

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: P511000

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

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511000
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-4)
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
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 4000K, 1300mA LED AND TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9556 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

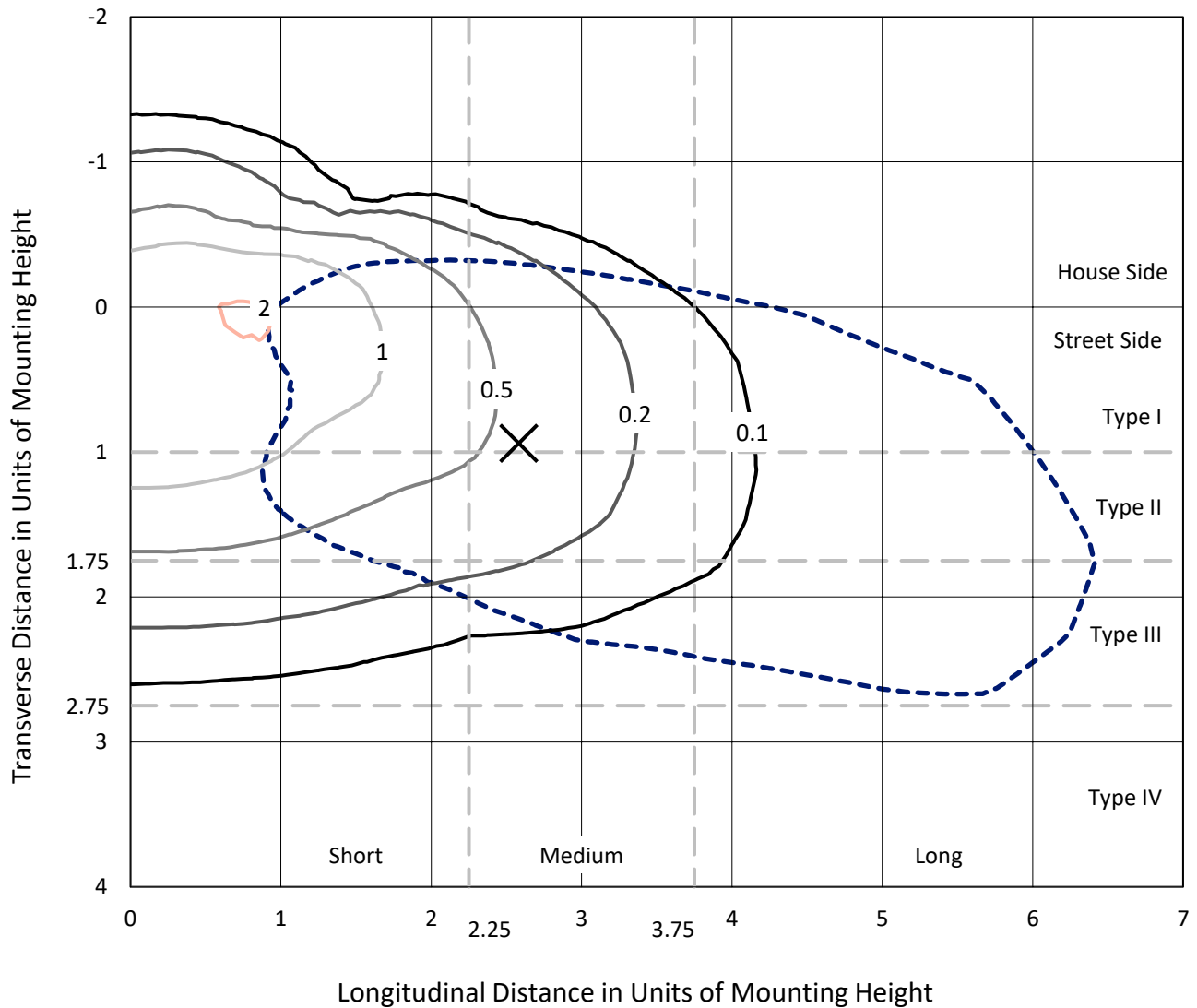
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

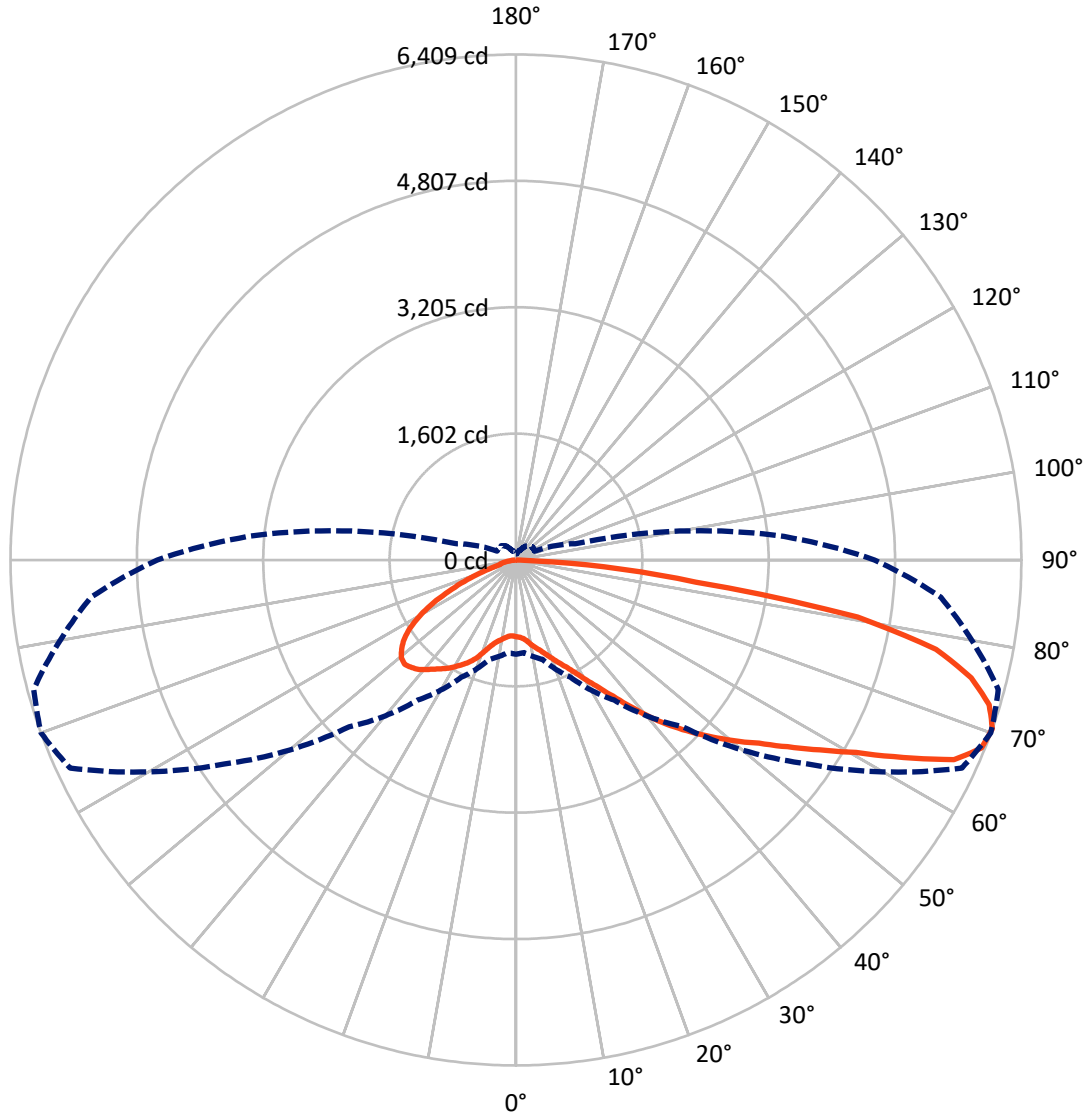
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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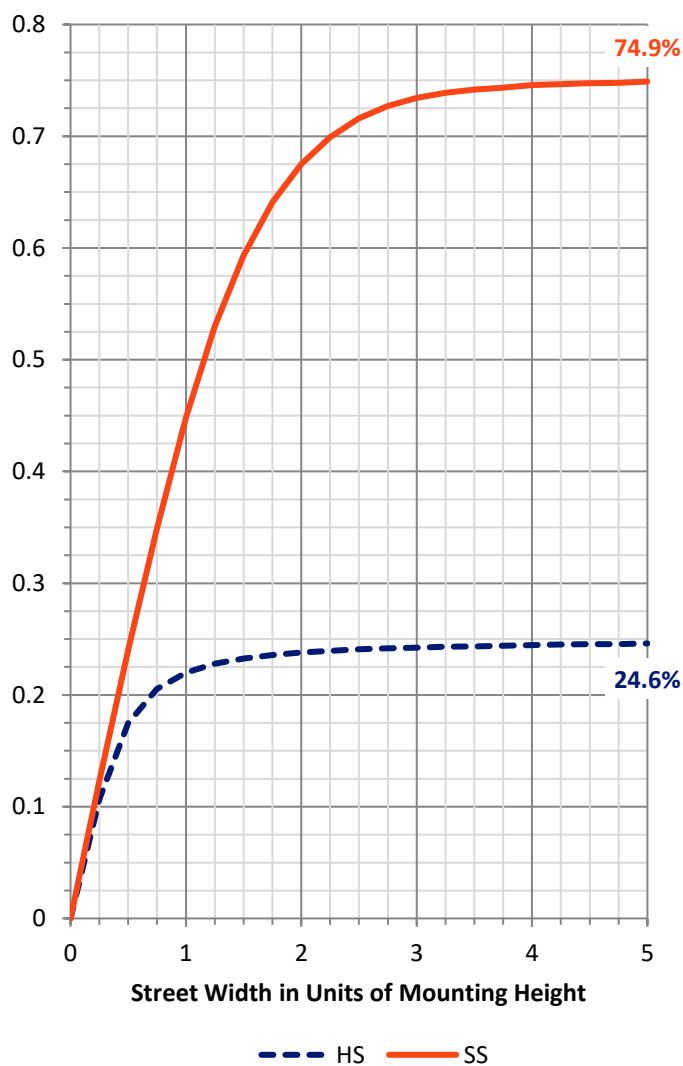
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2384.0	0.0	2384.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	7172.0	0.0	7172.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	9556.0	0.0	9556.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	1.0
10°-20°	312.5	3.3
20°-30°	587.1	6.1
30°-40°	982.1	10.3
40°-50°	1499.9	15.7
50°-60°	1979.6	20.7
60°-70°	2239.9	23.4
70°-80°	1574.8	16.5
80°-90°	284.7	3.0
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°	9556.0	100.0
0°-180°	9556.0	100.0

Coefficient of Utilization

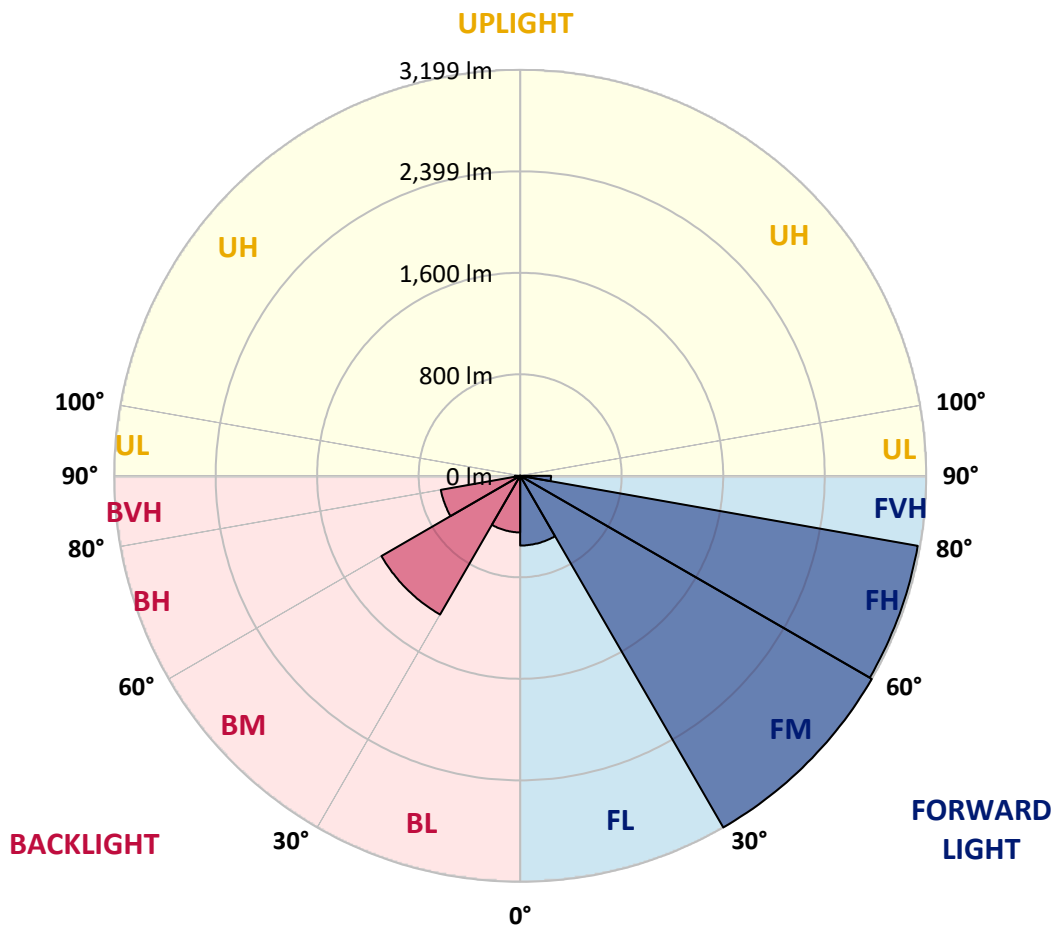


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	549.3	5.7			
FM (30°-60°)	3199.1	33.5			
FH (60°-80°)	3180.6	33.3			G2/5000
FVH (80°-90°)	242.9	2.5			G3/500
BL (0°-30°)	445.7	4.7	B1/500		
BM (30°-60°)	1262.5	13.2	B2/2500		
BH (60°-80°)	634.1	6.6	B2/1000		G2/1000
BVH (80°-90°)	41.8	0.4			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	973.2	973.2	973.2	973.2	973.2	973.2	973.2	973.2	973.2	973.2	973.2
2.5°	995.2	1001.2	999.2	1001.2	1001.2	993.2	989.2	981.2	981.2	981.2	977.2
5°	1035.2	1039.2	1033.2	1035.2	1035.2	1027.2	1017.2	1005.2	1001.2	993.2	987.2
7.5°	1061.2	1069.2	1071.2	1073.2	1073.2	1071.2	1063.2	1049.2	1039.2	1033.2	1019.2
10°	1101.1	1101.1	1107.1	1113.1	1125.1	1125.1	1113.1	1103.1	1097.1	1087.1	1063.2
12.5°	1121.1	1125.1	1131.1	1141.1	1155.1	1167.1	1161.1	1153.1	1145.1	1137.1	1109.1
15°	1135.1	1135.1	1145.1	1165.1	1187.1	1197.1	1201.1	1201.1	1197.1	1189.1	1159.1
17.5°	1159.1	1159.1	1171.1	1193.1	1211.1	1231.0	1253.0	1261.0	1265.0	1253.0	1227.0
20°	1201.1	1205.1	1211.1	1225.0	1241.0	1273.0	1313.0	1337.0	1339.0	1331.0	1309.0
22.5°	1243.0	1241.0	1245.0	1263.0	1289.0	1329.0	1378.9	1416.9	1420.9	1420.9	1402.9
25°	1301.0	1295.0	1293.0	1309.0	1342.9	1390.9	1448.9	1496.8	1512.8	1516.8	1534.8
27.5°	1358.9	1366.9	1358.9	1372.9	1400.9	1458.9	1534.8	1604.7	1626.7	1636.7	1714.7
30°	1512.8	1520.8	1490.8	1456.9	1474.8	1540.8	1630.7	1736.6	1766.6	1806.6	1930.5
32.5°	1724.7	1722.7	1722.7	1640.7	1570.8	1638.7	1732.6	1862.5	1926.5	2024.4	2172.3
35°	1916.5	1916.5	1910.5	1848.6	1760.6	1732.6	1848.6	2012.4	2120.3	2312.2	2424.1
37.5°	2084.4	2090.4	2098.4	2030.4	1976.5	1902.5	1978.5	2184.3	2354.2	2596.0	2697.9
40°	2232.3	2232.3	2262.2	2216.3	2178.3	2110.3	2116.3	2368.1	2620.0	2877.7	2951.7
42.5°	2348.2	2362.2	2404.1	2368.1	2376.1	2338.2	2286.2	2528.0	2867.8	3121.6	3189.5
45°	2442.1	2450.1	2488.1	2508.0	2562.0	2568.0	2512.0	2719.9	3111.6	3363.4	3405.3
47.5°	2510.0	2512.0	2546.0	2620.0	2727.9	2763.8	2741.9	2915.7	3353.4	3603.2	3611.2
50°	2542.0	2548.0	2618.0	2725.9	2891.7	2973.7	3013.6	3173.5	3607.2	3825.0	3825.0
52.5°	2570.0	2586.0	2675.9	2809.8	3033.6	3171.5	3235.5	3509.3	3859.0	4050.8	4042.8
55°	2588.0	2610.0	2697.9	2861.8	3131.6	3345.4	3447.3	3861.0	4180.7	4314.6	4252.7
57.5°	2476.1	2504.0	2659.9	2865.8	3197.5	3473.3	3679.1	4216.7	4542.4	4614.4	4464.5
60°	2290.2	2314.2	2492.1	2817.8	3183.5	3587.2	3932.9	4628.4	4954.1	4980.1	4690.3
62.5°	2098.4	2124.3	2292.2	2667.9	3089.6	3603.2	4166.7	5195.9	5513.7	5441.7	4942.1
65°	1858.5	1872.5	2046.4	2396.1	2903.7	3539.2	4348.6	5713.5	6105.2	6021.3	5189.9
67.5°	1572.8	1582.8	1736.6	2064.4	2578.0	3345.4	4480.5	6107.2	6365.0	6263.1	5385.8
70°	1195.1	1179.1	1305.0	1640.7	2168.3	2989.7	4510.5	6239.1	6409.0	6331.0	5407.8
72.5°	649.5	649.5	817.4	1089.1	1570.8	2410.1	4396.6	6175.2	6275.1	6175.2	5205.9
75°	117.9	127.9	193.8	379.7	781.4	1614.7	3841.0	5807.5	5961.3	5809.5	4800.2
77.5°	73.9	75.9	99.9	149.9	241.8	603.5	2512.0	5225.9	5447.7	5301.9	4158.7
80°	54.0	54.0	71.9	107.9	171.9	237.8	943.3	4044.8	4392.6	4352.6	3129.6
82.5°	38.0	40.0	52.0	77.9	117.9	165.9	277.8	1884.5	2296.2	2352.2	1502.8
85°	24.0	26.0	36.0	52.0	77.9	97.9	111.9	791.4	1123.1	1165.1	649.5
87.5°	12.0	14.0	22.0	34.0	48.0	58.0	54.0	50.0	52.0	58.0	30.0
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°	973.2	973.2	973.2	973.2	973.2	973.2	973.2	973.2	973.2	973.2	973.2
2.5°	973.2	971.2	967.2	963.2	959.2	953.3	947.3	939.3	937.3	933.3	931.3
5°	983.2	977.2	969.2	961.2	951.3	939.3	929.3	921.3	917.3	915.3	917.3
7.5°	1013.2	1003.2	991.2	979.2	961.2	945.3	929.3	919.3	909.3	905.3	905.3
10°	1055.2	1043.2	1025.2	1003.2	979.2	959.2	939.3	921.3	907.3	901.3	901.3
12.5°	1099.1	1085.2	1063.2	1033.2	1005.2	975.2	951.3	925.3	905.3	893.3	893.3
15°	1149.1	1135.1	1103.1	1075.2	1045.2	1011.2	973.2	933.3	901.3	879.3	877.3
17.5°	1211.1	1199.1	1169.1	1143.1	1105.1	1057.2	997.2	931.3	879.3	845.3	843.3
20°	1301.0	1287.0	1261.0	1227.0	1167.1	1091.1	1003.2	919.3	849.3	803.4	801.4
22.5°	1404.9	1414.9	1384.9	1301.0	1209.1	1111.1	1005.2	899.3	805.4	753.4	749.4
25°	1556.8	1568.8	1482.8	1358.9	1239.0	1105.1	985.2	863.3	745.4	689.5	685.5
27.5°	1736.6	1702.7	1570.8	1404.9	1241.0	1091.1	953.3	793.4	679.5	617.5	609.5
30°	1926.5	1872.5	1666.7	1436.9	1223.0	1061.2	877.3	713.4	629.5	575.5	565.6
32.5°	2132.3	2056.4	1770.6	1462.9	1197.1	1001.2	793.4	683.5	605.5	541.6	535.6
35°	2378.1	2252.2	1876.5	1470.8	1155.1	919.3	723.4	665.5	585.5	515.6	505.6
37.5°	2614.0	2458.1	1996.4	1468.9	1097.1	809.4	689.5	631.5	557.6	503.6	499.6
40°	2855.8	2669.9	2136.3	1464.9	1023.2	711.4	651.5	593.5	531.6	491.6	485.6
42.5°	3077.6	2863.8	2278.2	1450.9	911.3	665.5	613.5	565.6	511.6	453.6	443.7
45°	3273.4	3045.6	2384.1	1424.9	791.4	619.5	569.6	529.6	483.6	421.7	411.7
47.5°	3465.3	3207.5	2498.0	1370.9	673.5	577.5	523.6	489.6	443.7	387.7	375.7
50°	3635.2	3351.4	2562.0	1257.0	597.5	533.6	471.6	437.7	383.7	329.7	325.7
52.5°	3815.0	3555.2	2621.9	1059.2	517.6	481.6	419.7	375.7	329.7	301.8	291.8
55°	4000.9	3763.1	2679.9	813.4	449.6	437.7	363.7	311.8	263.8	249.8	255.8
57.5°	4182.7	3918.9	2655.9	571.6	407.7	381.7	305.8	251.8	213.8	215.8	227.8
60°	4382.6	4040.8	2488.1	389.7	369.7	311.8	255.8	215.8	187.9	177.9	175.9
62.5°	4566.4	4114.8	2128.3	331.7	327.7	273.8	231.8	195.8	173.9	153.9	147.9
65°	4706.3	4082.8	1670.7	301.8	295.8	261.8	221.8	185.9	161.9	131.9	125.9
67.5°	4720.3	3857.0	1231.0	275.8	275.8	261.8	221.8	175.9	117.9	101.9	101.9
70°	4548.4	3413.3	803.4	263.8	265.8	257.8	213.8	141.9	109.9	77.9	73.9
72.5°	4226.7	2921.7	397.7	239.8	257.8	227.8	193.8	145.9	103.9	71.9	67.9
75°	3687.1	2292.2	205.8	219.8	213.8	199.8	193.8	147.9	97.9	58.0	52.0
77.5°	3001.7	1378.9	171.9	197.8	171.9	185.9	173.9	139.9	91.9	56.0	52.0
80°	1654.7	541.6	137.9	133.9	141.9	147.9	159.9	133.9	99.9	63.9	60.0
82.5°	667.5	119.9	75.9	89.9	97.9	123.9	143.9	129.9	95.9	63.9	62.0
85°	173.9	36.0	34.0	48.0	71.9	101.9	121.9	99.9	69.9	56.0	54.0
87.5°	12.0	12.0	16.0	24.0	24.0	12.0	2.0	2.0	2.0	2.0	4.0
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)