

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: P511231

Luminaire Tested: **PRV-P-PA1C-730-U-T2R**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-1)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-PA1C-730-U-T2R
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8647 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

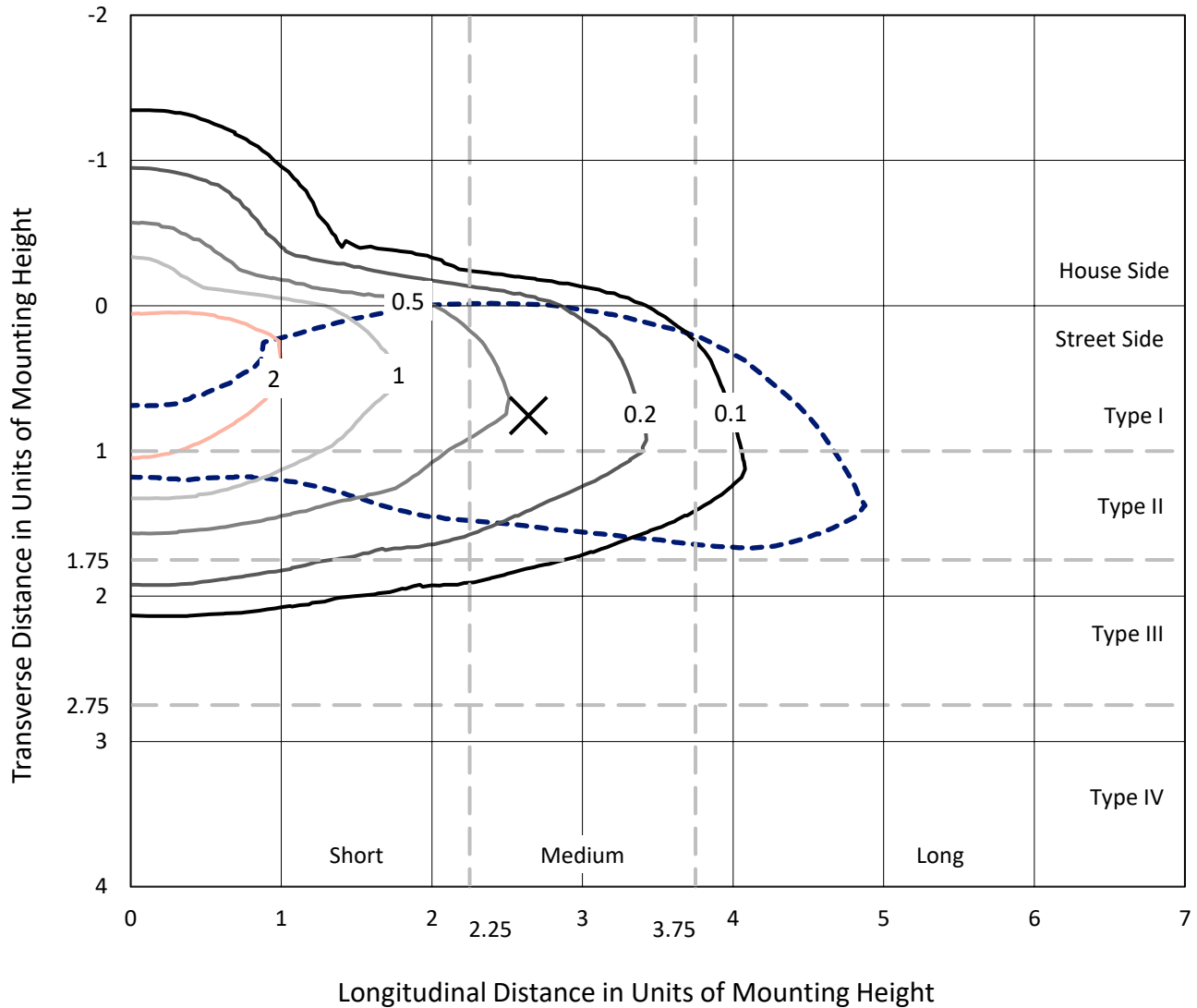
Input Watts (W): 72.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

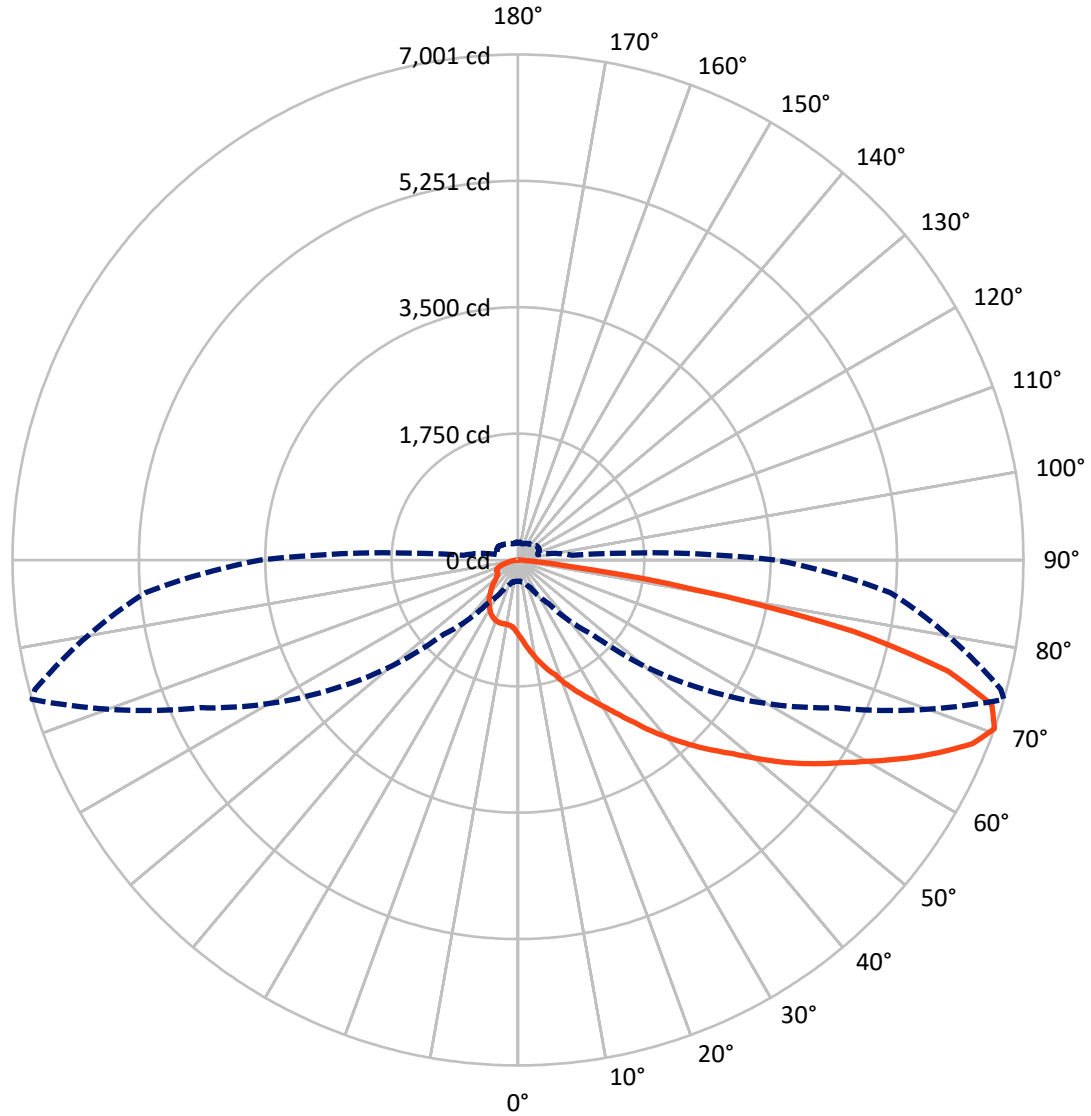
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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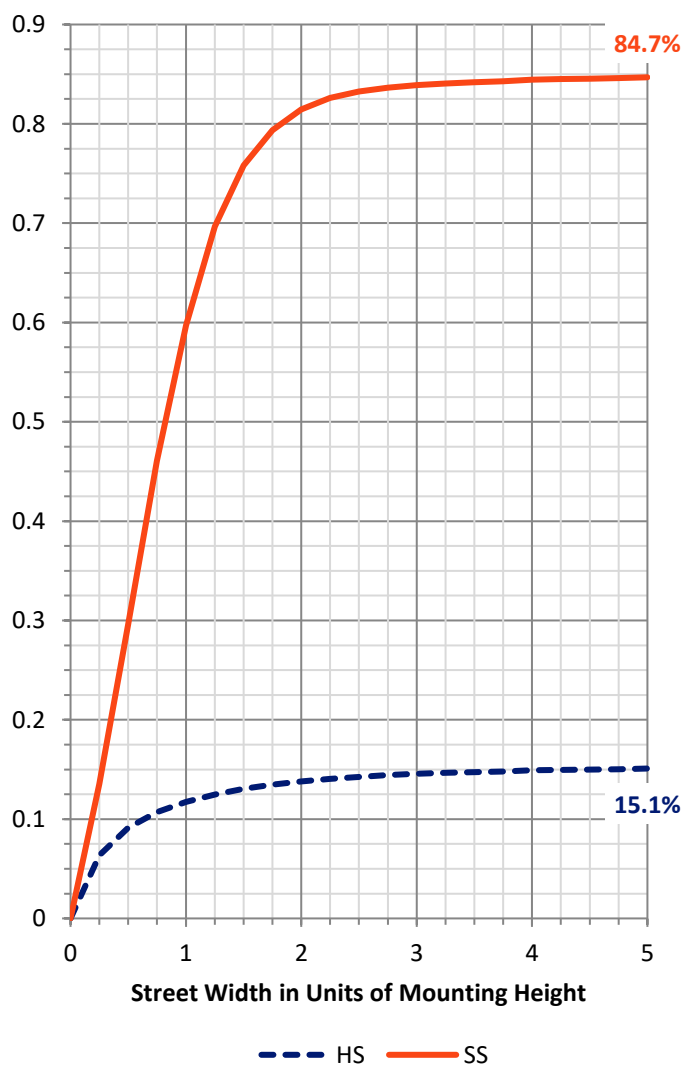
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1315.4	0.0	1315.4
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	7331.6	0.0	7331.6
	% Fixture	84.8	0.0	84.8
Total	Lumens	8647.0	0.0	8647.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.4	1.3
10°-20°	362.0	4.2
20°-30°	673.2	7.8
30°-40°	1135.3	13.1
40°-50°	1609.6	18.6
50°-60°	1850.0	21.4
60°-70°	1726.2	20.0
70°-80°	1070.4	12.4
80°-90°	111.9	1.3
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°	8647.0	100.0
0°-180°	8647.0	100.0

Coefficient of Utilization



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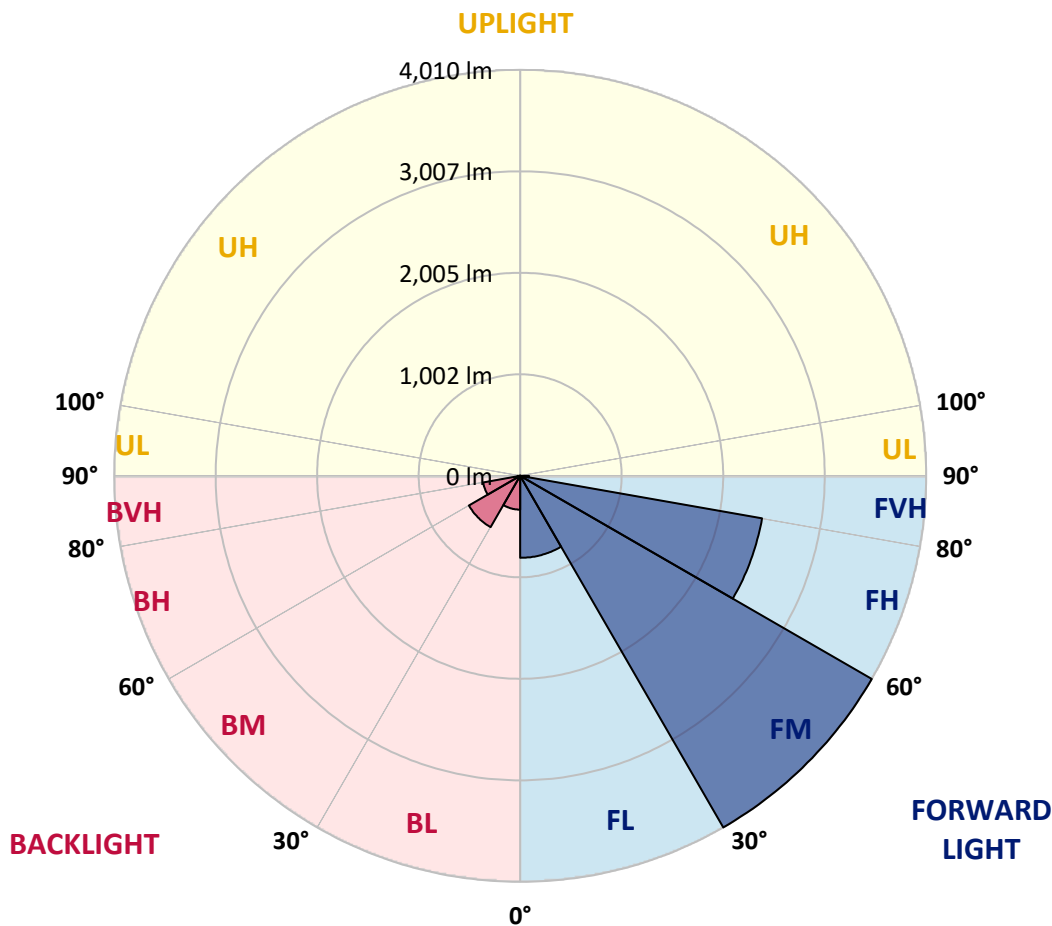
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	809.8	9.4			
FM (30°-60°)	4009.9	46.4			
FH (60°-80°)	2425.2	28.0			G2/5000
FVH (80°-90°)	86.7	1.0			G1/100
BL (0°-30°)	333.8	3.9	B1/500		
BM (30°-60°)	585.0	6.8	B1/1000		
BH (60°-80°)	371.3	4.3	B1/500		G1/500
BVH (80°-90°)	25.2	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-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1032.8	1032.8	1032.8	1032.8	1032.8	1032.8	1032.8	1032.8	1032.8	1032.8	1032.8
2.5°	1293.8	1301.5	1295.7	1284.2	1263.1	1219.0	1190.2	1157.5	1103.8	1103.8	1063.5
5°	1472.4	1472.4	1462.8	1451.2	1432.0	1386.0	1341.8	1274.6	1195.9	1188.2	1099.9
7.5°	1554.9	1554.9	1554.9	1553.0	1545.3	1508.8	1458.9	1376.4	1284.2	1276.6	1136.4
10°	1625.9	1620.2	1622.1	1625.9	1618.2	1614.4	1572.2	1493.5	1386.0	1374.5	1205.5
12.5°	1698.9	1687.4	1691.2	1698.9	1704.6	1691.2	1660.5	1597.1	1478.1	1470.4	1265.0
15°	1748.8	1748.8	1754.5	1769.9	1777.6	1779.5	1756.5	1708.5	1583.7	1564.5	1338.0
17.5°	1785.3	1783.3	1794.9	1821.7	1850.5	1862.0	1869.7	1816.0	1670.1	1662.4	1407.1
20°	1829.4	1829.4	1844.8	1883.2	1919.6	1952.3	1973.4	1950.3	1808.3	1781.4	1497.3
22.5°	1956.1	1956.1	1954.2	1975.3	2011.8	2036.7	2071.3	2069.4	1929.2	1896.6	1581.8
25°	2261.3	2274.8	2215.2	2146.1	2144.2	2153.8	2161.5	2221.0	2065.5	2040.6	1672.0
27.5°	2700.9	2714.4	2624.1	2514.7	2363.1	2292.0	2261.3	2363.1	2201.8	2178.8	1756.5
30°	3113.6	3088.7	3040.7	2921.7	2708.6	2510.9	2391.9	2503.2	2361.1	2313.2	1825.6
32.5°	3393.9	3376.6	3334.4	3223.1	3048.4	2810.3	2556.9	2635.6	2543.5	2499.4	1935.0
35°	3549.4	3543.6	3499.5	3445.7	3349.7	3155.9	2789.2	2796.9	2758.5	2720.1	2059.8
37.5°	3679.9	3666.5	3620.4	3568.6	3532.1	3432.3	3096.4	2948.5	3006.1	2933.2	2192.2
40°	3768.2	3756.7	3722.2	3668.4	3662.6	3651.1	3415.0	3148.2	3246.1	3175.1	2345.8
42.5°	3810.5	3798.9	3791.3	3741.4	3752.9	3804.7	3718.3	3384.3	3497.6	3415.0	2518.6
45°	3833.5	3823.9	3818.1	3779.7	3791.3	3898.8	3962.1	3655.0	3749.0	3674.2	2697.1
47.5°	3785.5	3775.9	3810.5	3795.1	3823.9	3960.2	4117.6	3937.2	4010.1	3914.1	2902.5
50°	3555.1	3585.9	3683.8	3743.3	3804.7	3985.1	4265.4	4225.1	4326.8	4209.7	3132.8
52.5°	2927.4	2979.3	3317.1	3566.7	3743.3	3987.1	4363.3	4509.2	4664.7	4584.1	3365.1
55°	2318.9	2378.4	2662.5	3152.0	3566.7	3950.6	4407.5	4689.6	4983.4	4868.2	3607.0
57.5°	1967.6	2002.2	2113.5	2564.6	3192.3	3841.2	4497.7	4827.9	5294.3	5215.6	3854.6
60°	1658.6	1664.3	1781.4	2065.5	2651.0	3576.3	4551.4	4933.4	5651.4	5547.7	4129.1
62.5°	1261.2	1305.3	1424.4	1649.0	2119.3	3132.8	4570.6	5040.9	6046.8	5964.3	4449.7
65°	789.0	817.8	956.0	1247.8	1673.9	2547.3	4351.8	5148.4	6423.1	6359.7	4770.3
67.5°	424.2	447.3	547.1	762.1	1201.7	1990.7	3825.8	5115.8	6789.7	6739.8	5064.0
70°	293.7	295.6	318.7	428.1	729.5	1453.2	3109.8	4843.2	7000.9	6924.1	5179.2
72.5°	243.8	247.6	259.1	284.1	391.6	894.5	2253.6	4317.2	6862.7	6757.1	4935.4
75°	207.3	209.2	220.8	234.2	264.9	472.2	1434.0	3559.0	6152.4	6046.8	4161.8
77.5°	170.8	174.7	184.3	201.6	220.8	270.7	746.7	2768.1	4751.1	4622.5	2739.3
80°	120.9	122.9	134.4	153.6	180.4	190.0	287.9	1658.6	2472.5	2270.9	1044.3
82.5°	71.0	74.9	90.2	105.6	132.5	113.3	134.4	629.6	694.9	623.9	216.9
85°	17.3	21.1	30.7	42.2	53.7	38.4	59.5	122.9	144.0	132.5	40.3
87.5°	1.9	1.9	1.9	1.9	3.8	5.8	9.6	9.6	9.6	7.7	5.8
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°	1032.8	1032.8	1032.8	1032.8	1032.8	1032.8	1032.8	1032.8	1032.8	1032.8	1032.8
2.5°	1036.6	1017.4	977.1	940.6	913.7	890.7	881.1	860.0	856.2	848.5	850.4
5°	1046.2	1004.0	932.9	881.1	854.2	833.1	821.6	819.7	821.6	819.7	821.6
7.5°	1069.2	1007.8	917.6	860.0	840.8	831.2	827.4	827.4	833.1	831.2	829.3
10°	1101.9	1023.2	911.8	858.1	846.6	842.7	838.9	840.8	842.7	846.6	833.1
12.5°	1147.9	1042.4	908.0	860.0	846.6	840.8	835.0	835.0	838.9	831.2	835.0
15°	1184.4	1067.3	911.8	854.2	838.9	829.3	819.7	815.8	812.0	810.1	808.2
17.5°	1236.2	1094.2	908.0	848.5	823.5	804.3	785.1	777.4	773.6	769.8	767.9
20°	1295.7	1111.5	902.2	833.1	796.6	767.9	746.7	731.4	717.9	716.0	710.3
22.5°	1345.7	1140.3	886.9	808.2	762.1	725.6	694.9	679.5	662.3	652.7	646.9
25°	1418.6	1171.0	863.8	771.7	716.0	681.5	639.2	620.0	600.8	587.4	587.4
27.5°	1466.6	1180.6	838.9	731.4	669.9	616.2	577.8	552.9	535.6	526.0	526.0
30°	1533.8	1203.6	798.6	691.1	616.2	568.2	520.2	497.2	481.8	466.5	460.7
32.5°	1602.9	1219.0	764.0	641.2	564.4	506.8	470.3	456.9	431.9	412.7	408.9
35°	1695.0	1242.0	719.9	591.2	508.7	464.5	449.2	418.5	383.9	364.7	360.9
37.5°	1806.4	1267.0	669.9	535.6	462.6	437.7	430.0	380.1	353.2	345.5	345.5
40°	1933.1	1286.2	616.2	483.7	414.6	422.3	403.1	357.1	339.8	335.9	334.0
42.5°	2067.4	1303.4	566.3	430.0	385.8	399.3	376.2	349.4	334.0	330.2	326.3
45°	2213.3	1307.3	516.4	389.7	360.9	366.6	357.1	339.8	326.3	324.4	322.5
47.5°	2372.7	1311.1	462.6	353.2	345.5	335.9	341.7	326.3	318.7	316.7	314.8
50°	2568.5	1301.5	412.7	330.2	334.0	316.7	324.4	314.8	312.9	309.1	305.2
52.5°	2741.2	1270.8	374.3	318.7	326.3	312.9	311.0	307.1	307.1	299.5	295.6
55°	2906.3	1228.6	349.4	312.9	316.7	307.1	305.2	301.4	299.5	289.9	287.9
57.5°	3061.8	1167.1	334.0	314.8	312.9	303.3	303.3	297.5	287.9	284.1	280.3
60°	3271.0	1115.3	328.3	318.7	309.1	301.4	301.4	291.8	282.2	276.4	274.5
62.5°	3466.8	1059.6	326.3	326.3	311.0	299.5	297.5	287.9	274.5	272.6	268.7
65°	3666.5	990.5	324.4	335.9	314.8	299.5	293.7	280.3	264.9	264.9	261.1
67.5°	3708.7	904.1	311.0	337.9	318.7	297.5	286.0	268.7	251.5	255.3	247.6
70°	3568.6	756.3	282.2	324.4	328.3	297.5	272.6	251.5	230.4	247.6	232.3
72.5°	3146.3	597.0	236.1	284.1	320.6	297.5	257.2	228.4	201.6	199.6	186.2
75°	2484.0	401.2	182.4	222.7	291.8	297.5	234.2	199.6	170.8	155.5	155.5
77.5°	1503.1	264.9	140.1	157.4	234.2	274.5	205.4	155.5	128.6	119.0	115.2
80°	495.3	147.8	103.7	109.4	145.9	199.6	174.7	122.9	94.1	82.5	72.9
82.5°	134.4	78.7	67.2	61.4	72.9	147.8	138.2	80.6	57.6	48.0	36.5
85°	32.6	32.6	30.7	26.9	23.0	44.2	53.7	19.2	11.5	5.8	5.8
87.5°	5.8	5.8	5.8	5.8	3.8	1.9	1.9	0.0	1.9	1.9	1.9
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)