

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: P511008

Luminaire Tested: **PRV-P-C20-D-UNV-T4-7050**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511008
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-6)
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-T4-7050
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 5000K, 1300mA LED AND TYPE IV OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9931 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

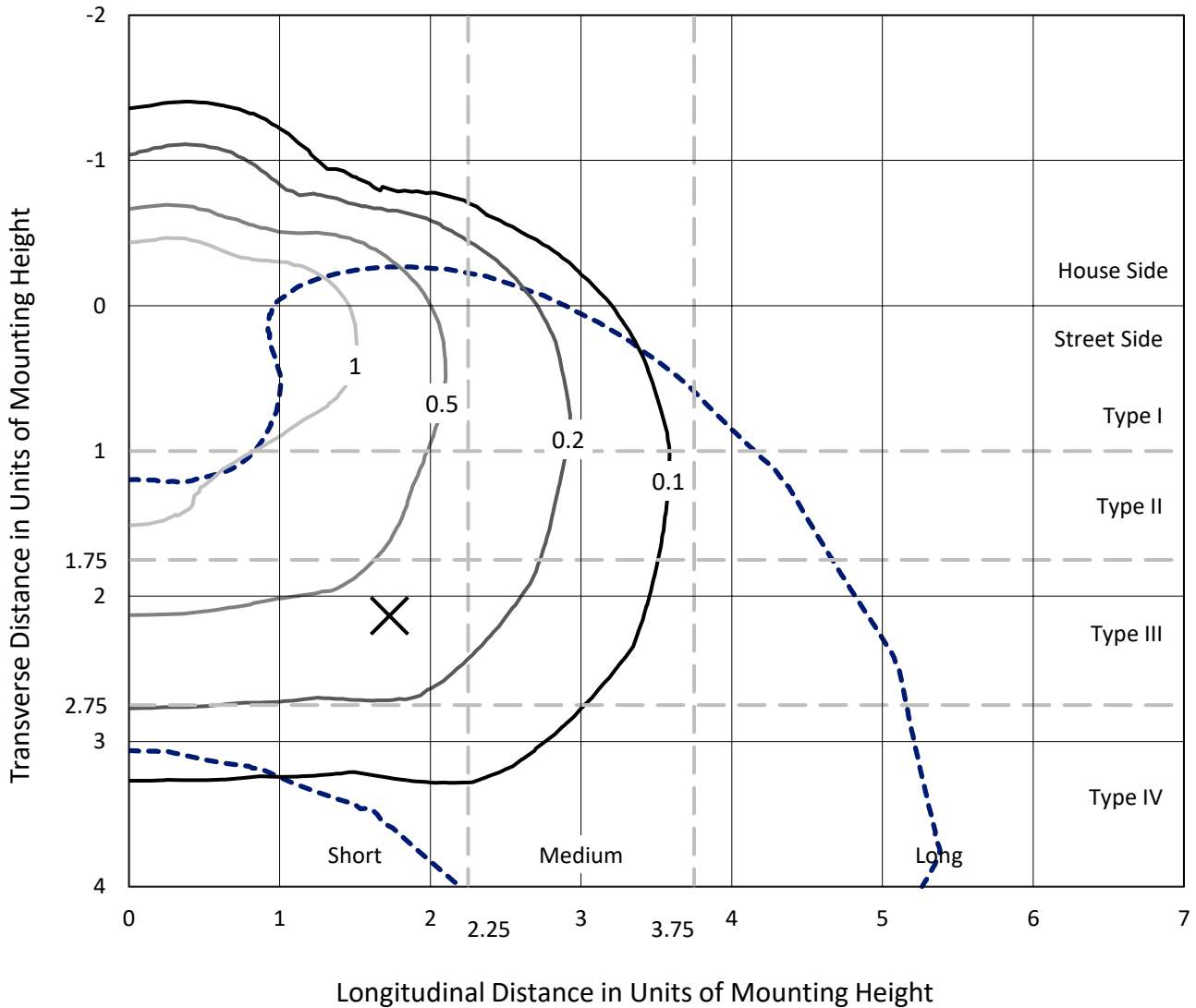
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

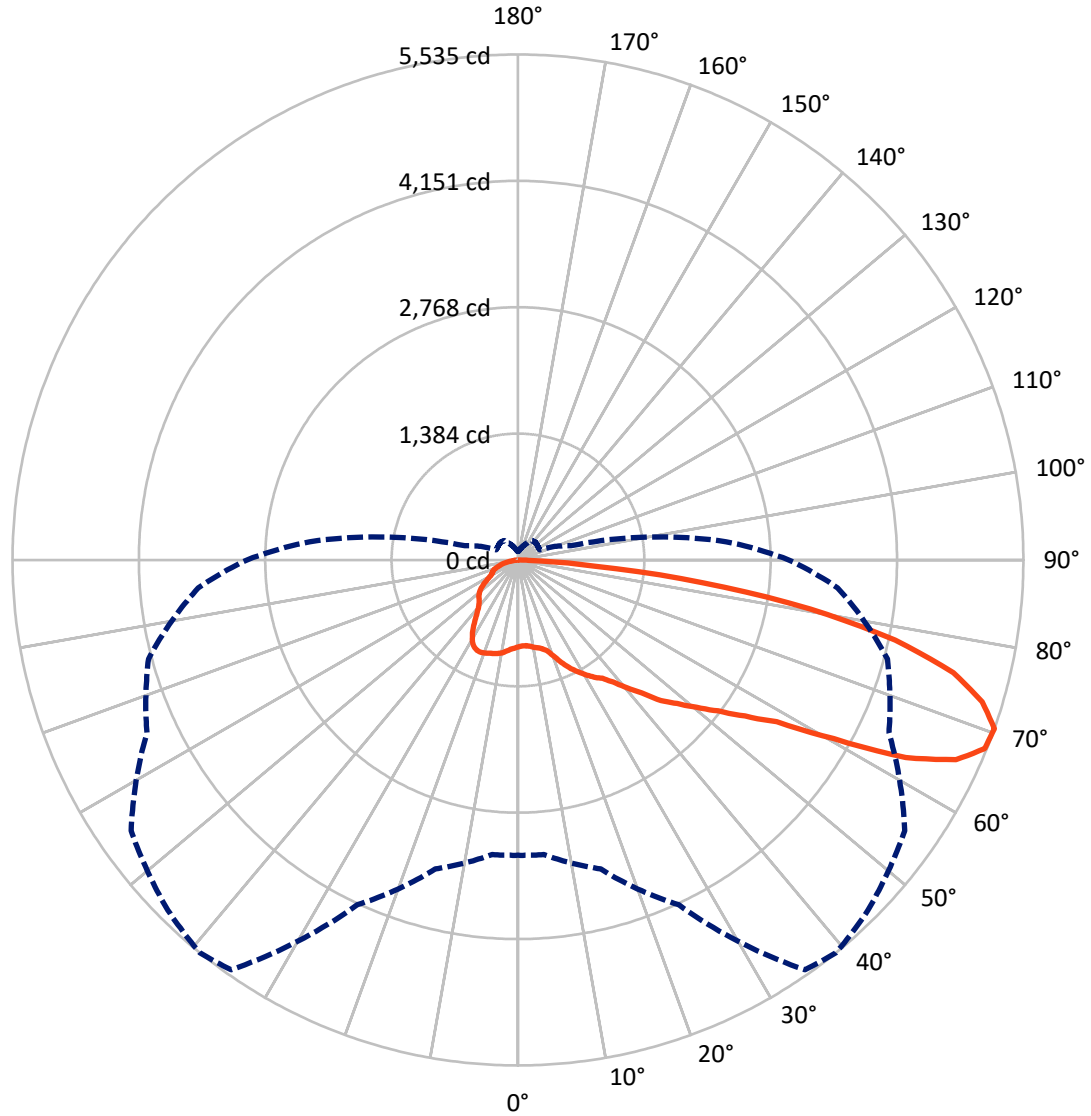
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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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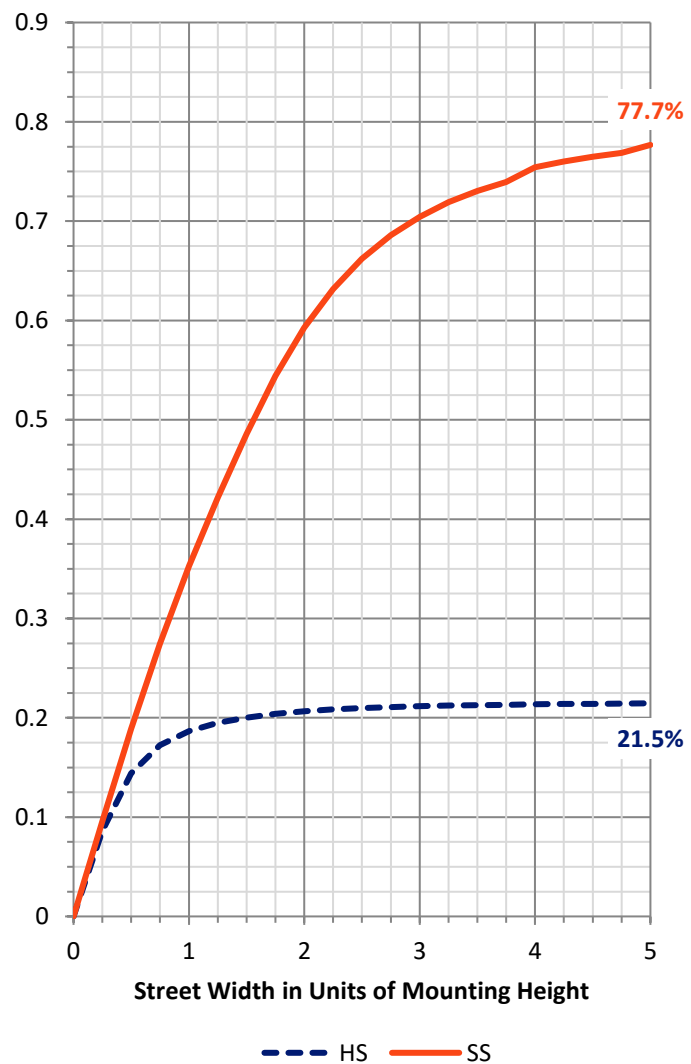
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2148.0	0.0	2148.0
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	7783.1	0.0	7783.1
	% Fixture	78.4	0.0	78.4
Total	Lumens	9931.0	0.0	9931.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.8	0.9
10°-20°	297.5	3.0
20°-30°	564.4	5.7
30°-40°	882.6	8.9
40°-50°	1340.3	13.5
50°-60°	1962.8	19.8
60°-70°	2525.6	25.4
70°-80°	1919.9	19.3
80°-90°	345.1	3.5
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°	9931.0	100.0
0°-180°	9931.0	100.0

Coefficient of Utilization



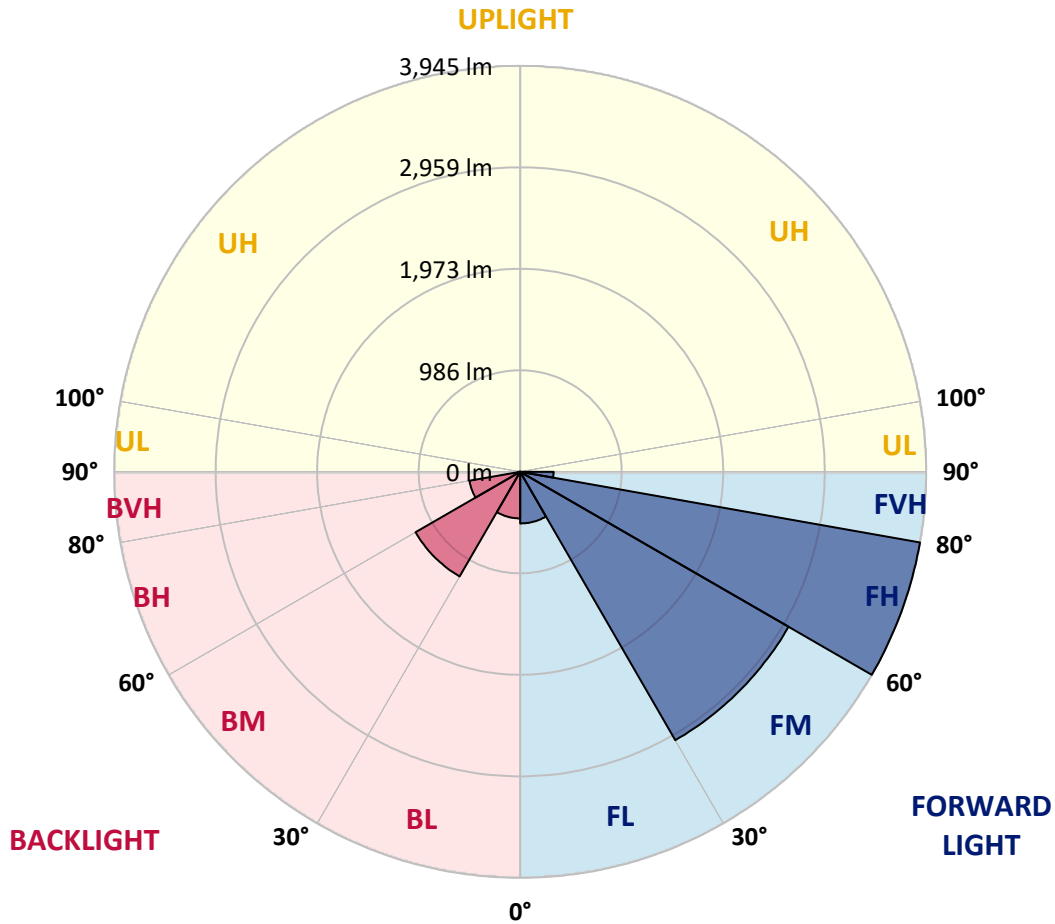
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	501.8	5.1			
FM (30°-60°)	3011.4	30.3			
FH (60°-80°)	3945.1	39.7			G2/5000
FVH (80°-90°)	324.7	3.3			G3/500
BL (0°-30°)	452.9	4.6	B1/500		
BM (30°-60°)	1174.3	11.8	B2/2500		
BH (60°-80°)	500.4	5.0	B2/1000		G2/1000
BVH (80°-90°)	20.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	950.3	950.3	950.3	950.3	950.3	950.3	950.3	950.3	950.3	950.3	950.3
2.5°	940.1	938.1	938.1	940.1	940.1	942.2	942.2	944.2	946.2	952.3	954.4
5°	936.1	938.1	938.1	940.1	942.2	942.2	942.2	944.2	944.2	950.3	952.3
7.5°	940.1	942.2	946.2	950.3	952.3	954.4	956.4	958.4	958.4	960.5	964.5
10°	946.2	950.3	952.3	960.5	970.7	972.7	976.8	982.9	984.9	986.9	991.0
12.5°	960.5	958.4	962.5	972.7	982.9	986.9	993.0	1003.2	1011.4	1011.4	1015.4
15°	972.7	974.7	978.8	989.0	1001.2	1009.3	1017.5	1029.7	1039.8	1045.9	1050.0
17.5°	1037.8	1033.7	1039.8	1031.7	1039.8	1045.9	1056.1	1070.4	1086.6	1092.7	1100.9
20°	1135.5	1139.6	1129.4	1131.4	1125.3	1123.3	1119.2	1121.2	1137.5	1155.8	1170.1
22.5°	1247.4	1255.5	1251.5	1235.2	1220.9	1218.9	1210.8	1206.7	1210.8	1233.2	1253.5
25°	1347.1	1349.1	1347.1	1326.8	1310.5	1306.4	1306.4	1314.6	1316.6	1324.7	1343.0
27.5°	1422.4	1422.4	1416.3	1404.1	1387.8	1381.7	1387.8	1408.2	1426.5	1438.7	1459.0
30°	1481.4	1481.4	1475.3	1469.2	1463.1	1457.0	1461.1	1503.8	1546.5	1575.0	1621.8
32.5°	1601.5	1593.3	1579.1	1524.2	1530.3	1530.3	1534.3	1583.2	1656.4	1727.6	1792.8
35°	1721.5	1715.4	1699.2	1660.5	1593.3	1591.3	1613.7	1668.6	1762.2	1892.5	2004.4
37.5°	1874.2	1868.1	1849.7	1790.7	1727.6	1695.1	1676.8	1756.1	1888.4	2098.0	2254.7
40°	2051.2	2049.2	2016.6	1941.3	1859.9	1841.6	1798.9	1853.8	2041.0	2340.2	2513.1
42.5°	2185.5	2185.5	2161.1	2081.7	2020.7	1990.1	1963.7	1986.1	2222.1	2618.9	2757.3
45°	2279.1	2291.3	2275.0	2236.4	2199.7	2197.7	2175.3	2226.2	2456.1	2912.0	2991.3
47.5°	2395.1	2399.2	2364.6	2352.4	2346.3	2348.3	2380.8	2478.5	2688.1	3174.5	3196.8
50°	2724.7	2720.7	2590.4	2529.4	2496.8	2537.5	2592.5	2726.8	2964.9	3410.5	3373.9
52.5°	3133.8	3074.8	2857.0	2743.1	2718.6	2747.1	2816.3	2964.9	3286.4	3618.1	3514.3
55°	3559.1	3516.3	3371.9	3119.5	2979.1	3017.8	3054.4	3192.8	3585.5	3803.3	3640.5
57.5°	3833.8	3837.8	3829.7	3701.5	3390.2	3343.4	3345.4	3443.1	3835.8	4002.7	3748.3
60°	4059.7	4096.3	4196.0	4167.5	4110.5	3976.2	3728.0	3705.6	4067.8	4143.1	3829.7
62.5°	4179.7	4198.0	4360.8	4503.3	4751.5	4767.8	4480.9	4002.7	4285.5	4240.8	3868.4
65°	4067.8	4080.0	4299.8	4588.7	5185.0	5272.5	5172.7	4472.7	4450.4	4289.6	3850.1
67.5°	3699.5	3719.8	3949.8	4497.2	5447.5	5512.6	5429.1	5079.1	4517.5	4269.2	3742.2
70°	3233.5	3237.5	3502.1	4165.5	5478.0	5535.0	5423.0	5170.7	4482.9	4187.9	3514.3
72.5°	2616.9	2643.4	2916.0	3599.8	5260.3	5315.2	5248.0	5052.7	4403.6	4021.0	3093.1
75°	2010.5	1988.1	2248.6	2863.1	4710.8	4924.5	4898.0	4835.0	4194.0	3544.8	2405.3
77.5°	1251.5	1286.1	1538.4	2150.9	3876.5	4224.5	4395.4	4464.6	3638.4	2726.8	1381.7
80°	580.0	596.2	877.0	1438.7	2869.2	3245.7	3573.3	3569.2	2688.1	1621.8	407.0
82.5°	183.1	191.3	352.0	814.0	1813.1	2041.0	2289.3	2077.6	934.0	199.4	65.1
85°	77.3	83.4	144.5	305.2	700.0	840.4	974.7	964.5	101.7	52.9	36.6
87.5°	42.7	44.8	54.9	81.4	107.9	114.0	126.2	111.9	22.4	22.4	12.2
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°	950.3	950.3	950.3	950.3	950.3	950.3	950.3	950.3	950.3	950.3	950.3
2.5°	954.4	954.4	958.4	962.5	962.5	964.5	964.5	964.5	964.5	960.5	958.4
5°	954.4	956.4	962.5	968.6	974.7	976.8	980.8	980.8	982.9	984.9	982.9
7.5°	968.6	972.7	980.8	991.0	997.1	1001.2	1005.2	1007.3	1007.3	1009.3	1009.3
10°	993.0	997.1	1011.4	1021.5	1027.6	1031.7	1029.7	1029.7	1031.7	1029.7	1029.7
12.5°	1017.5	1023.6	1039.8	1054.1	1054.1	1048.0	1043.9	1039.8	1037.8	1035.8	1033.7
15°	1054.1	1058.2	1080.5	1088.7	1080.5	1066.3	1052.1	1037.8	1027.6	1021.5	1021.5
17.5°	1109.0	1119.2	1143.6	1135.5	1115.1	1084.6	1056.1	1025.6	1001.2	986.9	986.9
20°	1180.2	1192.5	1214.8	1196.5	1157.9	1111.1	1060.2	1005.2	956.4	927.9	921.8
22.5°	1265.7	1284.0	1292.2	1255.5	1198.6	1135.5	1060.2	984.9	907.6	842.5	828.2
25°	1369.5	1383.7	1363.4	1300.3	1225.0	1139.6	1050.0	952.3	836.3	746.8	736.6
27.5°	1485.5	1485.5	1430.5	1334.9	1231.1	1123.3	1021.5	891.3	746.8	681.7	673.6
30°	1627.9	1597.4	1489.6	1355.3	1214.8	1090.7	964.5	795.7	679.7	622.7	616.6
32.5°	1780.5	1717.5	1546.5	1361.4	1182.3	1033.7	877.0	720.4	630.8	571.8	563.7
35°	1965.7	1866.0	1605.5	1347.1	1121.2	952.3	773.3	659.3	580.0	514.8	506.7
37.5°	2197.7	2055.3	1670.7	1316.6	1043.9	848.6	691.9	600.3	531.1	459.9	447.7
40°	2437.8	2273.0	1768.3	1275.9	954.4	755.0	626.8	559.6	494.5	419.2	402.9
42.5°	2675.9	2478.5	1892.5	1239.3	875.0	691.9	600.3	553.5	482.3	402.9	388.7
45°	2885.5	2659.6	2008.5	1196.5	787.5	634.9	588.1	547.4	476.2	394.8	378.5
47.5°	3054.4	2826.5	2120.4	1159.9	706.1	596.2	575.9	531.1	459.9	382.6	366.3
50°	3213.1	2962.8	2197.7	1129.4	632.9	565.7	549.4	494.5	423.3	350.0	339.8
52.5°	3343.4	3070.7	2246.5	1141.6	561.6	533.1	506.7	445.6	374.4	319.5	305.2
55°	3441.0	3131.7	2254.7	1121.2	498.6	482.3	451.8	398.8	348.0	301.2	289.0
57.5°	3522.4	3160.2	2224.2	946.2	443.6	421.2	396.8	362.2	313.4	268.6	260.5
60°	3548.9	3158.2	2146.8	671.5	382.6	348.0	356.1	329.7	278.8	236.0	227.9
62.5°	3534.6	3109.3	1947.4	468.0	325.6	315.4	327.6	301.2	250.3	211.6	205.5
65°	3459.4	2987.3	1646.2	325.6	295.1	301.2	313.4	284.9	232.0	195.4	191.3
67.5°	3286.4	2751.2	1204.7	280.8	280.8	291.0	297.1	260.5	160.8	114.0	105.8
70°	2968.9	2289.3	602.3	262.5	264.5	272.7	258.4	187.2	136.3	97.7	93.6
72.5°	2421.5	1613.7	213.7	242.2	244.2	234.0	209.6	164.8	118.0	85.5	79.4
75°	1573.0	789.5	185.2	225.9	211.6	197.4	185.2	138.4	99.7	61.0	57.0
77.5°	685.8	181.1	173.0	195.4	181.1	175.0	132.3	101.7	67.2	42.7	40.7
80°	116.0	107.9	162.8	144.5	144.5	107.9	81.4	61.0	40.7	26.5	24.4
82.5°	54.9	77.3	126.2	93.6	79.4	52.9	46.8	42.7	30.5	20.3	20.3
85°	40.7	61.0	48.8	42.7	30.5	30.5	34.6	24.4	20.3	10.2	10.2
87.5°	12.2	10.2	10.2	8.1	10.2	4.1	4.1	2.0	0.0	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)