

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: McGRAW-EDISON

Report Number: P527486

Luminaire Tested: **GALN-SA2C-730-U-T2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527486
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2C-730-U-T2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10799.9 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

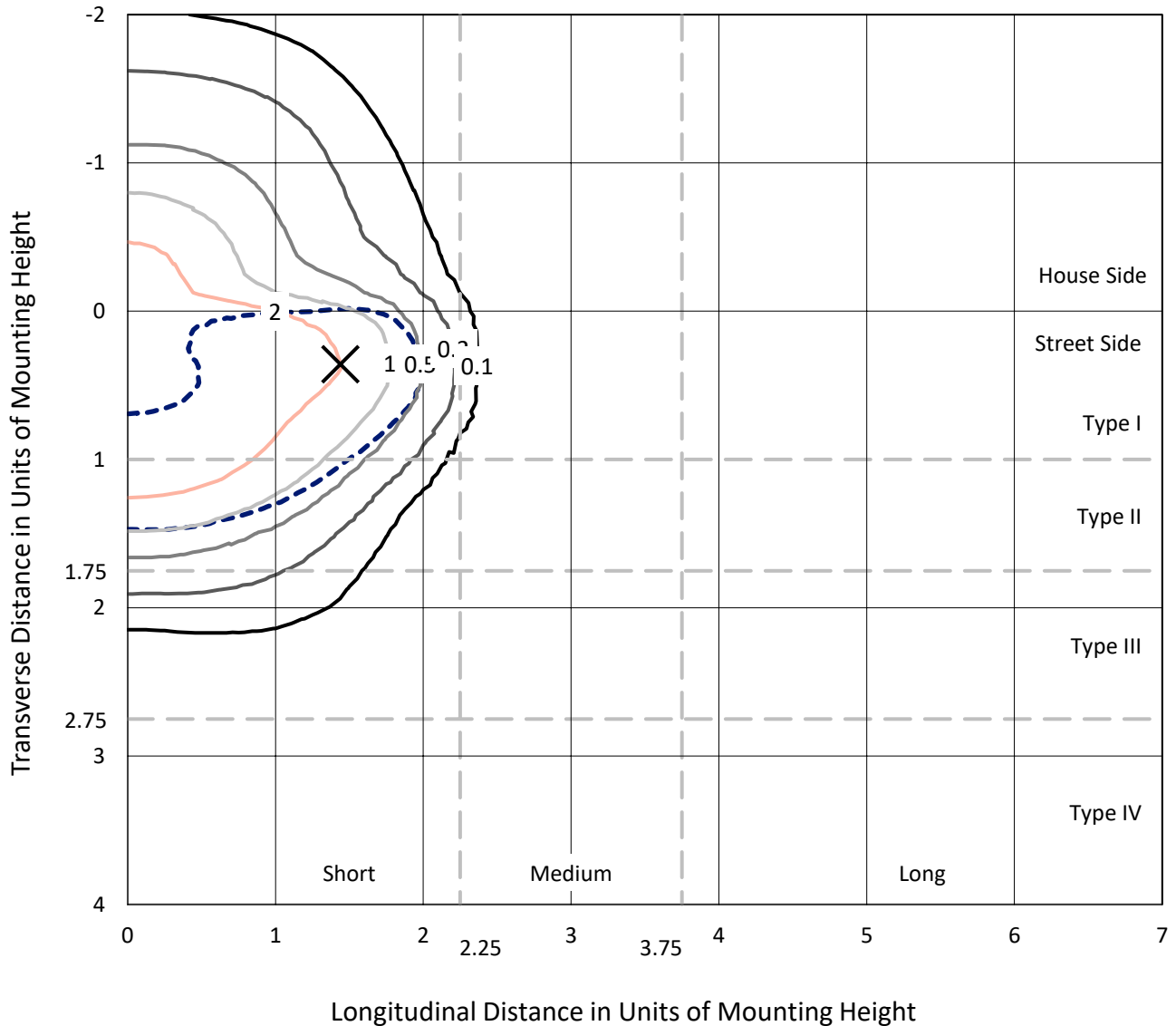
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

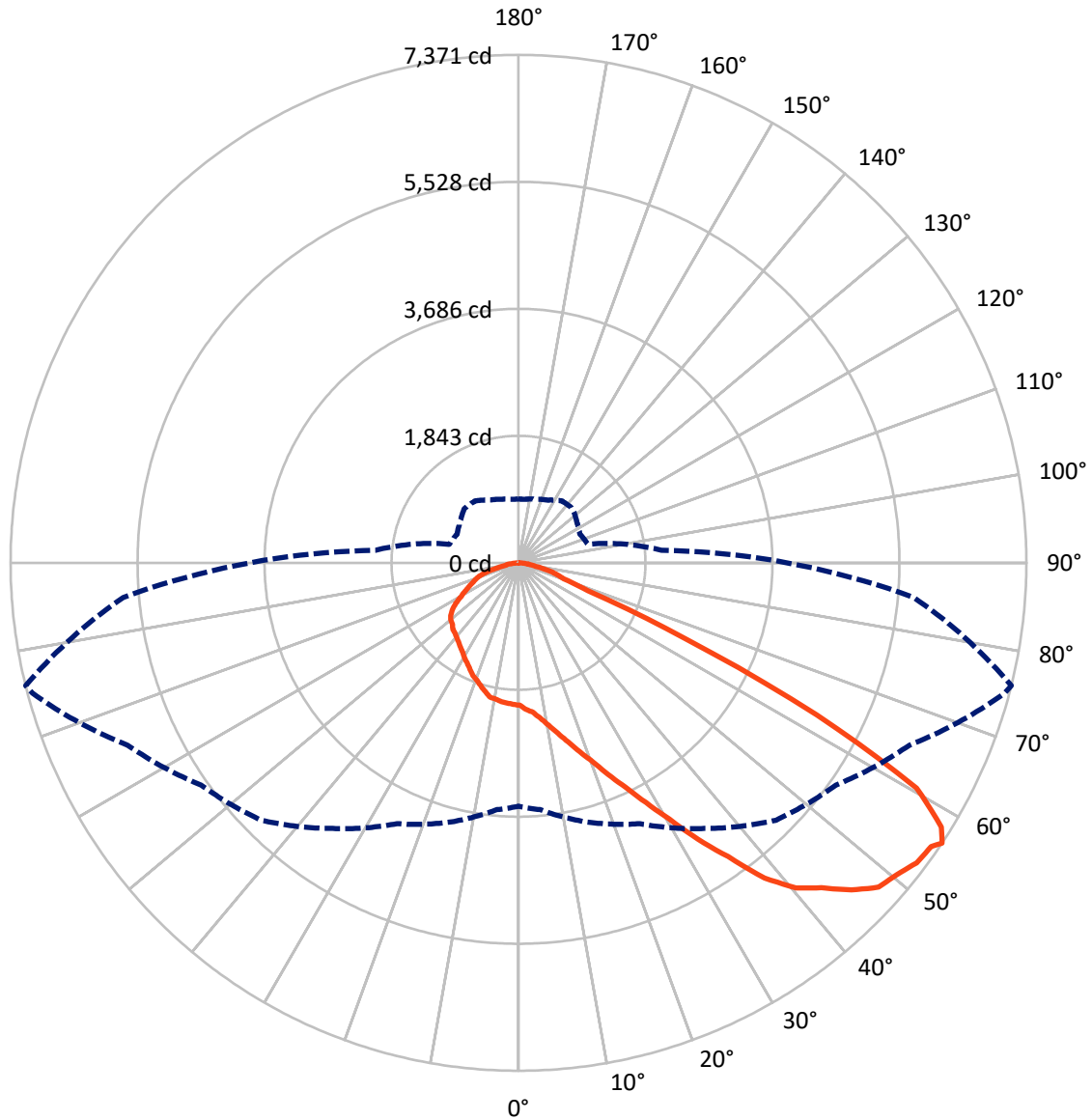
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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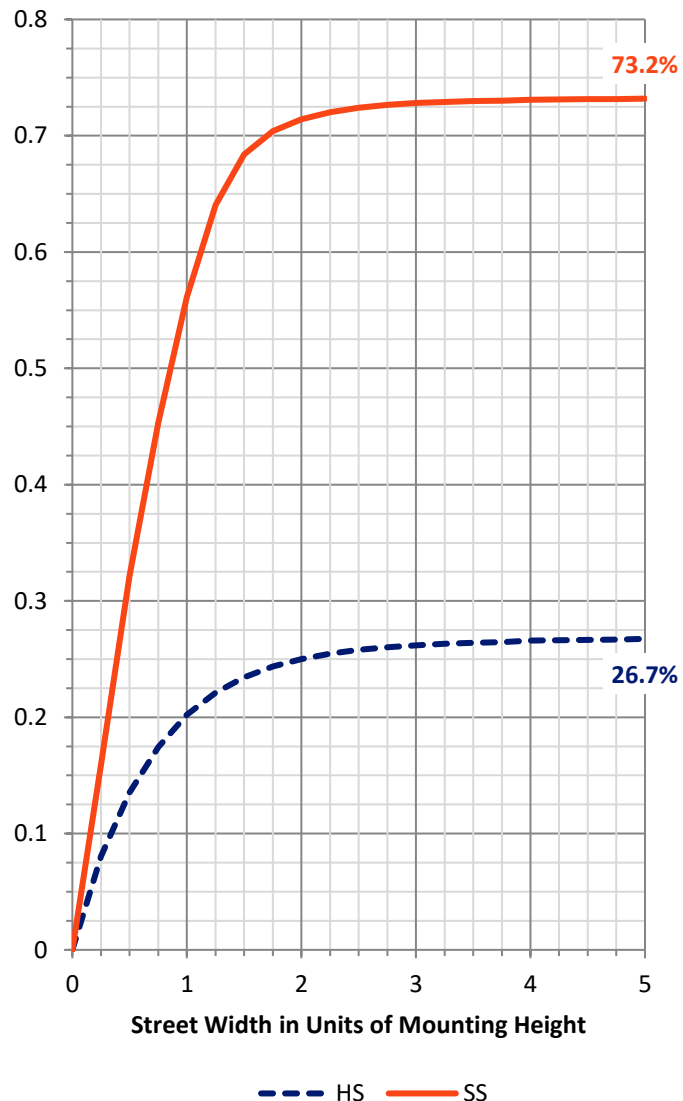
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2903.7	0.0	2903.7
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	7896.2	0.0	7896.2
	% Fixture	73.1	0.0	73.1
Total	Lumens	10799.9	0.0	10799.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.9	1.9
10°-20°	643.7	6.0
20°-30°	1125.8	10.4
30°-40°	1762.7	16.3
40°-50°	2564.2	23.7
50°-60°	2818.3	26.1
60°-70°	1257.9	11.6
70°-80°	363.3	3.4
80°-90°	58.9	0.5
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°	10799.9	100.0
0°-180°	10799.9	100.0

Coefficient of Utilization

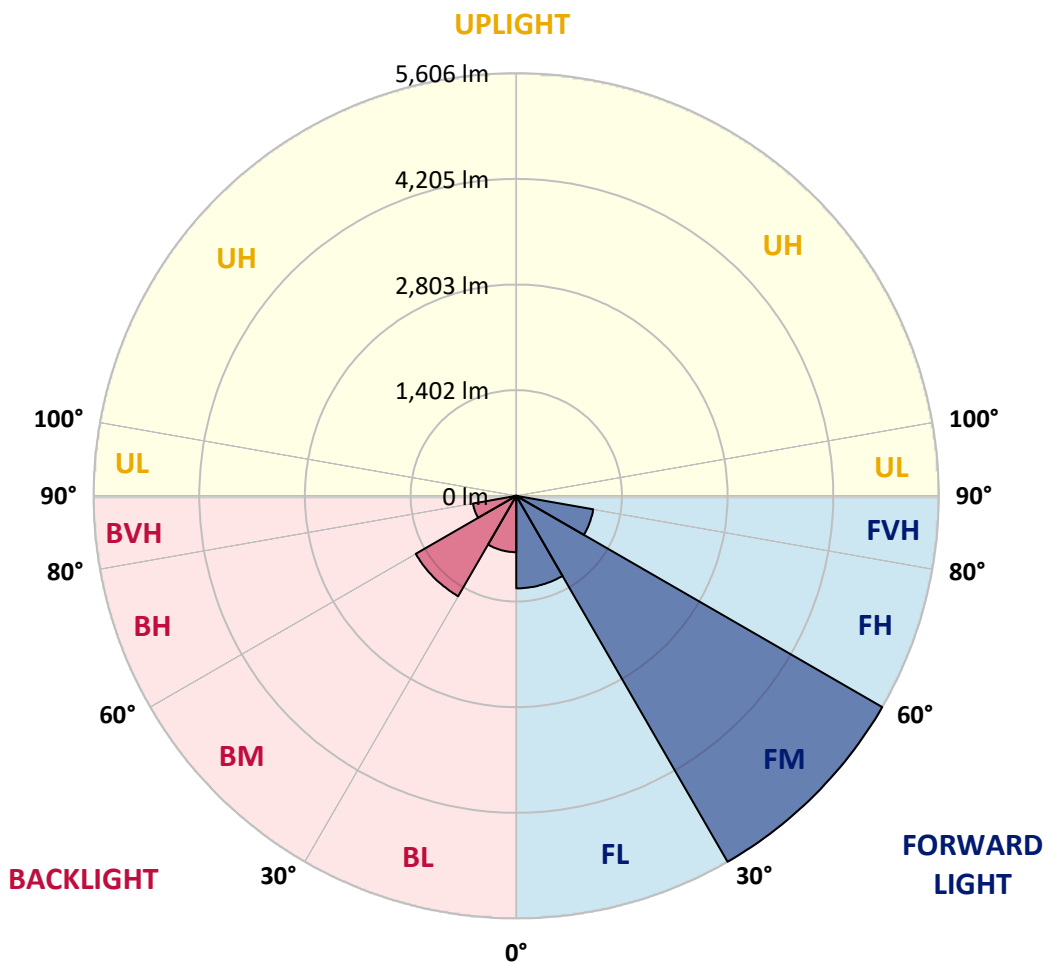


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1227.3	11.4			
FM (30°-60°)	5606.5	51.9			
FH (60°-80°)	1037.0	9.6			G1/1800
FVH (80°-90°)	25.4	0.2			G1/100
BL (0°-30°)	747.2	6.9	B2/1000		
BM (30°-60°)	1538.7	14.2	B2/2500		
BH (60°-80°)	584.2	5.4	B2/1000		G2/1000
BVH (80°-90°)	33.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2066.4	2066.4	2066.4	2066.4	2066.4	2066.4	2066.4	2066.4	2066.4	2066.4	2066.4
2.5°	2276.4	2240.0	2237.2	2227.4	2233.0	2207.8	2181.2	2146.2	2109.8	2132.2	2079.0
5°	2436.0	2387.0	2406.6	2373.0	2377.2	2343.6	2289.0	2248.4	2203.6	2177.0	2139.2
7.5°	2492.0	2496.2	2510.3	2504.7	2476.6	2476.6	2440.2	2368.8	2290.4	2275.0	2212.0
10°	2567.7	2569.1	2553.7	2557.9	2597.1	2578.9	2546.7	2515.9	2415.0	2396.8	2284.8
12.5°	2594.3	2569.1	2594.3	2616.7	2662.9	2688.1	2681.1	2658.7	2550.9	2538.3	2374.4
15°	2598.5	2583.1	2604.1	2654.5	2695.1	2801.5	2854.7	2839.3	2696.5	2697.9	2475.2
17.5°	2578.9	2599.9	2608.3	2651.7	2745.5	2844.9	2998.9	3019.9	2902.3	2884.1	2602.7
20°	2605.5	2590.1	2601.3	2640.5	2765.1	2920.5	3122.1	3260.7	3095.5	3082.9	2734.3
22.5°	2707.7	2686.7	2683.9	2709.1	2798.7	2959.7	3252.3	3501.5	3330.7	3337.7	2898.1
25°	2787.5	2798.7	2788.9	2787.5	2843.5	3018.5	3424.5	3788.5	3649.9	3609.3	3091.3
27.5°	2924.7	2951.3	2931.7	2958.3	2945.7	3106.7	3547.7	4106.3	3994.3	3939.7	3266.3
30°	3115.1	3129.1	3110.9	3110.9	3073.1	3229.9	3659.7	4438.1	4391.9	4317.7	3472.1
32.5°	3365.7	3386.7	3350.3	3329.3	3323.7	3413.3	3861.3	4765.7	4844.1	4781.1	3745.1
35°	3697.5	3684.9	3641.5	3621.9	3546.3	3694.7	4160.9	5142.3	5348.1	5236.1	4075.5
37.5°	3990.1	3970.5	3967.7	3858.5	3876.7	3998.5	4415.7	5427.9	5836.7	5804.5	4424.1
40°	4263.1	4281.3	4310.7	4249.1	4221.1	4355.5	4712.5	5646.3	6216.1	6203.5	4692.9
42.5°	4555.7	4538.9	4590.7	4538.9	4496.9	4687.3	5034.5	5797.5	6549.3	6445.7	4974.3
45°	4979.9	4926.7	4944.9	4949.1	4918.3	4988.3	5167.5	5906.7	6783.1	6771.9	5180.1
47.5°	5334.1	5335.5	5304.7	5280.9	5187.1	5257.1	5315.9	5975.3	7051.9	7033.7	5259.9
50°	5465.7	5447.5	5537.1	5588.9	5594.5	5451.7	5432.1	6013.1	7193.3	7113.5	5339.7
52.5°	4992.5	5009.3	5150.7	5458.7	5636.5	5651.9	5567.9	6091.5	7250.7	7233.9	5404.1
55°	4018.1	4099.3	4331.7	4687.3	5108.7	5572.1	5714.9	6172.7	7281.5	7267.5	5689.7
56°	3532.3	3595.3	3897.7	4176.3	4705.5	5282.3	5622.5	6259.5	7305.3	7371.1	5756.9
57.5°	2843.5	2916.3	3133.3	3449.7	4074.1	4730.7	5367.7	6153.1	7212.9	7238.1	5805.9
60°	1778.0	1785.0	2045.4	2254.0	2693.7	3334.9	4096.5	5353.7	6675.3	6638.9	5215.1
62.5°	1166.2	1167.6	1404.2	1575.0	1775.2	1922.2	2410.8	3550.5	4925.3	4860.9	3712.9
65°	819.0	837.2	1020.6	1248.8	1330.0	1253.0	1237.6	1871.8	2751.1	2658.7	1995.0
67.5°	599.2	600.6	763.0	1008.0	1125.6	953.4	774.2	914.2	1089.2	1086.4	924.0
70°	396.2	413.0	537.6	753.2	887.6	765.8	632.8	653.8	693.0	693.0	687.4
72.5°	231.0	246.4	329.0	477.4	498.4	478.8	501.2	560.0	585.2	583.8	576.8
75°	131.6	138.6	156.8	198.8	247.8	292.6	368.2	424.2	449.4	464.8	446.6
77.5°	77.0	81.2	92.4	113.4	128.8	158.2	200.2	239.4	273.0	268.8	271.6
80°	40.6	40.6	51.8	67.2	89.6	112.0	133.0	155.4	173.6	177.8	182.0
82.5°	23.8	25.2	33.6	49.0	64.4	79.8	102.2	117.6	134.4	135.8	138.6
85°	12.6	14.0	21.0	32.2	43.4	49.0	50.4	47.6	51.8	49.0	56.0
87.5°	4.2	4.2	7.0	5.6	5.6	7.0	8.4	8.4	11.2	11.2	11.2
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°	2066.4	2066.4	2066.4	2066.4	2066.4	2066.4	2066.4	2066.4	2066.4	2066.4	2066.4
2.5°	2077.6	2077.6	2053.8	2009.0	2002.0	1983.8	1967.0	1965.6	1953.0	1941.8	1936.2
5°	2116.8	2073.4	2038.4	1997.8	1950.2	1927.8	1902.6	1874.6	1863.4	1874.6	1873.2
7.5°	2161.6	2125.2	2020.2	1944.6	1890.0	1867.6	1839.6	1810.2	1813.0	1813.0	1793.4
10°	2205.0	2156.0	1988.0	1891.4	1811.6	1794.8	1779.4	1790.6	1804.6	1807.4	1794.8
12.5°	2277.8	2167.2	1972.6	1838.2	1787.8	1751.4	1761.2	1792.0	1821.4	1813.0	1822.8
15°	2332.4	2177.0	1902.6	1783.6	1720.6	1737.4	1772.4	1793.4	1842.4	1836.8	1846.6
17.5°	2385.6	2182.6	1834.0	1710.8	1684.2	1730.4	1757.0	1817.2	1832.6	1866.2	1878.8
20°	2494.8	2193.8	1764.0	1666.0	1657.6	1710.8	1757.0	1785.0	1818.6	1848.0	1848.0
22.5°	2550.9	2188.2	1717.8	1607.2	1633.8	1667.4	1709.4	1757.0	1757.0	1785.0	1786.4
25°	2620.9	2165.8	1645.0	1579.2	1598.8	1631.0	1678.6	1661.8	1680.0	1680.0	1702.4
27.5°	2700.7	2118.2	1582.0	1528.8	1568.0	1603.0	1610.0	1598.8	1577.8	1575.0	1566.6
30°	2765.1	2059.4	1535.8	1512.0	1544.2	1563.8	1541.4	1517.6	1481.2	1478.4	1458.8
32.5°	2853.3	1986.6	1478.4	1470.0	1506.4	1507.8	1500.8	1464.4	1411.2	1388.8	1366.4
35°	3001.7	1944.6	1435.0	1447.6	1458.8	1454.6	1442.0	1402.8	1349.6	1339.8	1331.4
37.5°	3110.9	1913.8	1390.2	1405.6	1415.4	1421.0	1383.2	1339.8	1341.2	1321.6	1316.0
40°	3234.1	1894.2	1353.8	1360.8	1362.2	1380.4	1334.2	1313.2	1323.0	1310.4	1318.8
42.5°	3392.3	1899.8	1316.0	1310.4	1337.0	1330.0	1307.6	1279.6	1285.2	1247.4	1253.0
45°	3476.3	1937.6	1293.6	1268.4	1297.8	1296.4	1267.0	1240.4	1206.8	1134.0	1136.8
47.5°	3532.3	1947.4	1240.4	1223.6	1254.4	1272.6	1239.0	1177.4	1129.8	1078.0	1065.4
50°	3589.7	1965.6	1215.2	1180.2	1192.8	1236.2	1194.2	1135.4	1089.2	1043.0	1050.0
52.5°	3640.1	2000.6	1166.2	1114.4	1136.8	1184.4	1162.0	1090.6	1040.2	1002.4	991.2
55°	3864.1	2079.0	1083.6	1016.4	1069.6	1129.8	1117.2	1030.4	975.8	956.2	953.4
56°	3899.1	2081.8	1040.2	982.8	1031.8	1111.6	1096.2	1003.8	954.8	924.0	925.4
57.5°	3904.7	2048.2	978.6	952.0	994.0	1085.0	1065.4	982.8	915.6	887.6	879.2
60°	3435.7	1598.8	901.6	884.8	933.8	1003.8	996.8	925.4	849.8	817.6	833.0
62.5°	2342.2	1171.8	841.4	838.6	863.8	932.4	914.2	849.8	786.8	765.8	756.0
65°	1363.6	889.0	782.6	771.4	792.4	828.8	841.4	774.2	708.4	694.4	690.2
67.5°	805.0	735.0	707.0	688.8	681.8	704.2	714.0	674.8	609.0	589.4	606.2
70°	673.4	653.8	655.2	624.4	607.6	592.2	583.8	548.8	494.2	469.0	462.0
72.5°	581.0	572.6	567.0	539.0	523.6	488.6	452.2	417.2	376.6	355.6	357.0
75°	443.8	441.0	443.8	429.8	403.2	375.2	341.6	296.8	266.0	239.4	245.0
77.5°	264.6	273.0	277.2	271.6	260.4	235.2	214.2	184.8	155.4	134.4	131.6
80°	182.0	189.0	196.0	189.0	177.8	159.6	137.2	114.8	93.8	82.6	79.8
82.5°	138.6	145.6	149.8	142.8	128.8	109.2	93.8	78.4	61.6	50.4	47.6
85°	50.4	57.4	56.0	67.2	72.8	70.0	60.2	46.2	35.0	25.2	23.8
87.5°	14.0	12.6	14.0	14.0	14.0	12.6	11.2	11.2	11.2	7.0	5.6
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)