

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: P286958

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

Issue Date: 3/4/2019

Test Information

Test Method: LM-79-08
Report Number: P286958
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
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED AND TYPE III OPTIC, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7111 lumens
Efficiency: N/A
Efficacy: 136.8 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

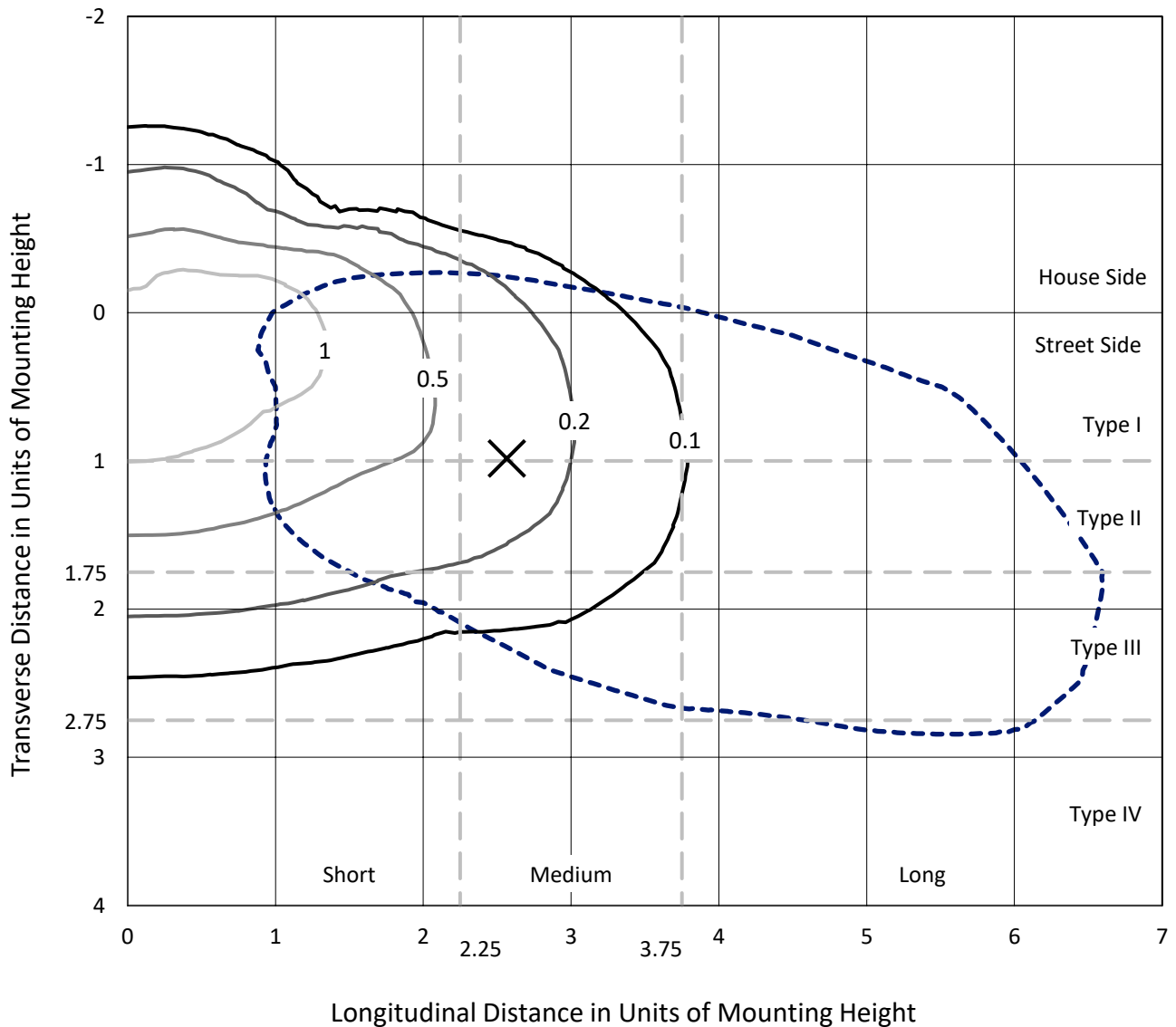
Input Watts (W): 52
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

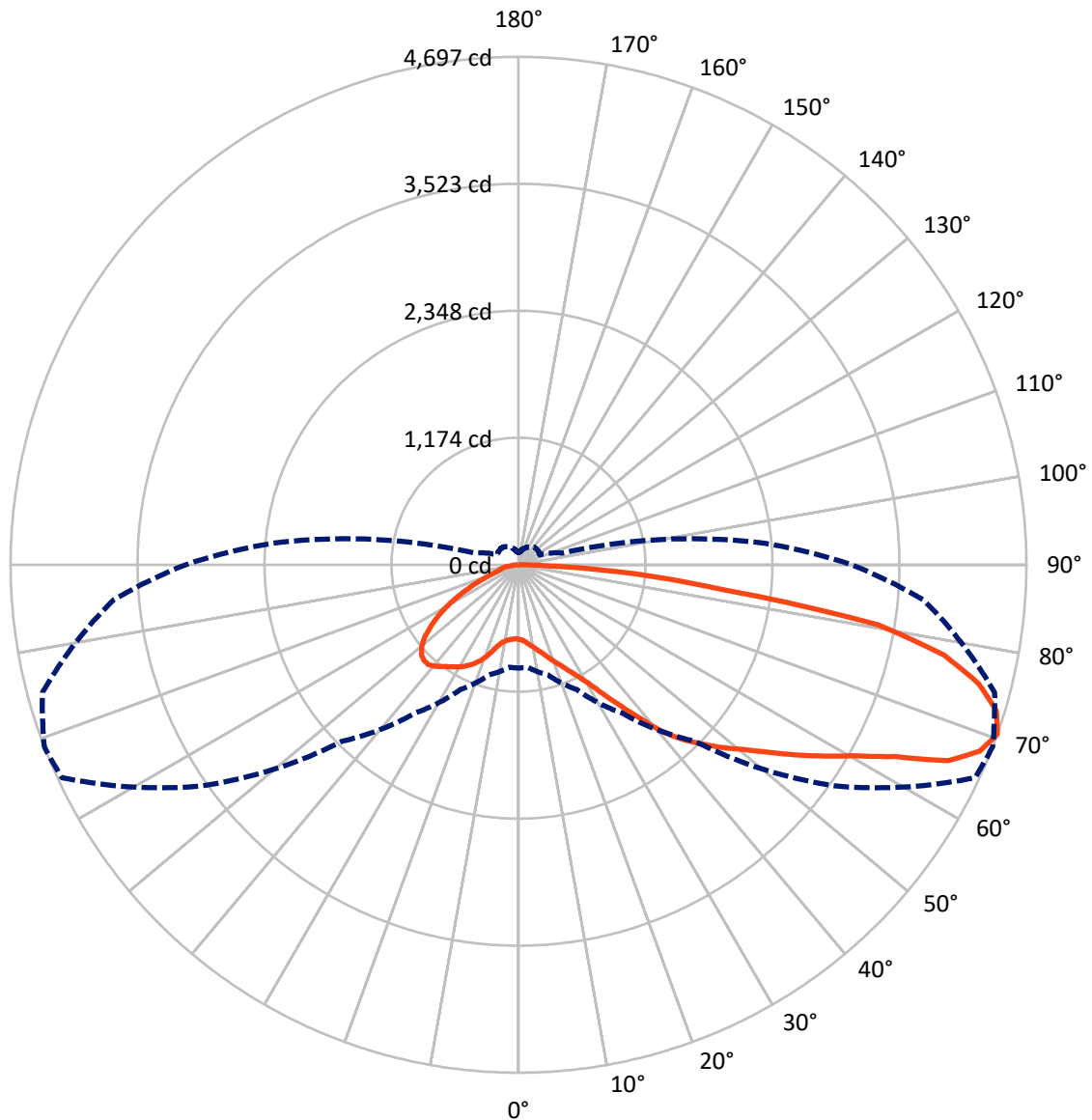
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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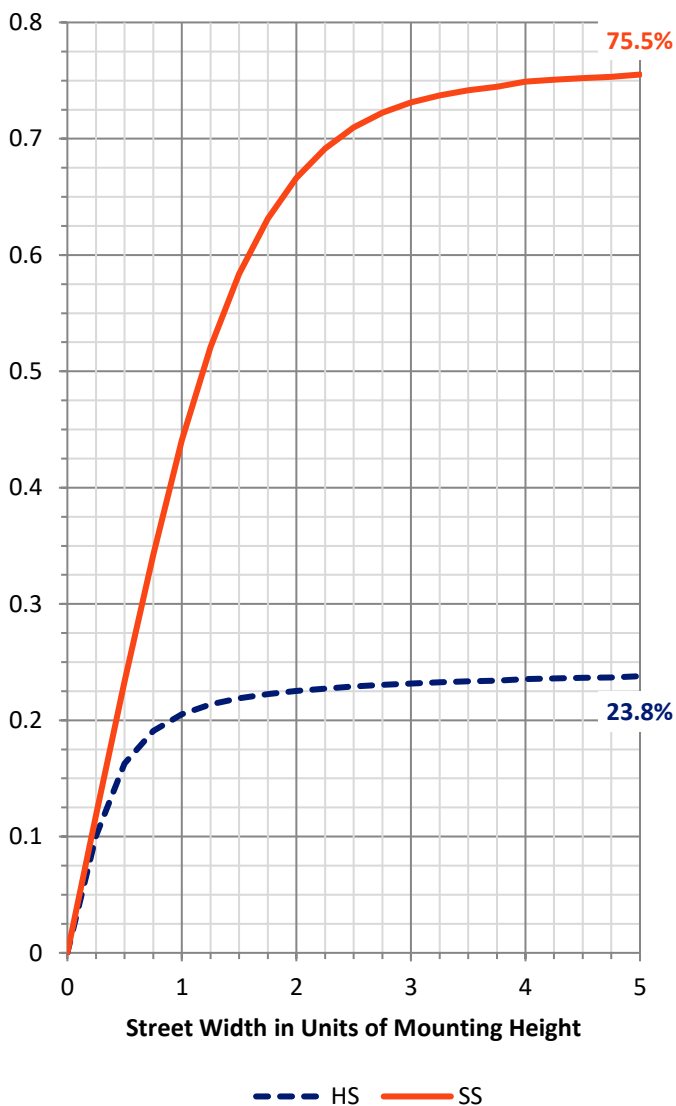
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1724.8	0.0	1724.8
	% Fixture	24.3	0.0	24.3
Street Side	Lumens	5386.2	0.0	5386.2
	% Fixture	75.7	0.0	75.7
Total	Lumens	7111.0	0.0	7111.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.4	1.0
10°-20°	224.9	3.2
20°-30°	422.9	5.9
30°-40°	724.0	10.2
40°-50°	1105.8	15.6
50°-60°	1430.0	20.1
60°-70°	1626.6	22.9
70°-80°	1239.5	17.4
80°-90°	268.9	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°	7111.0	100.0
0°-180°	7111.0	100.0

Coefficient of Utilization

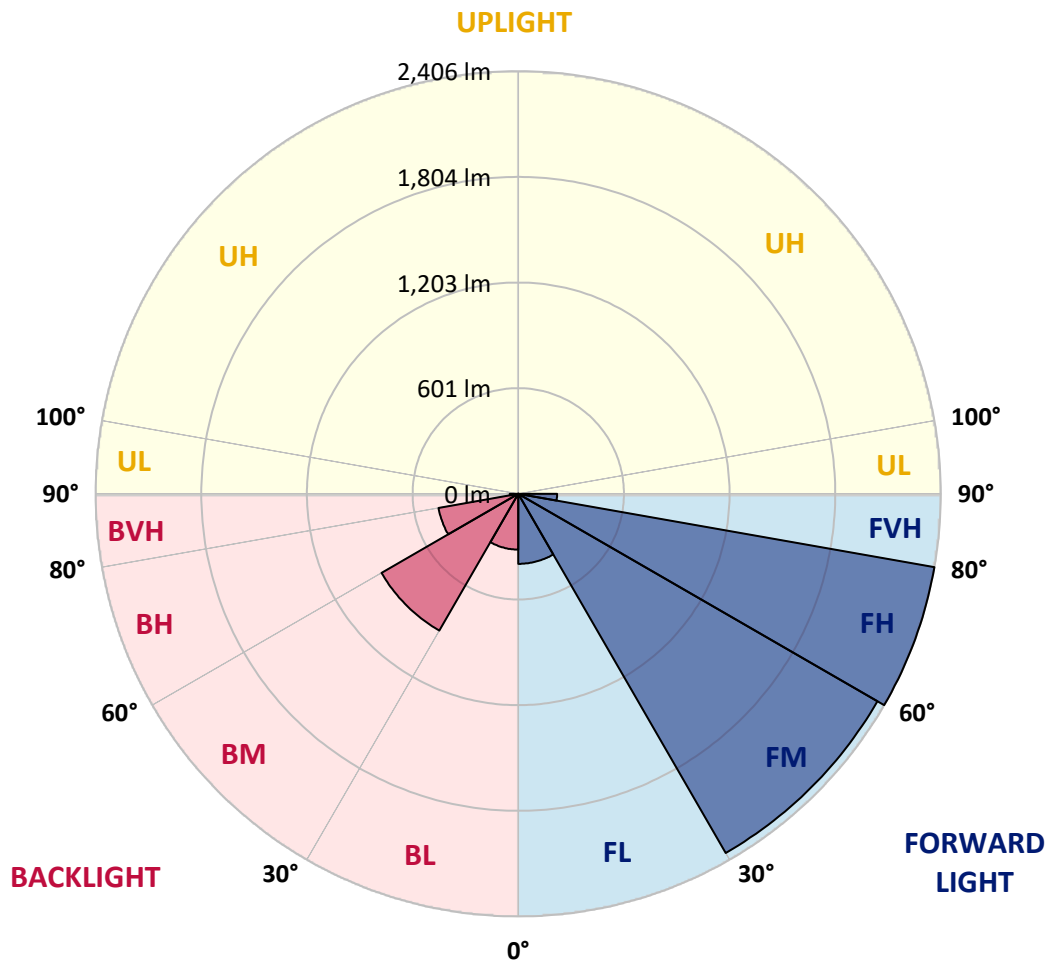


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	398.6	5.6			
FM (30°-60°)	2361.0	33.2			
FH (60°-80°)	2405.6	33.8			G2/5000
FVH (80°-90°)	221.0	3.1			G2/225
BL (0°-30°)	317.5	4.5	B1/500		
BM (30°-60°)	898.8	12.6	B1/1000		
BH (60°-80°)	460.5	6.5	B1/500		G1/500
BVH (80°-90°)	47.9	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-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7
2.5°	732.8	727.9	728.3	715.8	716.1	711.2	708.5	704.3	697.3	699.8	688.3
5°	768.2	761.6	763.7	748.8	748.1	741.5	734.5	722.0	718.9	717.5	707.4
7.5°	791.5	790.1	789.1	781.5	780.8	773.1	766.5	752.9	747.7	741.5	728.6
10°	814.1	815.2	816.2	803.0	811.3	802.3	795.0	783.9	776.9	774.8	755.0
12.5°	825.6	826.6	832.2	828.4	833.2	838.1	830.8	819.3	812.4	812.4	789.4
15°	835.7	838.5	847.8	851.0	859.7	863.8	869.4	862.1	851.7	849.9	830.8
17.5°	852.7	851.3	859.7	873.6	883.7	891.6	907.3	905.2	904.5	900.0	886.1
20°	875.7	873.2	881.6	887.5	903.1	927.1	948.3	959.1	958.4	956.0	943.8
22.5°	900.7	898.3	898.6	903.1	924.3	960.5	993.2	1013.7	1014.0	1015.4	1026.5
25°	943.4	933.4	930.2	934.1	959.4	1003.6	1045.6	1079.4	1086.0	1094.0	1129.4
27.5°	1047.0	1051.9	1009.5	982.0	1003.2	1057.5	1106.8	1156.5	1167.0	1190.9	1261.9
30°	1208.0	1200.0	1178.4	1118.6	1070.3	1118.6	1188.2	1249.7	1269.5	1330.7	1394.7
32.5°	1329.7	1330.0	1319.6	1268.8	1202.1	1190.3	1268.8	1370.7	1410.0	1523.6	1581.0
35°	1453.1	1447.8	1456.9	1408.9	1349.8	1307.8	1356.8	1491.3	1581.3	1749.6	1780.5
37.5°	1568.8	1570.6	1572.6	1526.4	1498.2	1483.6	1478.1	1647.4	1776.7	1959.5	1979.0
40°	1654.7	1664.1	1670.7	1645.3	1635.2	1635.9	1611.9	1832.7	2011.7	2191.8	2169.5
42.5°	1723.2	1733.9	1781.9	1747.8	1762.4	1791.6	1787.5	1979.4	2202.2	2369.7	2344.0
45°	1780.5	1780.9	1814.2	1827.8	1879.9	1935.2	1939.7	2135.8	2360.0	2530.3	2481.0
47.5°	1820.1	1813.2	1839.3	1894.5	1990.5	2055.5	2098.6	2312.7	2523.0	2674.2	2621.1
50°	1832.3	1842.0	1885.5	1955.7	2083.6	2186.2	2276.9	2536.9	2681.9	2815.0	2734.7
52.5°	1854.9	1859.1	1919.9	2011.7	2178.2	2314.8	2405.2	2768.5	2877.3	2959.3	2873.8
55°	1874.0	1885.8	1943.9	2041.2	2238.0	2419.1	2541.1	2979.5	3102.2	3118.2	3019.4
57.5°	1805.5	1817.0	1920.3	2049.6	2287.7	2503.2	2690.2	3184.6	3337.2	3310.0	3146.7
60°	1679.0	1692.2	1816.0	2026.6	2295.7	2597.1	2885.6	3457.1	3585.4	3552.7	3289.9
62.5°	1564.3	1565.0	1698.8	1928.3	2257.8	2661.4	3123.0	3809.6	3906.2	3848.9	3448.7
65°	1413.1	1411.7	1532.7	1770.1	2150.7	2641.6	3308.3	4239.9	4367.9	4205.2	3600.7
67.5°	1208.7	1204.5	1326.9	1546.9	1951.9	2539.7	3465.4	4532.6	4598.7	4465.2	3722.0
70°	955.6	951.1	1054.7	1273.0	1674.8	2307.2	3564.5	4657.8	4696.7	4557.3	3760.2
72.5°	670.2	667.4	729.3	902.1	1281.3	1941.1	3543.3	4595.2	4619.9	4461.0	3647.9
75°	396.6	395.6	453.3	552.0	757.5	1446.5	3303.8	4365.8	4395.3	4251.1	3372.3
77.5°	153.0	141.8	221.4	268.7	430.7	677.5	2527.2	3953.8	4022.3	3886.8	2971.1
80°	50.1	51.8	155.4	189.8	249.9	303.5	1352.2	3208.9	3371.2	3284.3	2250.5
82.5°	36.5	37.5	96.6	128.3	165.5	205.8	511.7	1744.4	1915.4	1885.8	1104.7
85°	24.0	24.0	33.0	45.5	61.9	82.4	143.6	885.4	1085.3	1052.9	478.7
87.5°	12.9	13.2	19.1	27.5	37.2	43.5	45.9	181.1	247.2	215.2	95.6
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°	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7
2.5°	684.8	691.8	686.6	682.4	675.4	671.6	672.6	669.2	666.0	674.0	670.2
5°	703.9	708.5	694.9	686.9	675.8	666.4	665.7	658.0	654.2	657.4	658.7
7.5°	720.3	723.7	705.7	691.4	680.3	669.2	661.5	648.3	643.1	648.7	650.7
10°	748.4	744.3	722.4	706.4	690.0	676.5	663.6	651.1	641.7	642.1	642.8
12.5°	780.4	768.9	749.5	726.9	709.1	695.6	677.9	656.7	641.7	641.4	643.8
15°	824.9	811.0	794.0	767.2	747.4	727.9	699.4	662.6	638.9	630.6	627.1
17.5°	880.5	862.1	856.2	825.3	792.6	755.4	709.8	665.0	623.3	607.6	608.3
20°	947.3	941.4	933.7	883.0	836.0	773.5	714.7	653.9	597.9	570.4	567.7
22.5°	1041.1	1038.3	1002.2	932.7	860.7	785.3	710.5	630.2	562.8	528.7	521.8
25°	1149.6	1127.0	1059.9	974.7	880.2	788.4	693.9	595.8	521.4	479.0	476.9
27.5°	1257.3	1217.4	1118.6	1001.1	881.9	776.2	658.7	548.9	480.4	440.8	435.6
30°	1382.8	1329.0	1178.1	1020.3	878.1	745.6	609.7	509.6	453.3	414.0	408.1
32.5°	1541.4	1449.9	1236.8	1029.0	852.4	704.6	557.6	492.6	433.5	388.3	381.3
35°	1731.2	1609.5	1316.4	1028.6	818.6	641.0	531.2	482.8	419.6	364.0	353.5
37.5°	1913.0	1788.2	1406.5	1024.4	764.8	574.6	512.7	467.2	410.2	359.1	353.2
40°	2080.5	1934.9	1515.6	1016.8	701.5	534.3	492.2	442.9	399.1	363.6	357.0
42.5°	2236.6	2073.2	1613.3	997.7	632.0	505.8	464.4	426.5	387.2	342.4	332.3
45°	2377.7	2190.0	1680.7	952.5	555.8	474.2	433.1	404.6	365.7	319.8	311.8
47.5°	2495.6	2296.4	1728.4	891.6	494.3	440.8	397.0	373.7	339.3	297.2	286.8
50°	2598.8	2401.7	1760.7	788.1	440.4	406.7	361.2	335.8	304.9	275.0	267.7
52.5°	2699.6	2508.4	1798.2	649.7	389.7	367.1	320.2	292.0	268.7	254.8	249.9
55°	2832.8	2644.4	1798.2	476.2	343.1	335.5	284.7	247.5	231.2	221.4	223.9
57.5°	2953.0	2727.8	1722.5	354.6	313.6	302.8	246.1	209.6	192.2	194.7	202.0
60°	3086.2	2807.4	1511.1	293.4	288.5	257.9	210.0	184.2	175.2	166.5	165.5
62.5°	3177.6	2818.9	1239.6	259.0	263.5	227.7	196.4	169.6	159.6	147.0	144.3
65°	3279.8	2757.3	932.7	243.0	241.2	216.2	193.6	167.6	153.6	133.1	129.7
67.5°	3242.3	2575.5	662.2	224.9	225.6	217.6	198.1	167.2	150.5	128.3	125.8
70°	3079.2	2281.1	415.1	216.6	222.5	220.4	206.1	175.9	149.5	116.5	113.0
72.5°	2849.4	1902.2	232.2	200.9	220.7	222.1	215.9	183.9	137.0	95.2	93.2
75°	2472.6	1451.7	166.2	186.0	212.4	221.8	211.7	176.9	125.5	89.7	86.9
77.5°	1933.1	851.0	146.3	171.4	196.8	198.1	210.0	183.9	130.4	91.1	87.9
80°	1045.3	352.1	123.1	150.9	161.6	187.4	203.7	171.7	120.6	73.3	68.8
82.5°	424.1	99.4	71.6	95.9	131.1	154.7	181.5	151.9	110.5	61.2	57.7
85°	108.5	34.1	33.4	49.0	78.6	115.8	147.4	130.0	90.0	27.1	1.7
87.5°	13.6	11.1	13.2	27.1	51.1	83.1	108.1	93.9	64.0	0.3	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)