

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: P510887

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

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P510887
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-3)
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-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 5000K, 600mA LED AND TYPE II OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4556 lumens
Efficiency: N/A
Efficacy: 131.7 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

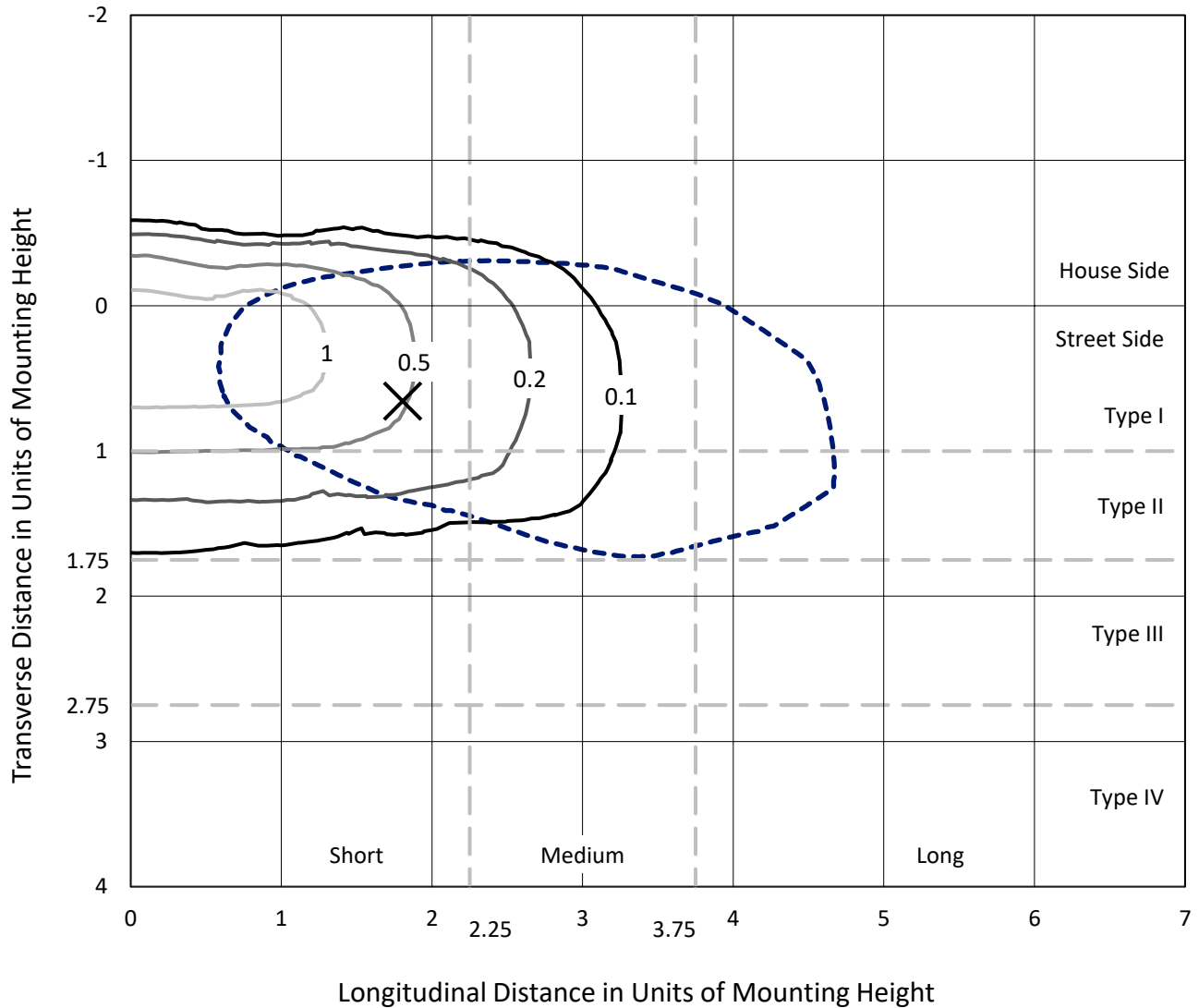
Input Watts (W): 34.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

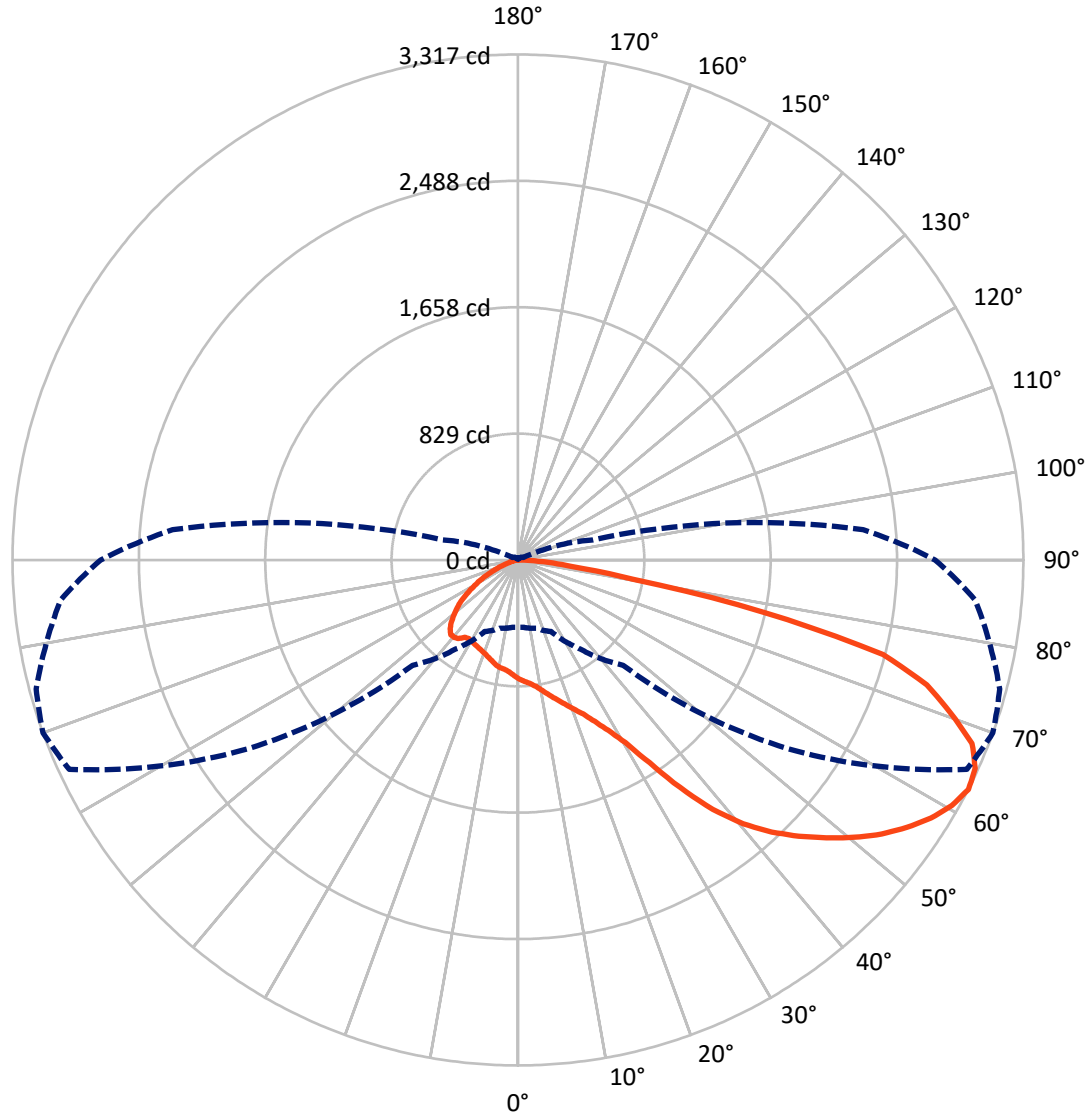
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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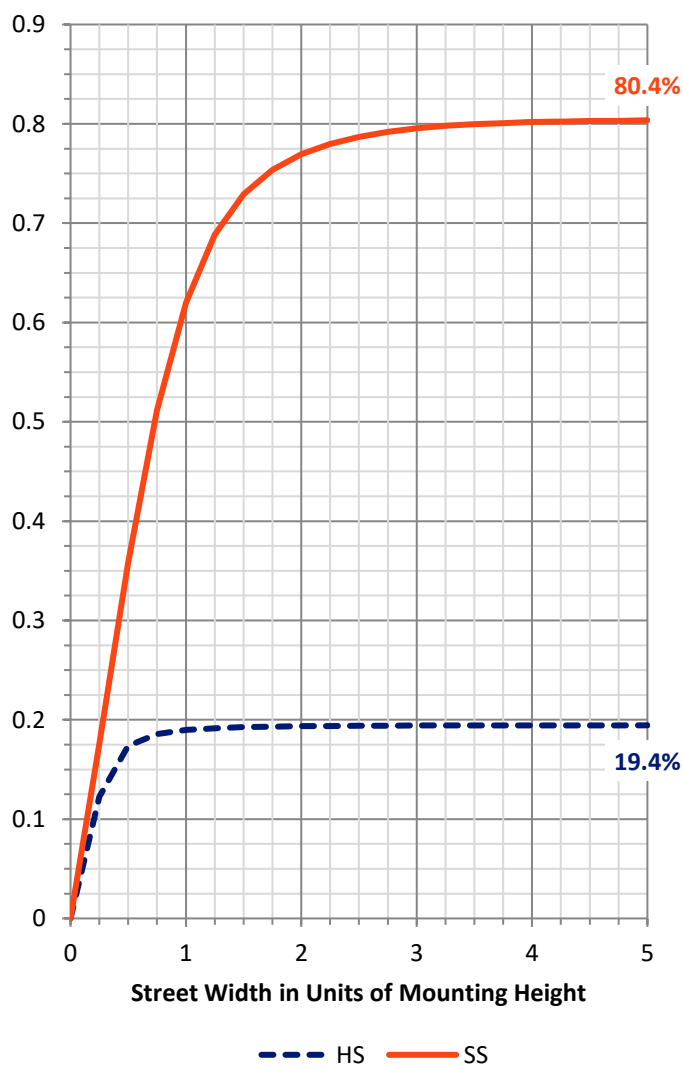
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	896.2	0.0	896.2
	% Fixture	19.7	0.0	19.7
Street Side	Lumens	3659.8	0.0	3659.8
	% Fixture	80.3	0.0	80.3
Total	Lumens	4556.0	0.0	4556.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.3	1.6
10°-20°	223.4	4.9
20°-30°	377.7	8.3
30°-40°	579.0	12.7
40°-50°	807.4	17.7
50°-60°	940.5	20.6
60°-70°	923.9	20.3
70°-80°	555.8	12.2
80°-90°	74.1	1.6
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°	4556.0	100.0
0°-180°	4556.0	100.0

Coefficient of Utilization

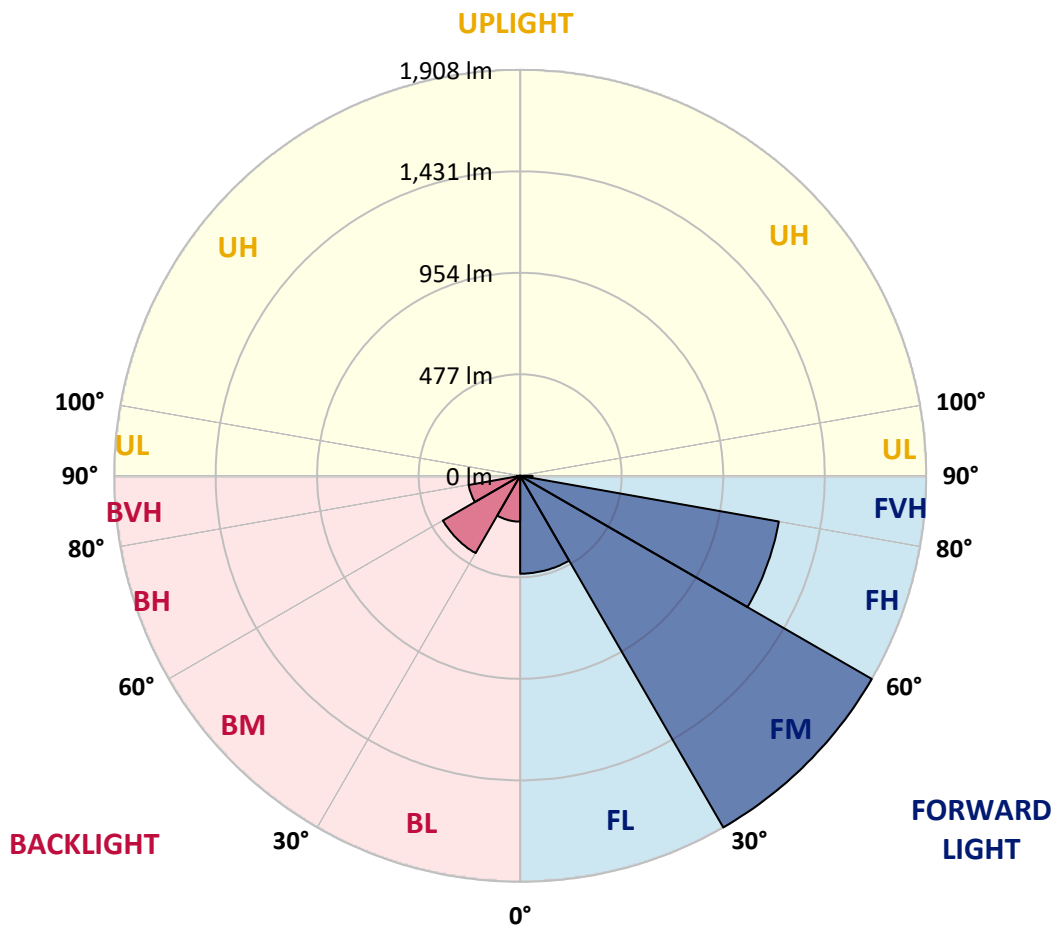


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	459.9	10.1			
FM (30°-60°)	1907.6	41.9			
FH (60°-80°)	1233.8	27.1			G1/1800
FVH (80°-90°)	58.5	1.3			G1/100
BL (0°-30°)	215.4	4.7	B1/500		
BM (30°-60°)	419.3	9.2	B1/1000		
BH (60°-80°)	245.9	5.4	B1/500		G1/500
BVH (80°-90°)	15.6	0.3			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°	780.0	780.0	780.0	780.0	780.0	780.0	780.0	780.0	780.0	780.0	780.0
2.5°	835.0	835.0	832.0	827.9	823.8	818.7	810.6	802.4	797.4	793.3	783.1
5°	893.1	891.0	884.9	873.7	860.5	849.3	836.0	819.8	812.6	803.5	785.1
7.5°	940.9	939.9	932.8	925.7	914.5	899.2	874.7	846.2	837.1	824.8	795.3
10°	986.8	986.8	981.7	973.5	961.3	947.0	924.6	893.1	870.7	851.3	811.6
12.5°	1026.5	1026.5	1019.3	1012.2	1001.0	985.7	964.4	930.8	907.3	885.9	828.9
15°	1069.2	1066.2	1059.1	1055.0	1038.7	1025.5	1006.1	970.5	949.1	920.6	849.3
17.5°	1112.0	1107.9	1098.8	1094.7	1081.5	1066.2	1049.9	1018.3	992.9	960.3	877.8
20°	1144.6	1142.6	1136.5	1135.4	1128.3	1110.0	1098.8	1067.2	1042.8	1006.1	909.4
22.5°	1182.3	1181.3	1178.2	1173.1	1175.2	1170.1	1154.8	1127.3	1098.8	1065.2	954.2
25°	1198.6	1199.6	1205.7	1217.9	1227.1	1226.1	1216.9	1196.5	1174.1	1134.4	1009.2
27.5°	1207.7	1207.7	1217.9	1249.5	1288.2	1291.2	1287.2	1284.1	1265.8	1222.0	1083.5
30°	1209.8	1210.8	1231.2	1273.9	1336.1	1363.5	1373.7	1395.1	1391.0	1362.5	1197.6
32.5°	1192.5	1194.5	1223.0	1285.1	1370.7	1431.8	1465.4	1561.1	1586.6	1588.6	1437.9
35°	1131.4	1133.4	1182.3	1273.9	1397.1	1500.0	1582.5	1754.6	1833.0	1849.3	1668.0
37.5°	1071.3	1079.4	1136.5	1252.5	1414.5	1565.2	1712.8	1985.7	2075.4	2064.2	1851.3
40°	1022.4	1028.5	1086.6	1216.9	1415.5	1627.3	1851.3	2187.4	2275.0	2240.3	2013.2
42.5°	965.4	970.5	1025.5	1170.1	1401.2	1679.2	1977.6	2378.8	2439.9	2404.3	2164.0
45°	899.2	905.3	961.3	1099.8	1371.7	1712.8	2090.6	2527.5	2585.5	2556.0	2301.4
47.5°	842.2	847.3	899.2	1026.5	1314.7	1722.0	2201.6	2687.4	2724.0	2686.4	2424.6
50°	659.9	690.4	827.9	961.3	1225.1	1702.6	2293.3	2823.8	2860.5	2824.8	2538.7
52.5°	580.4	583.5	639.5	892.1	1115.1	1646.6	2363.5	2943.0	2988.8	2942.0	2662.9
55°	541.8	544.8	573.3	776.0	1022.4	1553.0	2410.4	3063.1	3096.7	3042.8	2772.9
57.5°	508.1	514.3	543.8	617.1	928.7	1383.9	2410.4	3162.9	3195.5	3130.3	2863.5
60°	470.5	474.5	509.2	562.1	824.8	1157.8	2322.8	3238.3	3271.9	3214.9	2950.1
62.5°	439.9	444.0	464.4	518.3	712.8	976.6	2156.8	3249.5	3316.7	3272.9	3012.2
65°	402.2	405.3	428.7	475.6	638.5	851.3	1934.8	3190.4	3297.4	3289.2	3046.8
67.5°	355.4	361.5	384.9	426.7	551.9	750.5	1588.6	3120.2	3213.9	3220.0	2972.5
70°	297.4	301.4	325.9	369.7	462.3	632.4	1179.2	2938.9	3013.2	3062.1	2811.6
72.5°	233.2	237.3	262.7	303.5	373.7	525.5	866.6	2652.8	2806.5	2838.1	2512.2
75°	33.6	42.8	84.5	165.0	299.4	407.3	569.2	2037.7	2474.5	2495.9	2125.3
77.5°	20.4	21.4	32.6	50.9	89.6	272.9	378.8	1042.8	1645.6	1929.7	1661.9
80°	15.3	16.3	25.5	39.7	58.0	77.4	183.3	573.3	766.8	1080.4	1100.8
82.5°	8.1	9.2	17.3	28.5	35.6	33.6	77.4	250.5	354.4	452.1	554.0
85°	5.1	5.1	9.2	15.3	14.3	17.3	35.6	130.3	200.6	256.6	277.0
87.5°	2.0	2.0	3.1	5.1	5.1	4.1	6.1	30.5	39.7	48.9	30.5
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°	780.0	780.0	780.0	780.0	780.0	780.0	780.0	780.0	780.0	780.0	780.0
2.5°	778.0	772.9	763.7	752.5	743.4	736.3	731.2	728.1	723.0	725.1	727.1
5°	774.9	764.8	745.4	727.1	709.8	695.5	682.3	673.1	666.0	662.9	661.9
7.5°	780.0	763.7	735.2	708.8	683.3	656.8	641.5	623.2	613.0	611.0	609.0
10°	790.2	771.9	735.2	696.5	657.8	622.2	594.7	575.4	559.1	551.9	548.9
12.5°	800.4	773.9	727.1	677.2	626.3	582.5	546.8	516.3	499.0	496.9	491.9
15°	813.6	780.0	713.8	651.7	589.6	535.6	496.9	469.5	450.1	447.0	446.0
17.5°	833.0	790.2	705.7	626.3	554.0	491.9	457.2	437.9	408.4	407.3	402.2
20°	857.4	807.5	703.7	598.8	518.3	455.2	419.6	401.2	369.7	356.4	354.4
22.5°	892.1	829.9	702.6	575.4	485.7	423.6	380.9	348.3	313.6	284.1	278.0
25°	933.8	857.4	704.7	556.0	454.2	389.0	325.9	266.8	231.2	204.7	194.5
27.5°	986.8	894.1	707.7	536.7	422.6	343.2	253.6	190.4	158.9	141.5	137.5
30°	1078.4	946.0	711.8	516.3	389.0	277.0	174.1	137.5	111.0	91.6	91.6
32.5°	1267.8	1086.6	720.0	496.9	348.3	205.7	126.3	93.7	69.2	59.1	61.1
35°	1485.7	1278.0	757.6	470.5	293.3	136.5	85.5	57.0	43.8	45.8	47.9
37.5°	1665.0	1426.7	847.3	444.0	221.0	95.7	51.9	39.7	39.7	40.7	47.9
40°	1813.6	1570.3	910.4	406.3	145.6	59.1	33.6	36.7	34.6	35.6	33.6
42.5°	1963.3	1690.4	960.3	356.4	93.7	35.6	30.5	34.6	32.6	32.6	28.5
45°	2089.6	1799.4	985.7	284.1	53.0	29.5	28.5	32.6	31.6	30.5	26.5
47.5°	2212.8	1903.3	998.0	196.5	33.6	26.5	26.5	29.5	29.5	25.5	23.4
50°	2327.9	1992.9	991.9	107.9	31.6	25.5	26.5	24.4	25.5	20.4	18.3
52.5°	2438.9	2070.3	943.0	65.2	29.5	25.5	23.4	21.4	20.4	15.3	15.3
55°	2530.6	2134.4	853.4	50.9	29.5	24.4	21.4	18.3	16.3	12.2	13.2
57.5°	2612.0	2199.6	732.2	46.8	30.5	23.4	19.3	16.3	13.2	10.2	9.2
60°	2690.4	2256.6	617.1	42.8	31.6	23.4	16.3	13.2	9.2	8.1	7.1
62.5°	2738.3	2275.0	511.2	38.7	31.6	21.4	15.3	11.2	7.1	6.1	5.1
65°	2727.1	2231.2	401.2	36.7	30.5	19.3	13.2	9.2	6.1	4.1	4.1
67.5°	2621.2	2079.4	291.2	35.6	29.5	19.3	12.2	7.1	5.1	3.1	3.1
70°	2383.9	1853.4	200.6	32.6	26.5	16.3	12.2	6.1	4.1	3.1	2.0
72.5°	2086.6	1639.5	134.4	28.5	21.4	12.2	7.1	5.1	3.1	2.0	2.0
75°	1787.2	1302.4	92.7	22.4	16.3	10.2	5.1	4.1	3.1	2.0	1.0
77.5°	1342.2	938.9	69.2	17.3	12.2	6.1	3.1	2.0	2.0	1.0	1.0
80°	926.7	645.6	54.0	9.2	4.1	3.1	2.0	2.0	1.0	1.0	1.0
82.5°	495.9	344.2	33.6	6.1	2.0	2.0	1.0	1.0	1.0	1.0	1.0
85°	235.2	139.5	11.2	3.1	2.0	1.0	1.0	1.0	1.0	1.0	1.0
87.5°	23.4	7.1	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)