

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: P286962

Luminaire Tested: **PRV-C15-D-UNV-T3-BZ-7050**

Issue Date: 3/4/2019

Test Information

Test Method: LM-79-08
Report Number: P286962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-6)
Test Lab: INNOVATIONS CENTER(G2)
Issue Date: 3/4/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-C15-D-UNV-T3-BZ-7050
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED AND TYPE III OPTIC, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7240 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

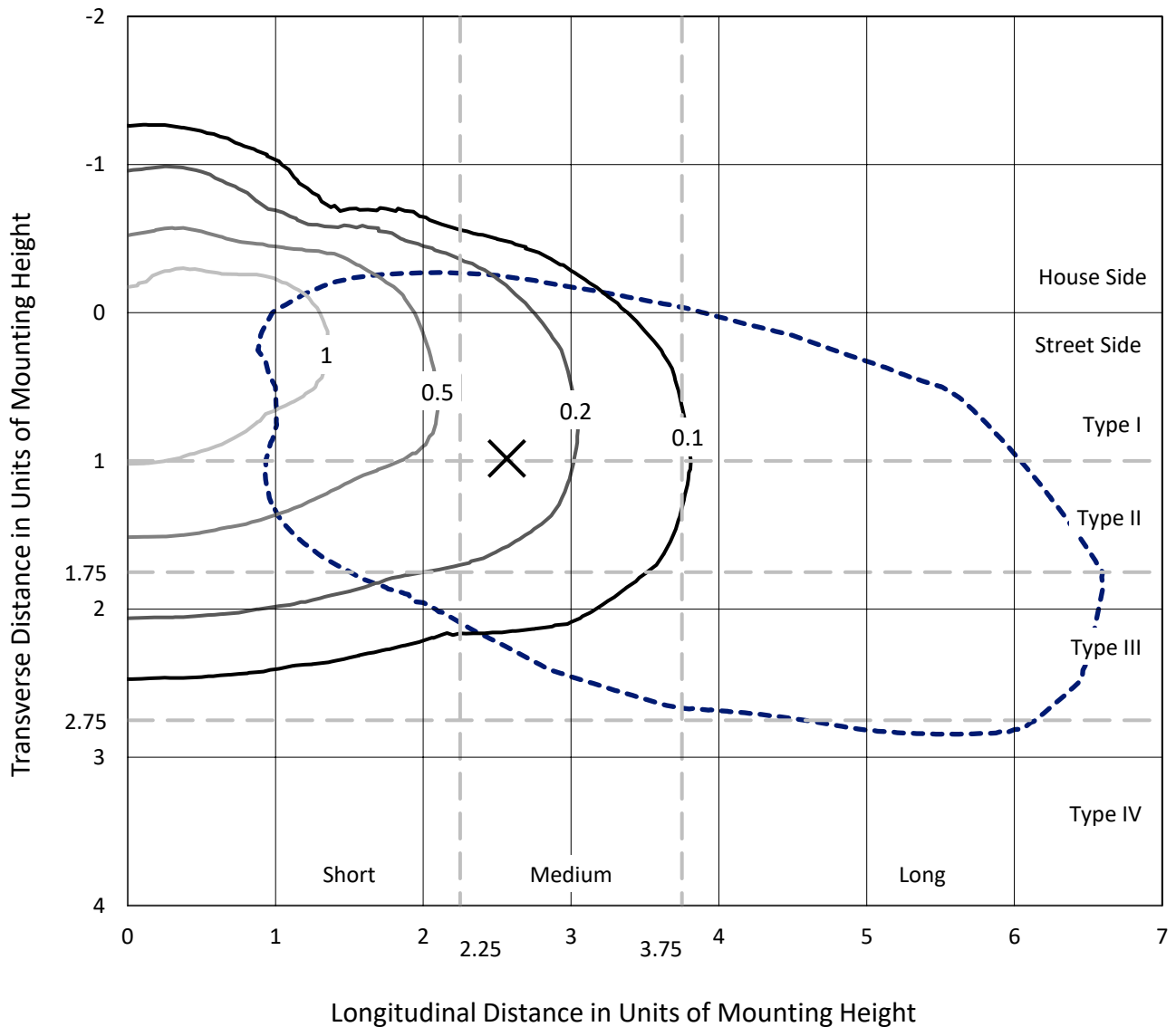
Input Watts (W): 52
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P286962
 CATALOG NUMBER: PRV-C15-D-UNV-T3-BZ-7050

Iso-Footcandle Lines of Horizontal Illumination

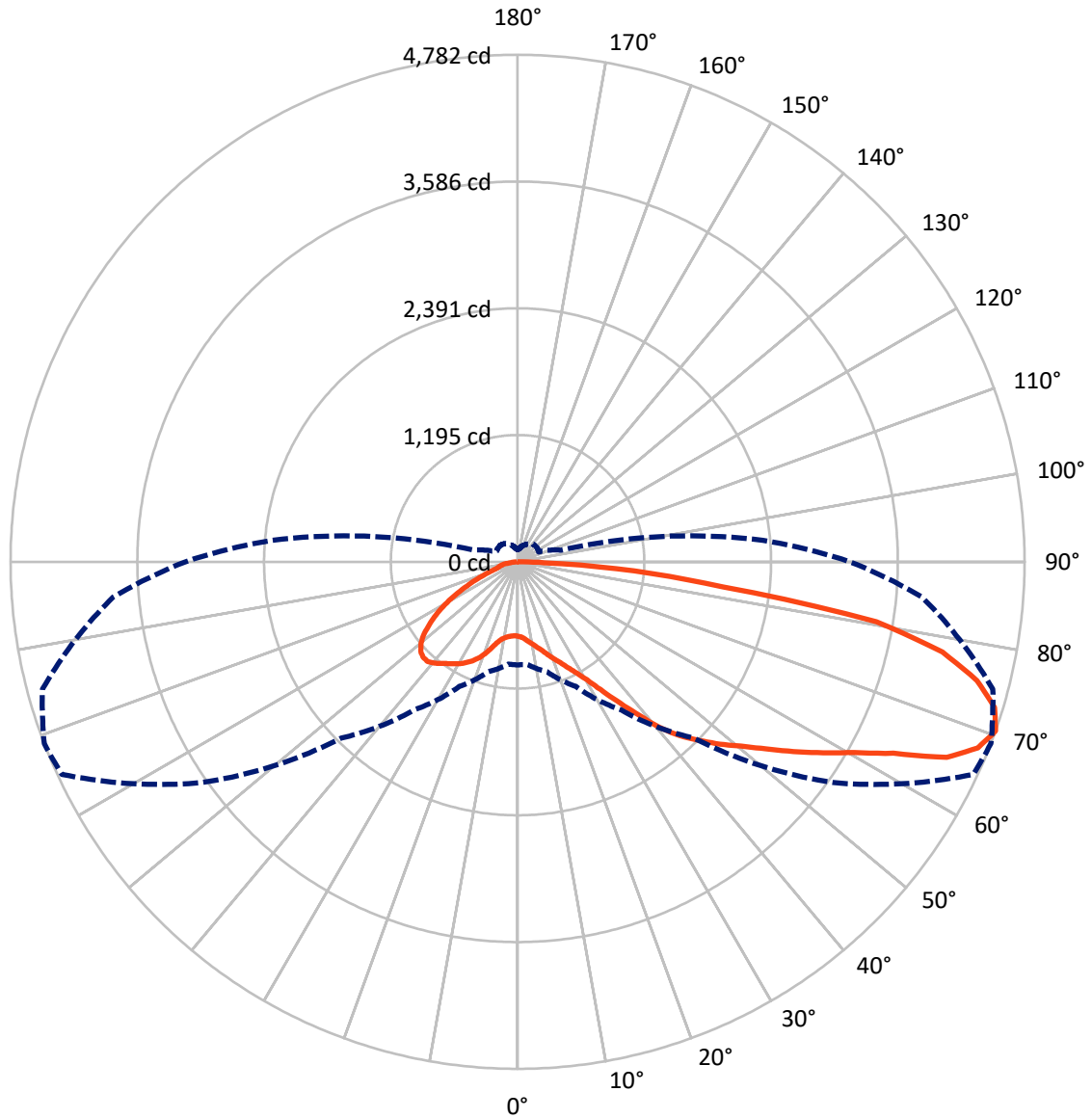
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P286962
CATALOG NUMBER: PRV-C15-D-UNV-T3-BZ-7050

Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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 CATALOG NUMBER: PRV-C15-D-UNV-T3-BZ-7050

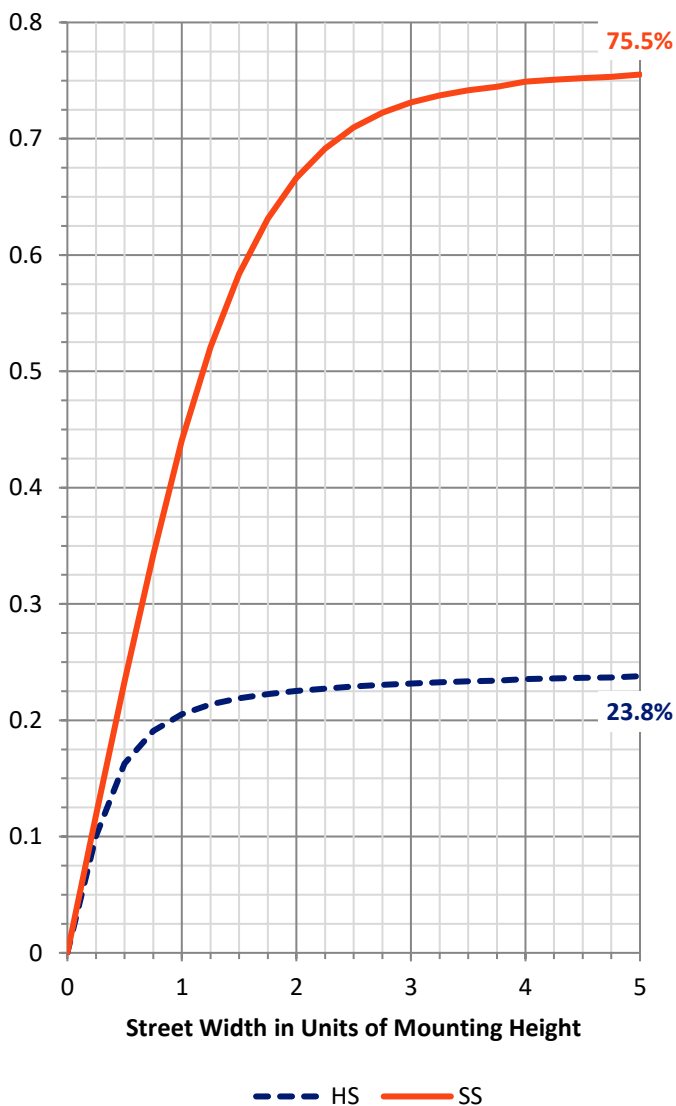
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1756.0	0.0	1756.0
	% Fixture	24.3	0.0	24.3
Street Side	Lumens	5484.0	0.0	5484.0
	% Fixture	75.7	0.0	75.7
Total	Lumens	7240.0	0.0	7240.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.6	1.0
10°-20°	229.0	3.2
20°-30°	430.6	5.9
30°-40°	737.1	10.2
40°-50°	1125.9	15.6
50°-60°	1456.0	20.1
60°-70°	1656.1	22.9
70°-80°	1261.9	17.4
80°-90°	273.8	3.8
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°	7240.0	100.0
0°-180°	7240.0	100.0

Coefficient of Utilization



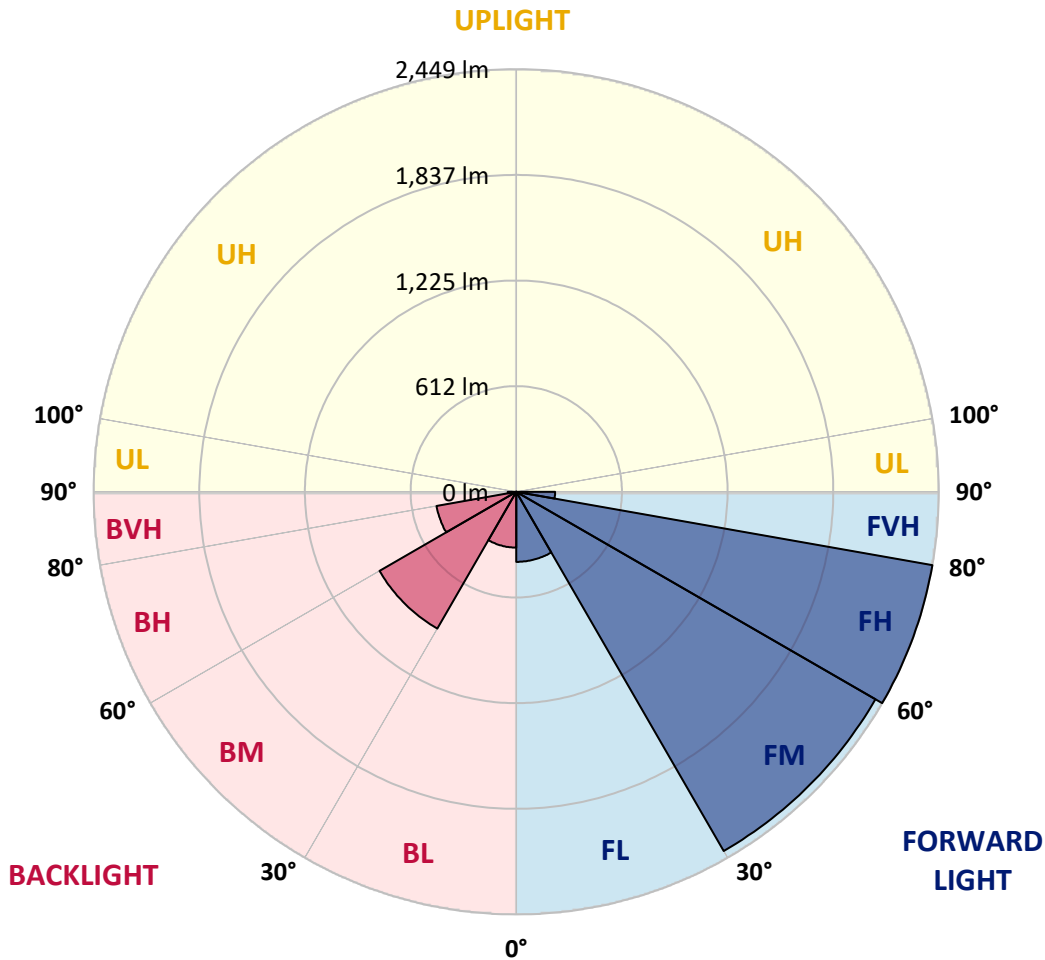
REPORT NUMBER: P286962
 CATALOG NUMBER: PRV-C15-D-UNV-T3-BZ-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	405.9	5.6			
FM (30°-60°)	2403.9	33.2			
FH (60°-80°)	2449.2	33.8			G2/5000
FVH (80°-90°)	225.0	3.1			G3/500
BL (0°-30°)	323.3	4.5	B1/500		
BM (30°-60°)	915.1	12.6	B1/1000		
BH (60°-80°)	468.9	6.5	B1/500		G1/500
BVH (80°-90°)	48.7	0.7			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





REPORT NUMBER: P286962

CATALOG NUMBER: PRV-C15-D-UNV-T3-BZ-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	703.3	703.3	703.3	703.3	703.3	703.3	703.3	703.3	703.3	703.3	703.3
2.5°	746.1	741.1	741.5	728.7	729.1	724.1	721.3	717.1	710.0	712.5	700.8
5°	782.2	775.5	777.6	762.4	761.7	754.9	747.8	735.1	731.9	730.5	720.2
7.5°	805.9	804.5	803.4	795.6	794.9	787.1	780.4	766.6	761.3	754.9	741.8
10°	828.9	830.0	831.0	817.6	826.1	816.9	809.4	798.1	791.0	788.9	768.7
12.5°	840.6	841.6	847.3	843.4	848.4	853.3	845.9	834.2	827.1	827.1	803.8
15°	850.8	853.7	863.2	866.4	875.3	879.5	885.2	877.7	867.1	865.4	845.9
17.5°	868.2	866.8	875.3	889.4	899.7	907.8	923.8	921.6	920.9	916.3	902.2
20°	891.5	889.1	897.6	903.6	919.5	943.9	965.5	976.5	975.8	973.3	960.9
22.5°	917.0	914.5	914.9	919.5	941.1	977.9	1011.2	1032.1	1032.4	1033.8	1045.1
25°	960.6	950.3	947.1	951.0	976.8	1021.8	1064.6	1098.9	1105.7	1113.8	1149.9
27.5°	1066.0	1071.0	1027.8	999.8	1021.4	1076.6	1126.9	1177.5	1188.1	1212.6	1284.8
30°	1229.9	1221.8	1199.8	1138.9	1089.7	1138.9	1209.7	1272.4	1292.5	1354.8	1420.0
32.5°	1353.8	1354.1	1343.5	1291.8	1223.9	1211.8	1291.8	1395.5	1435.5	1551.3	1609.7
35°	1479.4	1474.1	1483.3	1434.5	1374.3	1331.5	1381.4	1518.3	1610.0	1781.3	1812.8
37.5°	1597.3	1599.0	1601.2	1554.1	1525.4	1510.6	1504.9	1677.3	1808.9	1995.1	2014.9
40°	1684.7	1694.2	1701.0	1675.1	1664.9	1665.6	1641.2	1865.9	2048.2	2231.5	2208.9
42.5°	1754.4	1765.4	1814.2	1779.5	1794.4	1824.1	1819.9	2015.3	2242.1	2412.7	2386.5
45°	1812.8	1813.2	1847.1	1860.9	1914.0	1970.3	1974.9	2174.5	2402.8	2576.2	2526.0
47.5°	1853.2	1846.1	1872.6	1928.9	2026.6	2092.8	2136.7	2354.7	2568.8	2722.8	2668.6
50°	1865.6	1875.5	1919.7	1991.2	2121.4	2225.8	2318.2	2583.0	2730.5	2866.1	2784.3
52.5°	1888.6	1892.8	1954.7	2048.2	2217.7	2356.8	2448.8	2818.7	2929.5	3013.0	2925.9
55°	1908.0	1920.1	1979.2	2078.3	2278.6	2463.0	2587.2	3033.5	3158.4	3174.7	3074.2
57.5°	1838.3	1850.0	1955.1	2086.8	2329.2	2548.6	2739.0	3242.3	3397.7	3370.1	3203.7
60°	1709.5	1722.9	1848.9	2063.4	2337.3	2644.2	2938.0	3519.8	3650.4	3617.1	3349.6
62.5°	1592.7	1593.4	1729.6	1963.2	2298.8	2709.7	3179.7	3878.7	3977.1	3918.7	3511.3
65°	1438.7	1437.3	1560.5	1802.2	2189.7	2689.5	3368.3	4316.9	4447.1	4281.5	3666.0
67.5°	1230.6	1226.4	1350.9	1575.0	1987.3	2585.8	3528.3	4614.9	4682.1	4546.2	3789.5
70°	972.9	968.3	1073.8	1296.1	1705.2	2349.0	3629.2	4742.3	4781.9	4640.0	3828.4
72.5°	682.4	679.5	742.5	918.4	1304.6	1976.3	3607.6	4678.6	4703.7	4541.9	3714.1
75°	403.8	402.8	461.5	562.0	771.2	1472.7	3363.7	4445.0	4475.1	4328.2	3433.4
77.5°	155.7	144.4	225.5	273.6	438.5	689.8	2573.1	4025.6	4095.3	3957.3	3025.0
80°	51.0	52.7	158.2	193.2	254.5	309.0	1376.8	3267.1	3432.4	3343.9	2291.3
82.5°	37.2	38.2	98.4	130.6	168.5	209.5	521.0	1776.0	1950.1	1920.1	1124.8
85°	24.4	24.4	33.6	46.4	63.0	83.9	146.2	901.5	1105.0	1072.0	487.4
87.5°	13.1	13.4	19.5	28.0	37.9	44.2	46.7	184.4	251.6	219.1	97.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P286962

CATALOG NUMBER: PRV-C15-D-UNV-T3-BZ-7050

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	703.3	703.3	703.3	703.3	703.3	703.3	703.3	703.3	703.3	703.3	703.3
2.5°	697.2	704.3	699.0	694.8	687.7	683.8	684.8	681.3	678.1	686.3	682.4
5°	716.7	721.3	707.5	699.4	688.0	678.5	677.8	670.0	666.1	669.3	670.7
7.5°	733.3	736.9	718.5	704.0	692.6	681.3	673.5	660.1	654.8	660.4	662.6
10°	762.0	757.8	735.5	719.2	702.5	688.7	675.6	662.9	653.3	653.7	654.4
12.5°	794.6	782.9	763.1	740.1	722.0	708.2	690.2	668.6	653.3	653.0	655.5
15°	839.9	825.7	808.4	781.1	760.9	741.1	712.1	674.6	650.5	642.0	638.5
17.5°	896.5	877.7	871.7	840.2	807.0	769.1	722.7	677.1	634.6	618.7	619.4
20°	964.5	958.4	950.6	899.0	851.2	787.5	727.7	665.7	608.8	580.8	578.0
22.5°	1060.0	1057.2	1020.4	949.6	876.3	799.5	723.4	641.7	573.0	538.3	531.2
25°	1170.4	1147.4	1079.1	992.4	896.1	802.7	706.4	606.6	530.9	487.7	485.6
27.5°	1280.2	1239.5	1138.9	1019.3	897.9	790.3	670.7	558.9	489.1	448.8	443.5
30°	1407.9	1353.1	1199.5	1038.8	894.0	759.2	620.8	518.9	461.5	421.5	415.5
32.5°	1569.3	1476.2	1259.3	1047.6	867.8	717.4	567.7	501.5	441.3	395.3	388.3
35°	1762.6	1638.7	1340.3	1047.3	833.5	652.6	540.8	491.6	427.2	370.6	359.9
37.5°	1947.7	1820.6	1432.0	1043.0	778.6	585.0	522.0	475.7	417.6	365.6	359.6
40°	2118.3	1970.0	1543.1	1035.2	714.2	544.0	501.2	450.9	406.3	370.2	363.5
42.5°	2277.2	2110.8	1642.6	1015.8	643.4	515.0	472.8	434.3	394.3	348.6	338.4
45°	2420.9	2229.7	1711.2	969.8	565.9	482.8	441.0	412.0	372.3	325.6	317.5
47.5°	2540.8	2338.0	1759.7	907.8	503.3	448.8	404.2	380.5	345.4	302.6	292.0
50°	2646.0	2445.3	1792.6	802.4	448.4	414.1	367.7	341.9	310.4	280.0	272.5
52.5°	2748.6	2553.9	1830.9	661.5	396.8	373.7	326.0	297.3	273.6	259.4	254.5
55°	2884.2	2692.3	1830.9	484.9	349.3	341.5	289.9	252.0	235.4	225.5	227.9
57.5°	3006.6	2777.3	1753.7	361.0	319.2	308.3	250.6	213.4	195.7	198.2	205.6
60°	3142.2	2858.3	1538.5	298.7	293.8	262.6	213.8	187.6	178.4	169.5	168.5
62.5°	3235.2	2870.0	1262.1	263.7	268.3	231.8	200.0	172.7	162.5	149.7	146.9
65°	3339.3	2807.4	949.6	247.4	245.6	220.1	197.1	170.6	156.4	135.6	132.0
67.5°	3301.1	2622.2	674.2	229.0	229.7	221.6	201.7	170.2	153.3	130.6	128.1
70°	3135.1	2322.5	422.6	220.5	226.5	224.4	209.9	179.1	152.2	118.6	115.0
72.5°	2901.1	1936.7	236.4	204.6	224.7	226.2	219.8	187.2	139.4	97.0	94.9
75°	2517.5	1478.0	169.2	189.4	216.2	225.8	215.5	180.1	127.8	91.3	88.5
77.5°	1968.2	866.4	149.0	174.5	200.3	201.7	213.8	187.2	132.7	92.7	89.5
80°	1064.3	358.5	125.3	153.6	164.6	190.8	207.4	174.8	122.8	74.7	70.1
82.5°	431.8	101.2	72.9	97.7	133.4	157.5	184.8	154.7	112.5	62.3	58.8
85°	110.4	34.7	34.0	49.9	80.0	117.9	150.1	132.4	91.7	27.6	1.8
87.5°	13.8	11.3	13.4	27.6	52.0	84.6	110.1	95.6	65.1	0.4	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)