

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: P286970

Luminaire Tested: **PRV-C15-D-UNV-T4-BZ-7030**

Issue Date: 3/4/2019

**Test Information**

Test Method: LM-79-08  
Report Number: P286970  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1810-004-8)  
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-T4-BZ-7030  
Description: PREVAIL AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K LED AND TYPE IV OPTIC, BRONZE PAINTED FINISH  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6959 lumens  
Efficiency: N/A  
Efficacy: 133.8 lumens/watt  
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

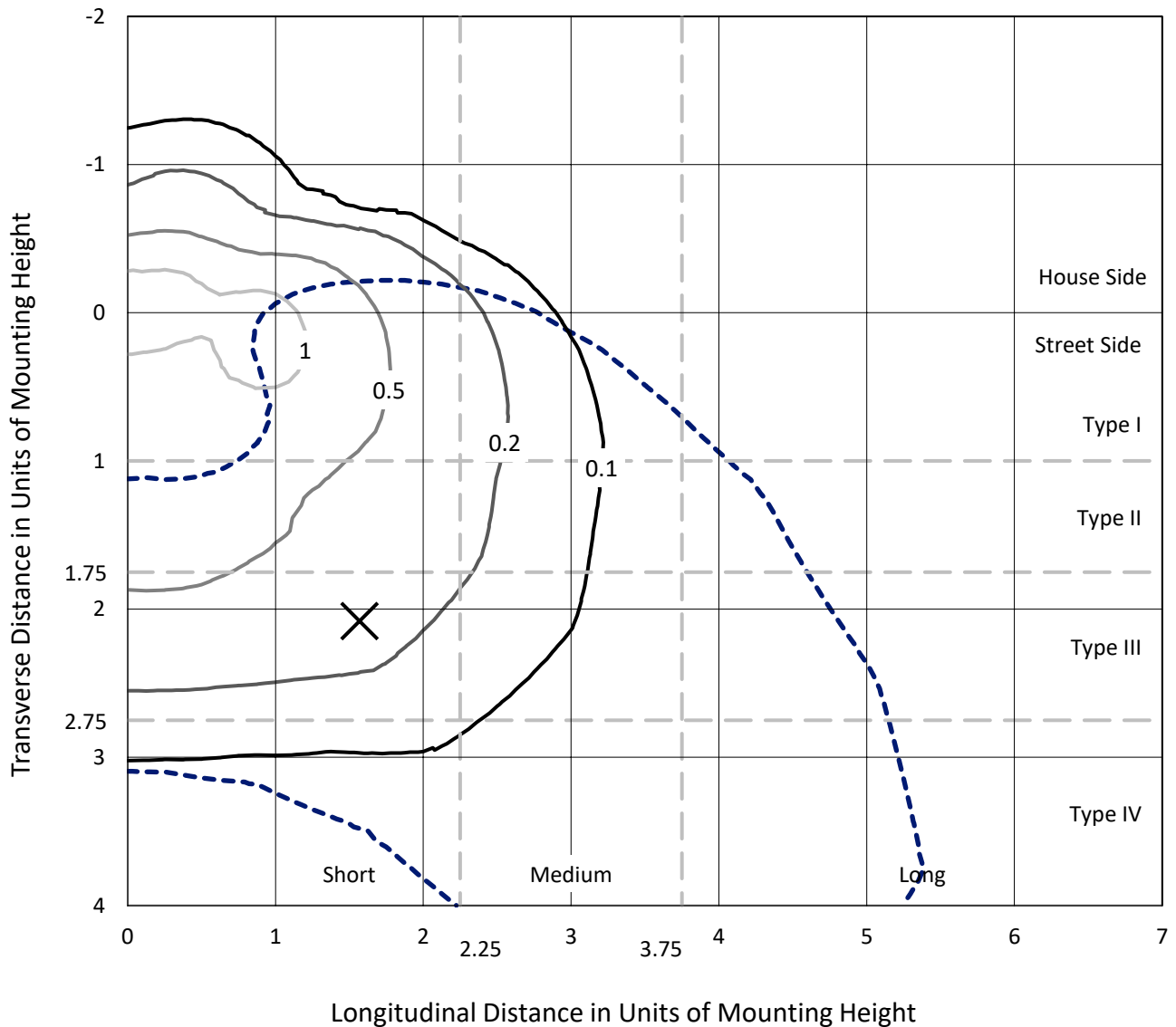
Input Watts (W): 52  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

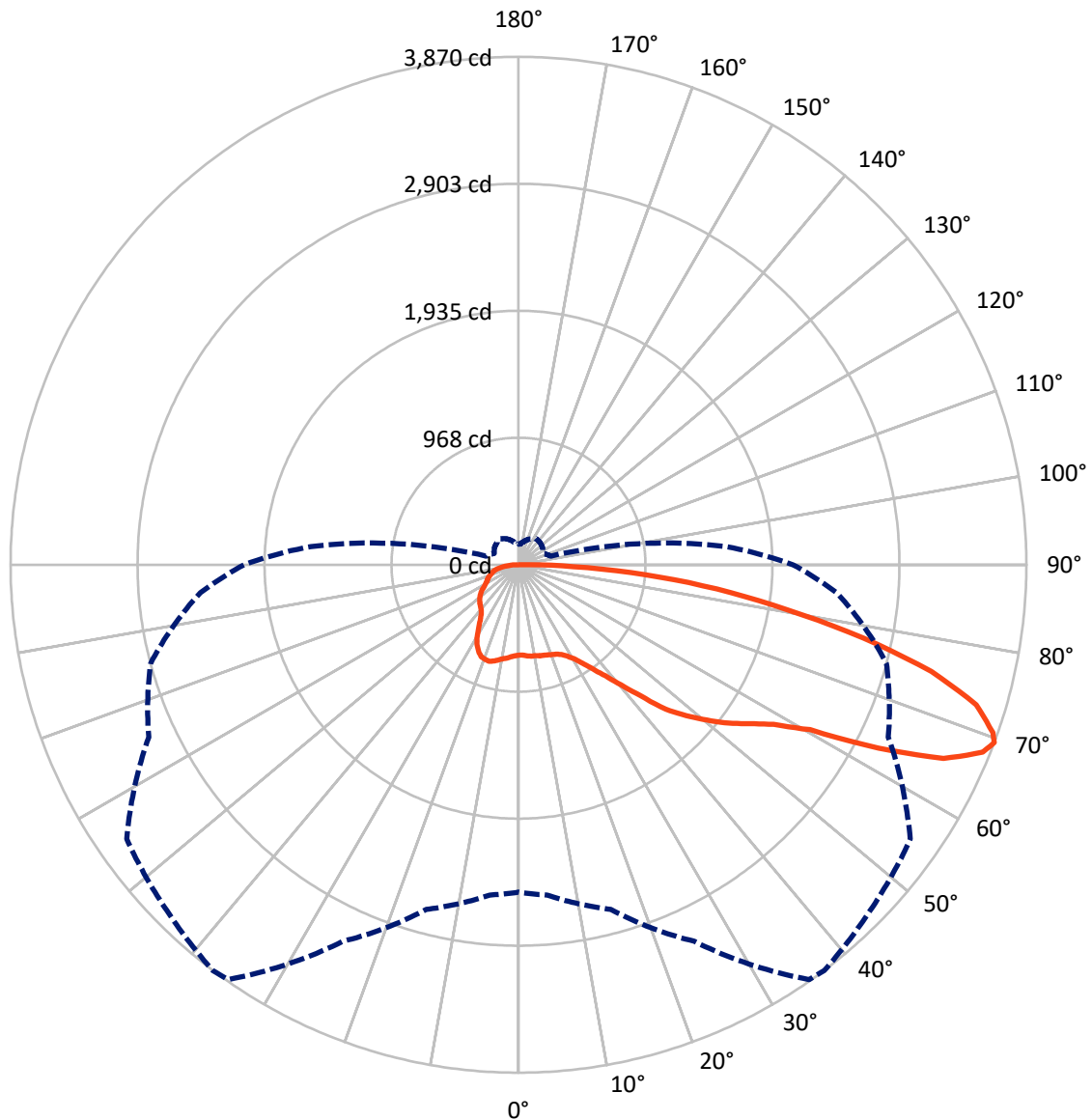
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 37-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical



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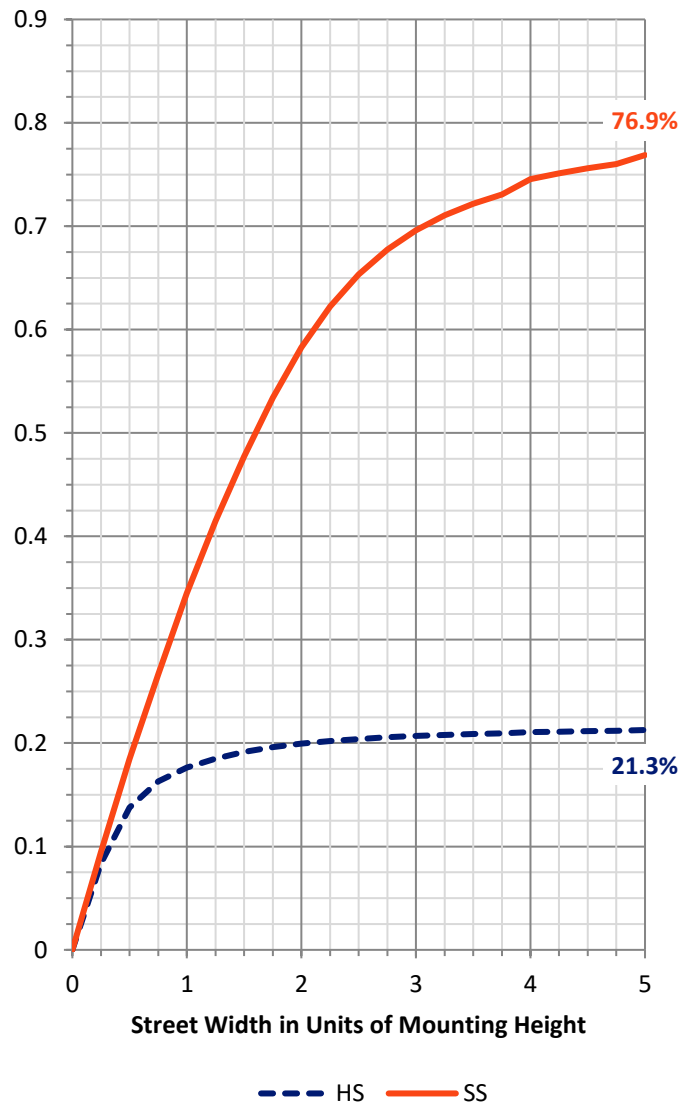
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1500.6	0.0	1500.6
	% Fixture	21.6	0.0	21.6
<b>Street Side</b>	Lumens	5458.4	0.0	5458.4
	% Fixture	78.4	0.0	78.4
<b>Total</b>	Lumens	6959.0	0.0	6959.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.3	1.0
10°-20°	210.3	3.0
20°-30°	359.3	5.2
30°-40°	569.5	8.2
40°-50°	967.8	13.9
50°-60°	1372.1	19.7
60°-70°	1746.1	25.1
70°-80°	1340.0	19.3
80°-90°	326.6	4.7
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°	6959.0	100.0
0°-180°	6959.0	100.0

**Coefficient of Utilization**



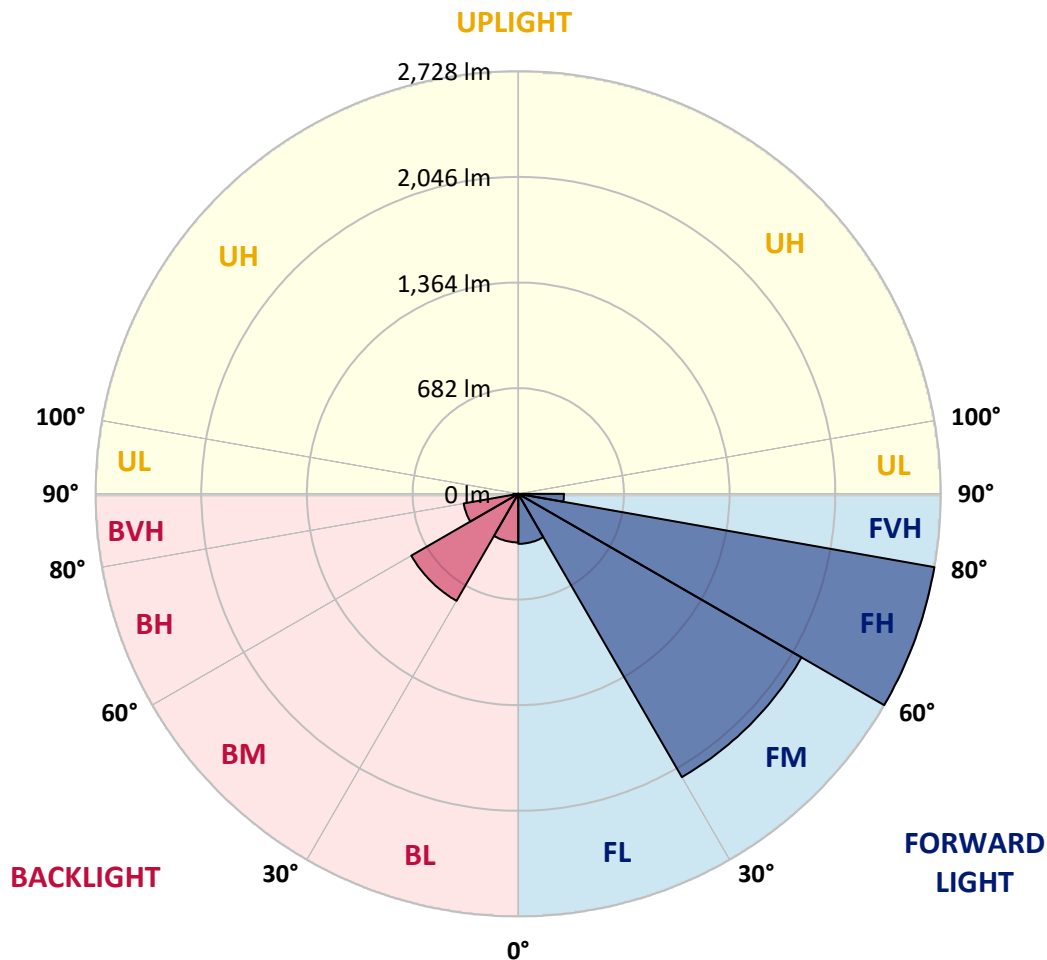
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	323.0	4.6			
FM (30°-60°)	2111.9	30.3			
FH (60°-80°)	2728.2	39.2			G2/5000
FVH (80°-90°)	295.2	4.2			G3/500
BL (0°-30°)	313.8	4.5	B1/500		
BM (30°-60°)	797.5	11.5	B1/1000		
BH (60°-80°)	357.9	5.1	B1/500		G1/500
BVH (80°-90°)	31.4	0.5			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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1
2.5°	702.4	698.7	698.7	690.8	690.8	690.1	691.9	687.8	687.1	686.4	684.0
5°	711.3	709.9	705.2	699.4	702.1	698.3	698.3	692.9	693.2	692.5	688.8
7.5°	709.3	711.6	711.3	704.5	702.4	703.5	703.8	704.1	700.7	700.4	697.7
10°	715.7	713.4	714.4	703.8	706.5	704.1	707.9	707.6	707.6	707.6	704.5
12.5°	702.1	704.8	705.8	707.6	712.7	712.7	718.8	721.2	726.3	729.7	725.6
15°	698.3	695.9	705.8	704.8	716.8	715.7	725.6	739.0	743.4	752.6	755.0
17.5°	696.3	701.1	708.6	708.2	719.8	722.2	735.9	750.9	763.5	778.9	784.3
20°	702.1	702.1	709.9	713.4	731.1	731.1	745.4	764.2	784.0	806.5	818.1
22.5°	720.5	721.2	728.4	724.6	735.9	740.0	752.3	773.4	804.1	828.7	852.6
25°	731.1	735.2	743.7	742.7	753.6	756.7	771.4	798.7	831.8	864.2	904.2
27.5°	755.7	756.0	762.8	760.8	786.7	788.1	801.4	822.2	870.4	907.6	963.5
30°	791.2	793.2	797.7	803.8	830.8	829.4	838.3	865.9	912.3	962.5	1038.6
32.5°	868.3	863.9	858.4	859.4	886.1	893.6	910.6	943.4	1000.7	1061.5	1143.8
35°	999.7	997.0	977.2	954.0	963.2	972.1	1000.1	1062.9	1151.3	1293.9	1367.3
37.5°	1171.4	1179.6	1142.4	1092.9	1072.8	1074.8	1100.8	1185.7	1330.1	1599.8	1646.2
40°	1388.8	1376.5	1330.8	1264.6	1213.7	1203.1	1211.3	1320.2	1530.1	1869.4	1878.3
42.5°	1547.5	1549.2	1497.4	1449.2	1382.7	1362.9	1349.2	1452.3	1737.0	2077.3	2045.9
45°	1731.5	1744.8	1688.2	1638.7	1591.9	1571.4	1550.9	1614.1	1951.0	2242.5	2188.5
47.5°	1887.5	1889.9	1816.8	1780.0	1728.1	1718.9	1699.1	1759.8	2125.0	2372.2	2298.4
50°	2032.2	2057.1	1962.2	1909.7	1866.3	1860.5	1867.7	1925.0	2294.7	2484.5	2387.2
52.5°	2280.7	2242.5	2131.5	2032.5	2005.6	2005.9	2004.6	2098.1	2470.1	2579.0	2460.2
55°	2509.7	2435.3	2312.8	2201.5	2135.6	2136.3	2147.9	2262.3	2615.5	2670.1	2510.1
57.5°	2653.1	2694.0	2581.7	2414.8	2290.2	2292.3	2292.0	2415.9	2740.4	2750.3	2548.6
60°	2862.3	2911.1	2881.7	2756.5	2589.2	2552.4	2459.2	2589.2	2868.8	2827.1	2589.6
62.5°	3015.2	3051.4	3133.0	3063.0	3072.5	3076.3	2783.4	2786.9	2960.6	2890.6	2598.5
65°	3015.5	3014.9	3204.3	3291.7	3519.3	3558.9	3435.7	3059.9	3047.6	2900.9	2564.3
67.5°	2727.5	2745.2	2944.6	3269.1	3784.2	3813.9	3735.0	3491.7	3092.7	2912.5	2509.0
69°	2494.7	2526.1	2718.9	3165.4	3859.3	3870.2	3763.7	3643.9	3109.1	2902.6	2431.9
70°	2340.8	2342.1	2538.7	3037.4	3821.4	3833.7	3761.7	3669.9	3095.1	2874.6	2371.1
72.5°	1847.2	1866.7	2040.7	2580.4	3635.4	3647.3	3622.4	3601.6	3074.9	2750.7	2039.4
75°	1350.6	1363.6	1522.6	2021.3	3179.0	3251.1	3360.3	3477.0	2865.4	2365.3	1535.2
77.5°	947.2	964.2	1128.1	1534.2	2589.2	2688.2	2934.3	3043.5	2427.8	1852.7	856.0
80°	632.5	653.6	802.4	1142.7	1971.1	2072.1	2356.8	2403.9	1857.1	1111.3	169.6
82.5°	402.4	407.9	526.3	807.6	1466.0	1524.0	1627.1	1528.4	984.4	253.3	50.2
85°	234.8	244.7	318.4	506.9	903.8	970.0	1015.1	758.4	237.9	34.1	27.0
87.5°	88.4	92.5	129.0	219.1	422.9	416.4	404.1	256.0	42.7	15.7	12.3
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°	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1	689.1
2.5°	683.7	689.8	686.7	685.4	684.7	688.1	694.6	692.9	691.9	703.1	704.1
5°	688.8	697.3	697.0	698.3	696.3	700.4	703.5	704.5	705.5	717.5	719.2
7.5°	698.3	702.1	703.5	708.9	705.8	712.3	717.8	712.3	717.5	726.0	727.7
10°	706.9	712.7	713.0	721.5	718.5	724.6	726.0	726.0	730.1	740.0	738.3
12.5°	727.3	727.7	739.6	740.3	744.4	744.1	741.3	733.5	729.7	743.0	744.1
15°	757.0	760.8	776.2	775.1	770.0	767.3	755.7	736.2	725.0	722.9	722.9
17.5°	792.9	793.9	813.7	809.6	801.4	783.7	764.6	730.1	698.3	688.1	682.0
20°	822.2	830.8	855.0	841.0	826.7	798.0	756.0	708.6	659.4	634.5	628.0
22.5°	862.2	878.9	892.9	872.4	842.4	800.7	745.4	677.2	612.7	573.8	566.9
25°	918.8	928.4	927.7	892.2	844.8	792.2	715.1	632.8	554.0	511.3	498.7
27.5°	977.2	984.0	955.3	907.2	836.6	768.0	675.5	574.8	494.6	456.3	446.8
30°	1043.4	1036.6	976.9	900.7	815.1	725.3	619.8	511.0	443.0	409.2	404.1
32.5°	1145.5	1110.3	996.0	885.7	776.2	666.6	551.9	465.2	409.6	370.0	363.2
35°	1322.6	1248.2	1030.1	872.4	729.1	600.7	493.5	433.5	379.9	333.1	324.3
37.5°	1551.6	1433.2	1094.3	849.5	673.4	536.6	456.3	406.9	357.4	305.5	295.6
40°	1776.2	1626.7	1180.6	826.7	620.9	492.9	435.2	396.3	348.5	295.2	284.7
42.5°	1940.1	1781.7	1274.8	804.8	570.0	458.7	424.6	393.2	348.8	296.9	287.0
45°	2063.6	1904.6	1370.4	774.8	510.6	432.5	414.7	390.1	348.5	298.7	286.4
47.5°	2172.5	1985.1	1436.3	735.2	454.3	412.0	402.8	378.5	340.0	291.5	280.9
50°	2249.3	2061.6	1479.3	700.7	410.9	393.9	386.0	359.7	319.8	277.5	265.2
52.5°	2303.6	2111.1	1484.4	692.2	378.2	378.2	365.9	338.6	300.0	257.4	245.4
55°	2360.6	2139.4	1462.2	660.5	343.7	352.2	344.4	324.3	287.0	243.4	235.9
57.5°	2358.2	2125.0	1417.8	530.7	305.1	314.0	317.1	311.6	282.3	246.8	239.6
60°	2373.9	2110.4	1344.1	369.0	268.6	282.3	295.2	295.2	267.3	225.3	217.8
62.5°	2365.7	2076.6	1186.8	260.1	239.6	261.4	277.8	265.2	237.9	202.4	197.6
65°	2312.4	1980.3	890.2	220.8	229.4	249.5	264.5	245.1	217.1	182.9	179.5
67.5°	2215.2	1803.2	473.4	206.5	224.9	241.3	249.5	228.3	200.7	166.2	162.5
69°	2091.3	1588.8	253.9	204.4	224.2	234.5	240.3	218.4	188.4	158.0	158.0
70°	1962.9	1419.2	164.2	205.5	221.5	230.4	233.8	211.6	181.2	149.5	148.1
72.5°	1538.0	912.7	137.2	195.2	213.3	217.4	217.1	193.5	159.1	113.7	115.7
75°	933.5	278.5	131.1	178.5	199.7	208.2	202.7	162.5	123.9	95.2	95.2
77.5°	253.9	97.6	124.2	162.8	182.3	184.7	182.9	151.2	110.6	78.8	79.5
80°	75.8	75.8	115.7	135.8	154.6	165.5	157.0	132.8	88.7	41.6	43.0
82.5°	43.7	49.1	96.9	95.6	124.9	124.6	124.6	94.9	60.1	27.3	22.2
85°	23.2	34.8	52.6	55.0	58.7	66.2	89.8	81.9	45.4	12.3	2.7
87.5°	13.3	19.8	14.3	10.2	21.5	39.3	58.0	55.6	37.9	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)