

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: P286957

Luminaire Tested: **PRV-C60-D-UNV-T3-BZ-7030**

Issue Date: 3/4/2019

Test Information

Test Method: LM-79-08
Report Number: P286957
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-C60-D-UNV-T3-BZ-7030
Description: PREVAIL AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K LEDS AND TYPE III OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19686 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Rectangular (W 1.12' x L: 1.1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

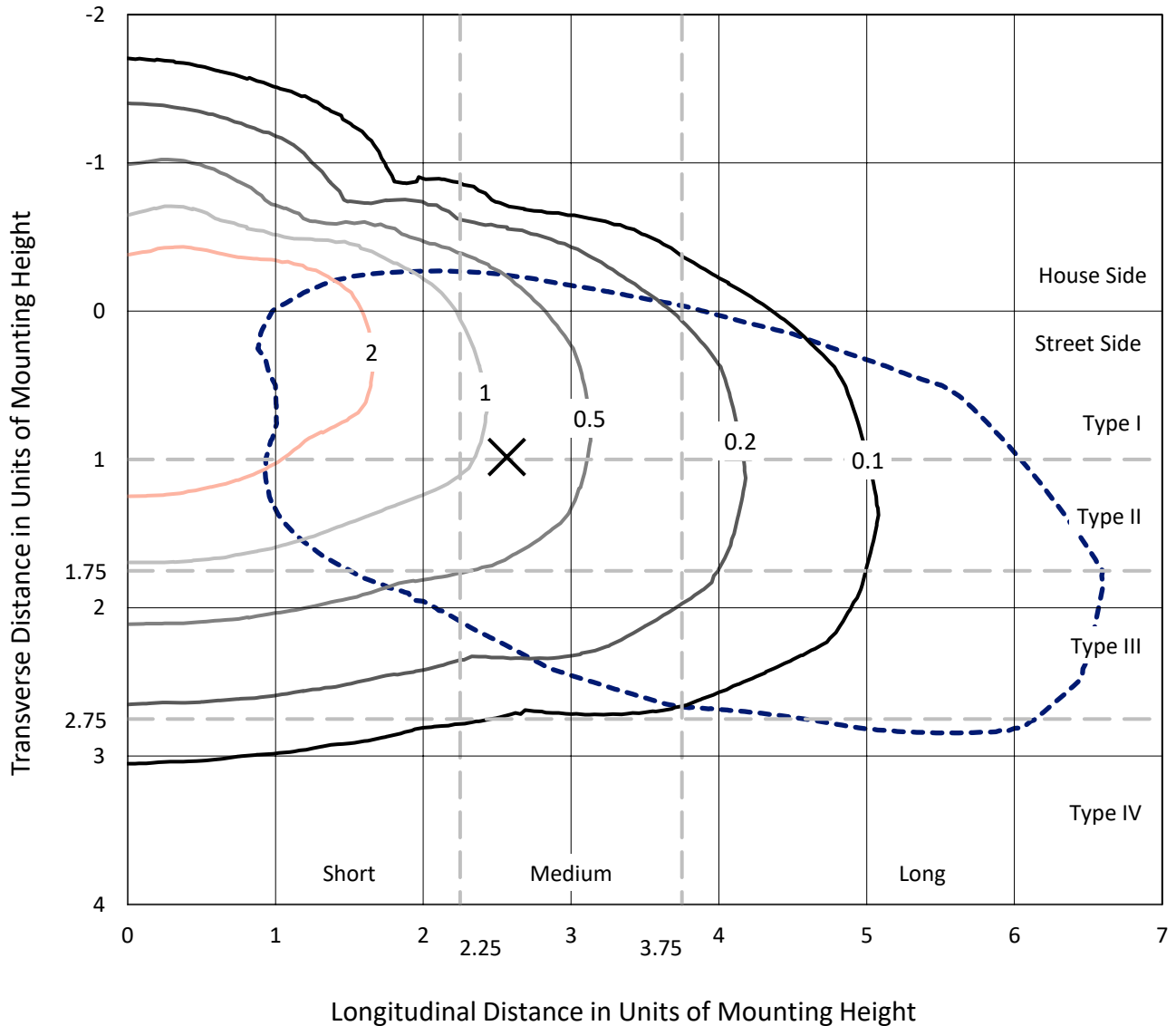
Input Watts (W): 153
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

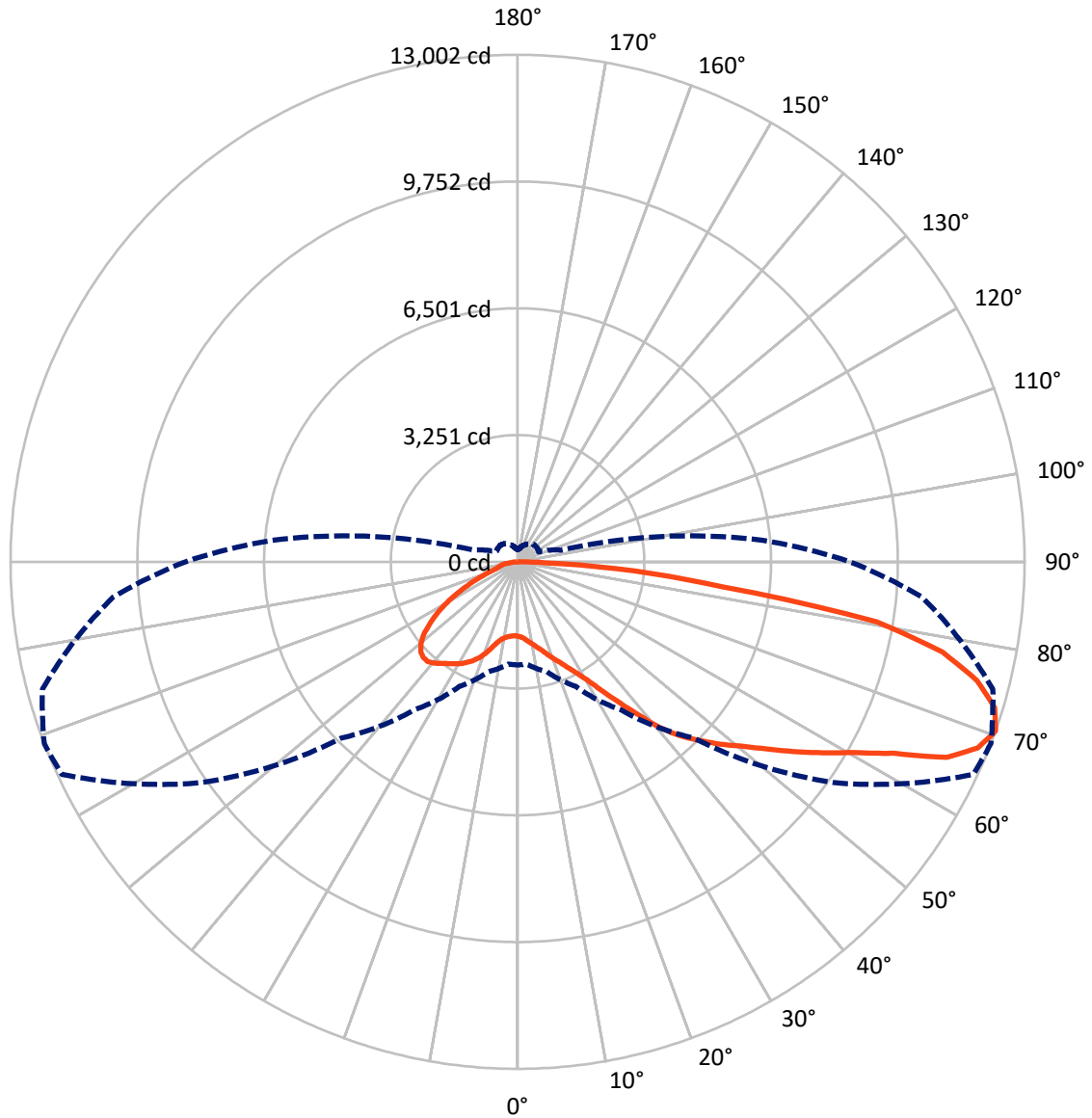
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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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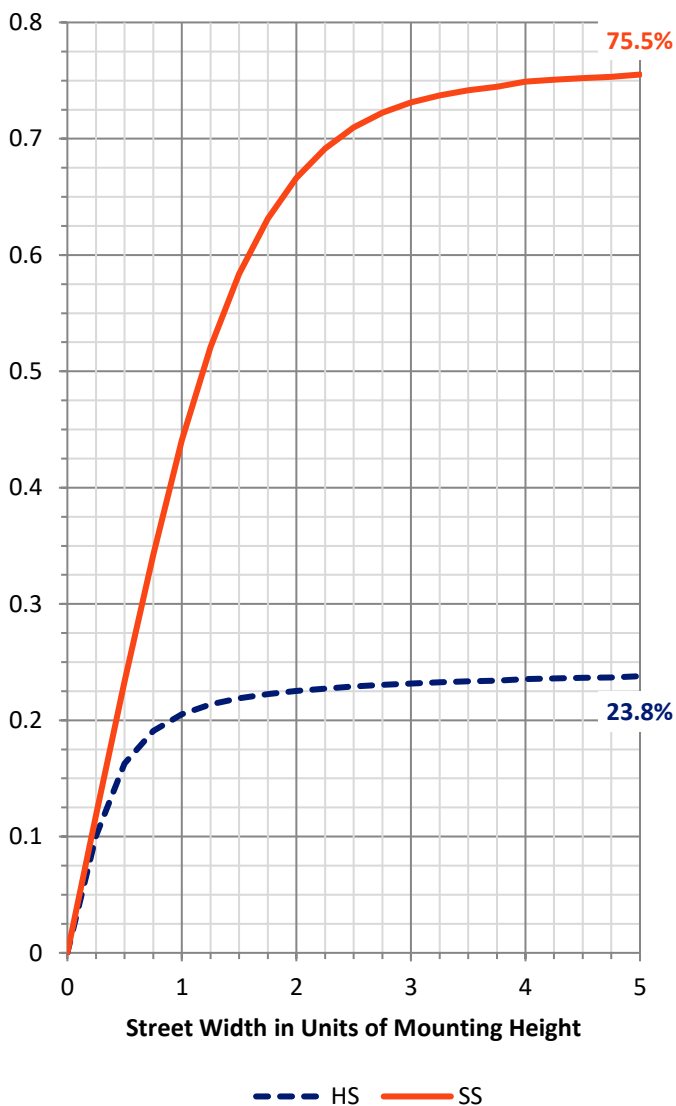
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4774.8	0.0	4774.8
	% Fixture	24.3	0.0	24.3
Street Side	Lumens	14911.2	0.0	14911.2
	% Fixture	75.7	0.0	75.7
Total	Lumens	19686.0	0.0	19686.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.4	1.0
10°-20°	622.5	3.2
20°-30°	1170.8	5.9
30°-40°	2004.3	10.2
40°-50°	3061.3	15.6
50°-60°	3958.9	20.1
60°-70°	4503.2	22.9
70°-80°	3431.3	17.4
80°-90°	744.4	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°	19686.0	100.0
0°-180°	19686.0	100.0

Coefficient of Utilization

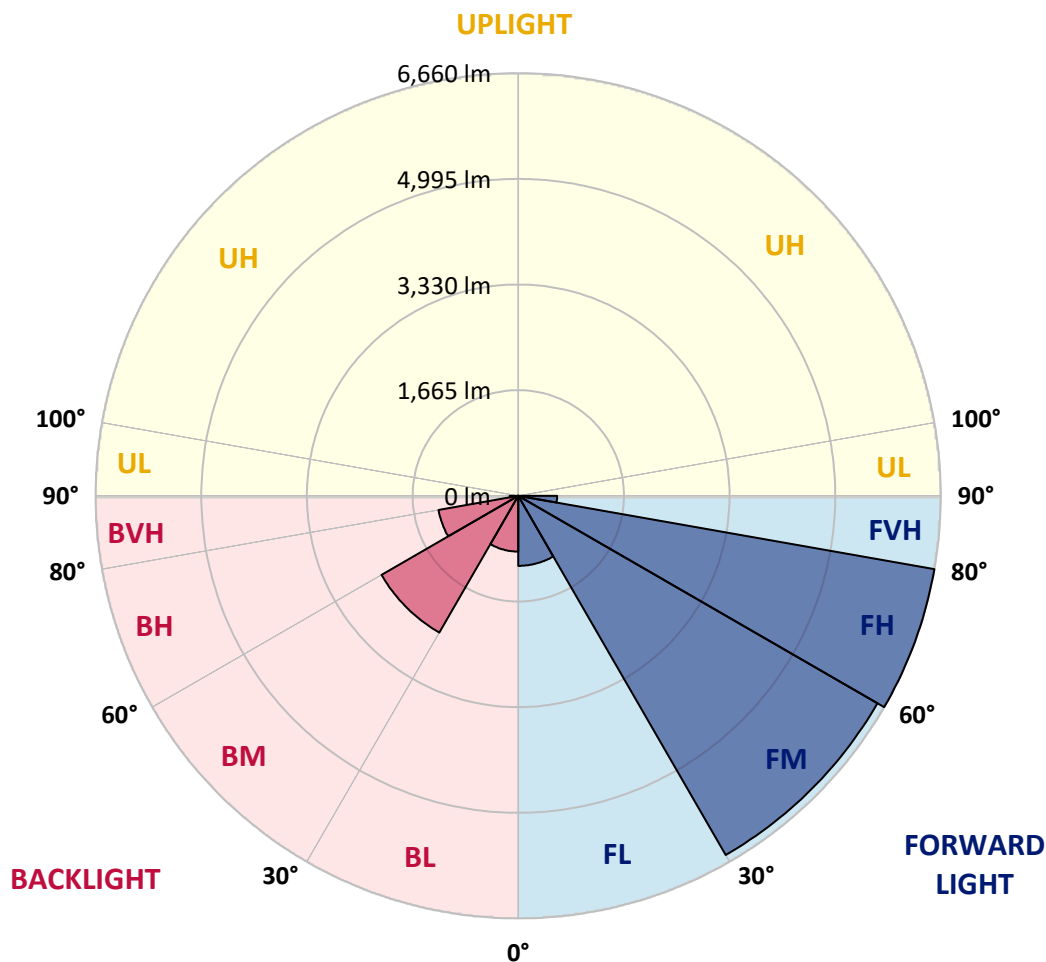


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1103.6	5.6			
FM	(30°-60°)	6536.3	33.2			
FH	(60°-80°)	6659.5	33.8			G3/7500
FVH	(80°-90°)	611.8	3.1			G4/750
BL	(0°-30°)	879.1	4.5	B2/1000		
BM	(30°-60°)	2488.2	12.6	B2/2500		
BH	(60°-80°)	1274.9	6.5	B3/2500		G3/2500
BVH	(80°-90°)	132.5	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	1912.2	1912.2	1912.2	1912.2	1912.2	1912.2	1912.2	1912.2	1912.2	1912.2	1912.2
2.5°	2028.6	2015.2	2016.1	1981.5	1982.4	1969.0	1961.3	1949.7	1930.5	1937.2	1905.5
5°	2126.8	2108.5	2114.3	2072.9	2071.0	2052.7	2033.4	1998.8	1990.1	1986.3	1958.4
7.5°	2191.3	2187.4	2184.5	2163.4	2161.4	2140.3	2122.0	2084.4	2070.0	2052.7	2017.1
10°	2253.8	2256.7	2259.6	2223.0	2246.1	2221.1	2200.9	2170.1	2150.9	2145.1	2090.2
12.5°	2285.6	2288.5	2303.9	2293.3	2306.8	2320.2	2300.0	2268.3	2249.0	2249.0	2185.5
15°	2313.5	2321.2	2347.2	2355.8	2379.9	2391.4	2406.8	2386.6	2357.8	2352.9	2300.0
17.5°	2360.6	2356.8	2379.9	2418.4	2446.3	2468.4	2511.7	2506.0	2504.0	2491.5	2453.0
20°	2424.2	2417.4	2440.5	2456.9	2500.2	2566.6	2625.3	2655.1	2653.2	2646.5	2612.8
22.5°	2493.4	2486.7	2487.7	2500.2	2558.9	2659.0	2749.4	2806.2	2807.2	2811.0	2841.8
25°	2611.8	2583.9	2575.2	2585.8	2656.1	2778.3	2894.7	2988.1	3006.4	3028.5	3126.7
27.5°	2898.6	2912.1	2794.7	2718.6	2777.3	2927.5	3064.1	3201.7	3230.6	3297.0	3493.3
30°	3344.2	3322.0	3262.4	3096.8	2963.1	3096.8	3289.3	3459.6	3514.5	3683.9	3860.9
32.5°	3681.0	3681.9	3653.1	3512.6	3327.8	3295.1	3512.6	3794.5	3903.3	4218.0	4376.8
35°	4022.6	4008.2	4033.2	3900.4	3736.8	3620.4	3756.1	4128.5	4377.7	4843.5	4929.2
37.5°	4343.1	4347.9	4353.7	4225.7	4147.7	4107.3	4091.9	4560.6	4918.6	5424.8	5478.7
40°	4580.8	4606.8	4625.1	4554.8	4526.9	4528.8	4462.4	5073.5	5569.1	6067.6	6006.0
42.5°	4770.4	4800.2	4933.0	4838.7	4879.1	4960.0	4948.4	5479.6	6096.5	6560.3	6489.1
45°	4929.2	4930.1	5022.5	5060.0	5204.4	5357.4	5369.9	5912.7	6533.4	7004.9	6868.3
47.5°	5038.9	5019.6	5091.8	5244.8	5510.4	5690.4	5809.7	6402.5	6984.7	7403.4	7256.1
50°	5072.5	5099.5	5219.8	5414.2	5768.3	6052.2	6303.4	7023.2	7424.5	7793.1	7570.8
52.5°	5135.1	5146.6	5315.1	5569.1	6030.1	6408.3	6658.5	7664.2	7965.4	8192.5	7955.7
55°	5188.0	5220.7	5381.5	5650.9	6195.6	6697.0	7034.8	8248.3	8588.0	8632.3	8359.0
57.5°	4998.4	5030.2	5316.0	5674.0	6333.2	6929.9	7447.6	8816.1	9238.6	9163.5	8711.2
60°	4648.1	4684.7	5027.3	5610.5	6355.4	7189.7	7988.5	9570.6	9925.7	9835.2	9107.7
62.5°	4330.6	4332.5	4703.0	5338.2	6250.5	7367.7	8645.7	10546.4	10813.9	10655.1	9547.5
65°	3912.0	3908.1	4243.0	4900.3	5954.1	7312.9	9158.7	11737.8	12091.9	11641.5	9968.0
67.5°	3346.1	3334.5	3673.3	4282.5	5403.6	7030.9	9593.7	12548.1	12730.9	12361.4	10303.9
70°	2645.5	2633.0	2919.8	3524.1	4636.6	6387.1	9867.9	12894.5	13002.3	12616.4	10409.7
72.5°	1855.4	1847.7	2019.0	2497.3	3547.2	5373.8	9809.2	12721.3	12789.6	12349.8	10098.9
75°	1098.0	1095.2	1254.9	1528.2	2097.0	4004.3	9146.2	12086.1	12167.9	11768.6	9335.8
77.5°	423.4	392.6	613.0	743.9	1192.4	1875.6	6996.3	10945.8	11135.3	10760.0	8225.2
80°	138.6	143.4	430.2	525.4	691.9	840.1	3743.5	8883.4	9332.9	9092.3	6230.3
82.5°	101.0	103.9	267.5	355.1	458.1	569.7	1416.6	4829.1	5302.5	5220.7	3058.3
85°	66.4	66.4	91.4	126.1	171.3	228.1	397.5	2451.1	3004.5	2915.0	1325.2
87.5°	35.6	36.6	52.9	76.0	103.0	120.3	127.0	501.4	684.2	595.7	264.6
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°	1912.2	1912.2	1912.2	1912.2	1912.2	1912.2	1912.2	1912.2	1912.2	1912.2	1912.2
2.5°	1895.8	1915.1	1900.6	1889.1	1869.8	1859.3	1862.1	1852.5	1843.9	1866.0	1855.4
5°	1948.8	1961.3	1923.7	1901.6	1870.8	1844.8	1842.9	1821.7	1811.1	1819.8	1823.7
7.5°	1994.0	2003.6	1953.6	1914.1	1883.3	1852.5	1831.4	1794.8	1780.3	1795.7	1801.5
10°	2071.9	2060.4	1999.8	1955.5	1910.3	1872.7	1837.1	1802.5	1776.5	1777.5	1779.4
12.5°	2160.5	2128.7	2074.8	2012.3	1963.2	1925.7	1876.6	1817.9	1776.5	1775.5	1782.3
15°	2283.7	2245.2	2198.0	2123.9	2069.1	2015.2	1936.2	1834.2	1768.8	1745.7	1736.1
17.5°	2437.6	2386.6	2370.3	2284.6	2194.2	2091.2	1965.1	1841.0	1725.5	1682.2	1684.1
20°	2622.4	2606.0	2584.9	2444.4	2314.5	2141.2	1978.6	1810.2	1655.2	1579.2	1571.5
22.5°	2882.2	2874.5	2774.5	2582.0	2382.8	2173.9	1967.0	1744.7	1558.0	1463.7	1444.5
25°	3182.5	3119.9	2934.2	2698.4	2436.7	2182.6	1920.8	1649.5	1443.5	1326.1	1320.3
27.5°	3480.8	3370.1	3096.8	2771.6	2441.5	2148.9	1823.7	1519.6	1330.0	1220.3	1205.8
30°	3828.2	3679.1	3261.4	2824.5	2430.9	2064.2	1688.0	1410.8	1254.9	1146.2	1129.8
32.5°	4267.1	4014.0	3424.0	2848.6	2359.7	1950.7	1543.6	1363.6	1200.1	1074.9	1055.7
35°	4792.5	4455.7	3644.4	2847.6	2266.3	1774.6	1470.5	1336.7	1161.6	1007.6	978.7
37.5°	5295.8	4950.3	3893.7	2836.0	2117.2	1590.8	1419.5	1293.4	1135.6	994.1	977.7
40°	5759.7	5356.4	4195.8	2814.9	1942.0	1479.1	1362.7	1226.0	1104.8	1006.6	988.3
42.5°	6191.8	5739.5	4466.3	2761.9	1749.6	1400.2	1285.7	1180.8	1072.1	947.9	920.0
45°	6582.5	6062.8	4653.0	2636.8	1538.8	1312.6	1199.1	1120.2	1012.4	885.4	863.2
47.5°	6908.7	6357.3	4784.8	2468.4	1368.5	1220.3	1099.0	1034.5	939.3	822.8	793.9
50°	7194.5	6648.9	4874.3	2181.6	1219.3	1125.9	999.9	929.6	844.0	761.2	741.0
52.5°	7473.6	6944.3	4978.2	1798.6	1078.8	1016.2	886.3	808.4	743.9	705.4	691.9
55°	7842.2	7320.6	4978.2	1318.4	949.8	928.7	788.2	685.2	640.0	613.0	619.8
57.5°	8175.2	7551.6	4768.4	981.6	868.0	838.2	681.3	580.3	532.2	538.9	559.1
60°	8543.7	7771.9	4183.3	812.2	798.8	714.1	581.3	510.0	485.0	461.0	458.1
62.5°	8796.8	7803.7	3431.7	717.0	729.5	630.3	543.7	469.6	441.7	407.1	399.4
65°	9079.8	7633.4	2582.0	672.7	667.9	598.6	536.0	463.9	425.4	368.6	359.0
67.5°	8975.8	7130.0	1833.3	622.6	624.6	602.4	548.5	462.9	416.7	355.1	348.4
70°	8524.5	6314.9	1149.0	599.5	615.9	610.1	570.7	486.9	413.8	322.4	312.8
72.5°	7888.4	5266.0	642.8	556.2	611.1	614.9	597.6	509.1	379.2	263.7	257.9
75°	6845.2	4018.8	460.0	514.9	588.0	614.0	586.1	489.8	347.4	248.3	240.6
77.5°	5351.6	2355.8	405.1	474.4	544.7	548.5	581.3	509.1	360.9	252.1	243.5
80°	2893.8	974.9	340.7	417.7	447.5	518.7	563.9	475.4	333.9	203.1	190.5
82.5°	1174.1	275.2	198.2	265.6	362.8	428.2	502.3	420.5	306.0	169.4	159.8
85°	300.3	94.3	92.4	135.7	217.5	320.5	408.0	359.9	249.2	75.1	4.8
87.5°	37.5	30.8	36.6	75.1	141.5	230.0	299.3	259.8	177.1	1.0	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)