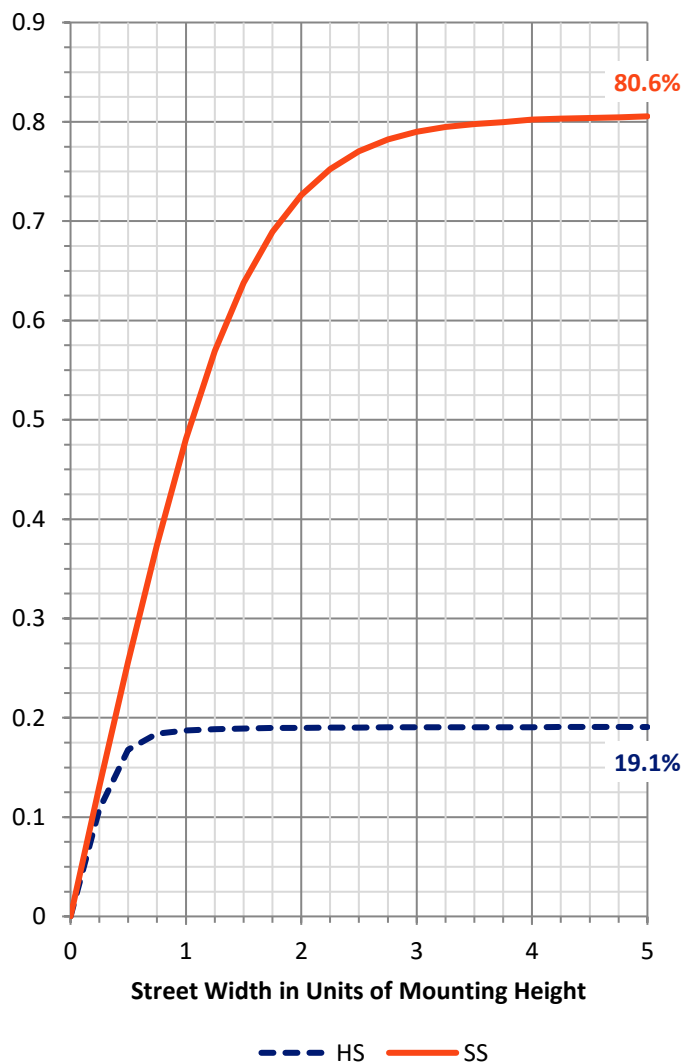
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1666.8	0.0	1666.8
	% Fixture	19.3	0.0	19.3
Street Side	Lumens	6978.2	0.0	6978.2
	% Fixture	80.7	0.0	80.7
Total	Lumens	8645.0	0.0	8645.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.1	1.0
10°-20°	274.9	3.2
20°-30°	504.9	5.8
30°-40°	844.2	9.8
40°-50°	1321.2	15.3
50°-60°	1801.1	20.8
60°-70°	2097.1	24.3
70°-80°	1466.2	17.0
80°-90°	248.3	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°	8645.0	100.0
0°-180°	8645.0	100.0

Coefficient of Utilization



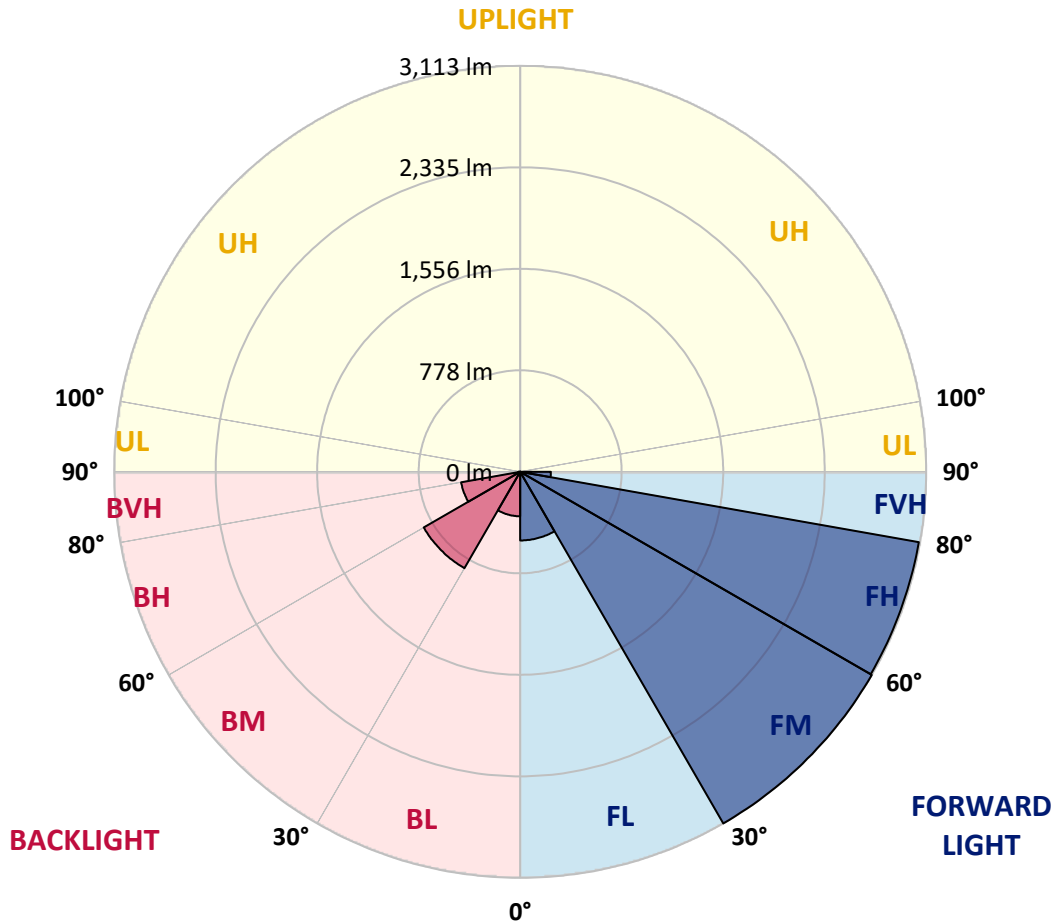
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	526.1	6.1			
FM (30°-60°)	3112.9	36.0			
FH (60°-80°)	3103.7	35.9			G2/5000
FVH (80°-90°)	235.4	2.7			G3/500
BL (0°-30°)	340.7	3.9	B1/500		
BM (30°-60°)	853.6	9.9	B1/1000		
BH (60°-80°)	459.6	5.3	B1/500		G1/500
BVH (80°-90°)	12.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	904.6	904.6	904.6	904.6	904.6	904.6	904.6	904.6	904.6	904.6	904.6
2.5°	937.9	943.8	941.9	943.8	941.9	936.0	928.1	920.3	918.3	916.4	910.5
5°	979.1	983.1	979.1	981.1	977.2	969.3	957.6	945.8	941.9	934.0	920.3
7.5°	1014.5	1018.4	1018.4	1024.3	1022.3	1018.4	1004.7	990.9	979.1	971.3	953.6
10°	1051.7	1053.7	1055.7	1063.5	1069.4	1069.4	1057.6	1045.9	1036.0	1022.3	994.8
12.5°	1075.3	1077.3	1081.2	1091.0	1104.7	1112.6	1106.7	1094.9	1085.1	1073.3	1038.0
15°	1085.1	1087.1	1096.9	1114.5	1134.2	1145.9	1147.9	1140.0	1136.1	1124.3	1089.0
17.5°	1110.6	1114.5	1120.4	1144.0	1159.7	1179.3	1196.9	1208.7	1204.8	1193.0	1155.7
20°	1149.9	1155.7	1159.7	1177.3	1189.1	1224.4	1259.7	1281.3	1279.4	1271.5	1234.2
22.5°	1198.9	1200.9	1204.8	1216.6	1238.2	1277.4	1326.5	1352.0	1363.7	1355.9	1326.5
25°	1253.9	1253.9	1249.9	1267.6	1297.0	1340.2	1399.1	1442.2	1450.1	1456.0	1461.8
27.5°	1318.6	1320.6	1314.7	1330.4	1357.8	1408.9	1481.5	1542.3	1565.8	1573.7	1630.6
30°	1473.6	1471.7	1448.1	1404.9	1438.3	1495.2	1571.7	1673.8	1707.1	1742.4	1848.4
32.5°	1675.7	1671.8	1671.8	1577.6	1524.6	1587.4	1673.8	1803.3	1866.1	1964.2	2083.9
35°	1862.1	1862.1	1856.2	1803.3	1701.2	1687.5	1781.7	1954.4	2058.4	2236.9	2335.0
37.5°	2027.0	2027.0	2036.8	1977.9	1911.2	1836.6	1919.0	2117.2	2272.2	2505.7	2578.3
40°	2178.1	2183.9	2191.8	2162.4	2111.3	2050.5	2058.4	2297.7	2539.1	2794.2	2851.1
42.5°	2286.0	2301.7	2348.8	2313.4	2321.3	2284.0	2223.2	2468.5	2780.4	3033.6	3082.6
45°	2388.0	2393.9	2429.2	2450.8	2503.8	2488.1	2444.9	2643.1	3019.8	3274.9	3284.7
47.5°	2460.6	2460.6	2492.0	2564.6	2660.8	2690.2	2674.5	2839.3	3261.2	3488.8	3498.6
50°	2488.1	2492.0	2562.6	2666.6	2827.5	2886.4	2908.0	3094.4	3512.4	3722.3	3694.8
52.5°	2519.5	2533.2	2625.4	2754.9	2968.8	3086.6	3139.5	3429.9	3775.3	3953.9	3896.9
55°	2535.2	2560.7	2645.1	2806.0	3070.9	3257.3	3345.6	3747.8	4069.6	4191.3	4130.4
57.5°	2413.5	2454.7	2607.8	2807.9	3135.6	3396.6	3573.2	4104.9	4452.3	4485.6	4322.7
60°	2246.7	2266.4	2444.9	2760.8	3117.9	3508.4	3836.1	4532.7	4852.5	4866.3	4558.2
62.5°	2064.2	2064.2	2238.9	2601.9	3037.5	3524.1	4075.5	5066.4	5392.1	5276.4	4805.4
65°	1822.9	1836.6	2009.3	2340.9	2857.0	3461.3	4258.0	5592.3	5984.7	5874.9	5050.7
67.5°	1520.7	1532.5	1687.5	2001.5	2519.5	3274.9	4381.6	5984.7	6226.1	6128.0	5237.1
70°	1142.0	1149.9	1283.3	1595.3	2107.4	2927.6	4413.0	6104.4	6271.2	6173.1	5264.6
72.5°	645.6	625.9	781.0	1049.8	1524.6	2380.2	4291.4	6035.8	6129.9	6022.0	5052.7
75°	98.1	115.8	166.8	386.6	782.9	1561.9	3789.0	5708.1	5814.0	5686.5	4662.2
77.5°	70.6	72.6	94.2	141.3	237.4	573.0	2413.5	5133.1	5325.4	5170.4	4042.1
80°	51.0	51.0	66.7	100.1	160.9	221.7	932.0	3810.6	4311.0	4252.1	3025.7
82.5°	35.3	37.3	47.1	72.6	111.8	157.0	268.8	1824.9	2246.7	2307.6	1487.4
85°	23.5	23.5	33.4	51.0	74.6	96.1	107.9	786.8	1065.5	1108.6	622.0
87.5°	13.7	13.7	19.6	31.4	47.1	58.9	53.0	62.8	54.9	51.0	27.5
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°	904.6	904.6	904.6	904.6	904.6	904.6	904.6	904.6	904.6	904.6	904.6
2.5°	906.5	902.6	894.8	888.9	881.0	871.2	861.4	857.5	847.7	845.7	839.8
5°	914.4	906.5	892.8	877.1	857.5	837.9	816.3	804.5	794.7	786.8	792.7
7.5°	941.9	928.1	906.5	879.1	845.7	814.3	786.8	763.3	749.6	743.7	743.7
10°	979.1	961.5	926.2	885.0	839.8	798.6	757.4	726.0	704.4	694.6	692.7
12.5°	1020.3	998.8	951.7	894.8	839.8	782.9	735.8	692.7	663.2	649.5	647.5
15°	1063.5	1040.0	983.1	918.3	853.6	786.8	722.1	665.2	624.0	600.4	598.5
17.5°	1128.3	1100.8	1034.1	965.4	886.9	802.5	718.2	635.8	571.0	539.6	535.7
20°	1206.8	1179.3	1120.4	1030.2	926.2	814.3	696.6	590.6	514.1	472.9	472.9
22.5°	1306.8	1308.8	1222.5	1091.0	949.7	806.5	671.1	541.6	437.6	384.6	380.7
25°	1461.8	1452.0	1318.6	1138.1	961.5	781.0	622.0	453.3	331.6	280.6	270.8
27.5°	1640.4	1589.4	1406.9	1175.4	951.7	751.5	545.5	339.5	221.7	176.6	170.7
30°	1817.0	1744.4	1493.2	1210.7	932.0	688.7	421.9	211.9	141.3	117.7	113.8
32.5°	2027.0	1924.9	1595.3	1236.2	908.5	592.6	284.5	133.4	92.2	78.5	74.6
35°	2258.5	2107.4	1699.3	1246.0	861.4	465.0	164.8	82.4	56.9	56.9	58.9
37.5°	2497.9	2333.1	1815.0	1244.0	779.0	310.0	102.0	47.1	47.1	56.9	60.8
40°	2731.4	2529.3	1936.7	1228.3	651.5	178.6	53.0	39.2	43.2	53.0	54.9
42.5°	2953.1	2705.9	2064.2	1196.9	484.7	100.1	41.2	37.3	41.2	45.1	45.1
45°	3149.3	2898.2	2168.2	1149.9	304.1	53.0	39.2	35.3	35.3	37.3	39.2
47.5°	3322.0	3059.1	2256.5	1057.6	162.9	49.1	37.3	33.4	31.4	33.4	33.4
50°	3494.7	3200.4	2291.9	910.5	76.5	49.1	37.3	31.4	29.4	35.3	35.3
52.5°	3661.5	3361.3	2280.1	714.2	54.9	45.1	35.3	31.4	29.4	37.3	39.2
55°	3842.0	3516.3	2260.5	453.3	54.9	43.2	33.4	27.5	27.5	27.5	29.4
57.5°	4014.7	3655.6	2227.1	190.3	53.0	39.2	29.4	23.5	21.6	23.5	23.5
60°	4203.1	3810.6	2081.9	76.5	51.0	35.3	25.5	21.6	17.7	19.6	19.6
62.5°	4403.2	3908.7	1826.8	60.8	47.1	31.4	21.6	17.7	15.7	15.7	17.7
65°	4552.3	3910.7	1436.3	53.0	45.1	27.5	19.6	15.7	13.7	13.7	13.7
67.5°	4570.0	3685.0	1047.8	47.1	41.2	23.5	15.7	13.7	11.8	9.8	11.8
70°	4409.1	3255.3	639.7	45.1	35.3	19.6	13.7	11.8	9.8	7.8	9.8
72.5°	4091.2	2774.6	251.2	41.2	31.4	15.7	11.8	11.8	7.8	5.9	5.9
75°	3590.8	2166.3	62.8	37.3	27.5	13.7	9.8	9.8	7.8	3.9	3.9
77.5°	2884.4	1273.5	47.1	31.4	23.5	9.8	7.8	7.8	3.9	3.9	3.9
80°	1611.0	480.7	35.3	21.6	13.7	7.8	3.9	3.9	3.9	3.9	3.9
82.5°	639.7	100.1	25.5	11.8	7.8	3.9	2.0	2.0	2.0	3.9	3.9
85°	137.4	31.4	15.7	7.8	3.9	2.0	2.0	2.0	2.0	2.0	3.9
87.5°	9.8	9.8	5.9	5.9	3.9	2.0	2.0	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)