

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: STREETWORKS

Report Number: P648774

Luminaire Tested: **GLAN-SA2C-835-U-T2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648774
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: STREETWORKS
Catalog Number: GLAN-SA2C-835-U-T2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 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: 9285.6 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

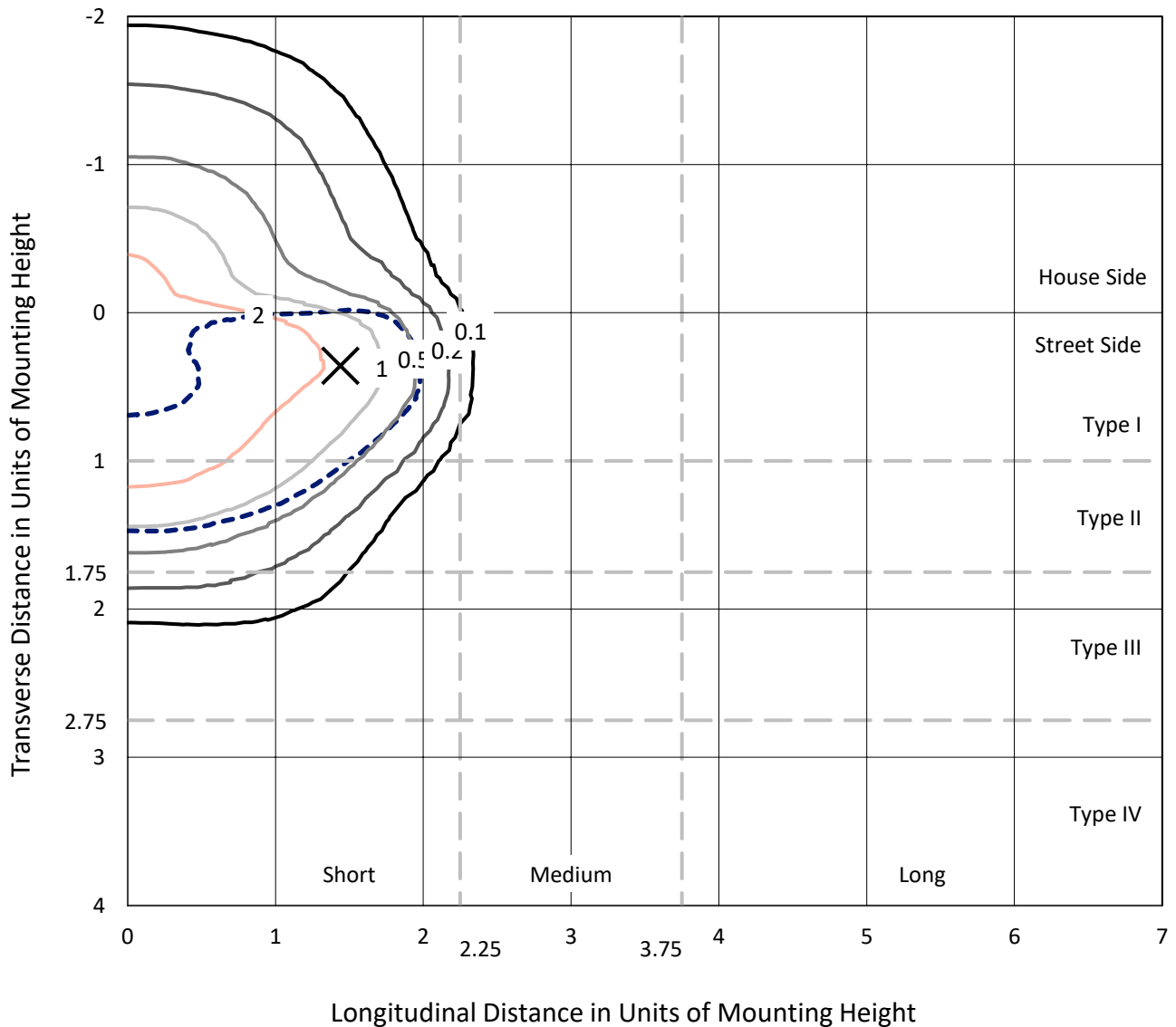
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

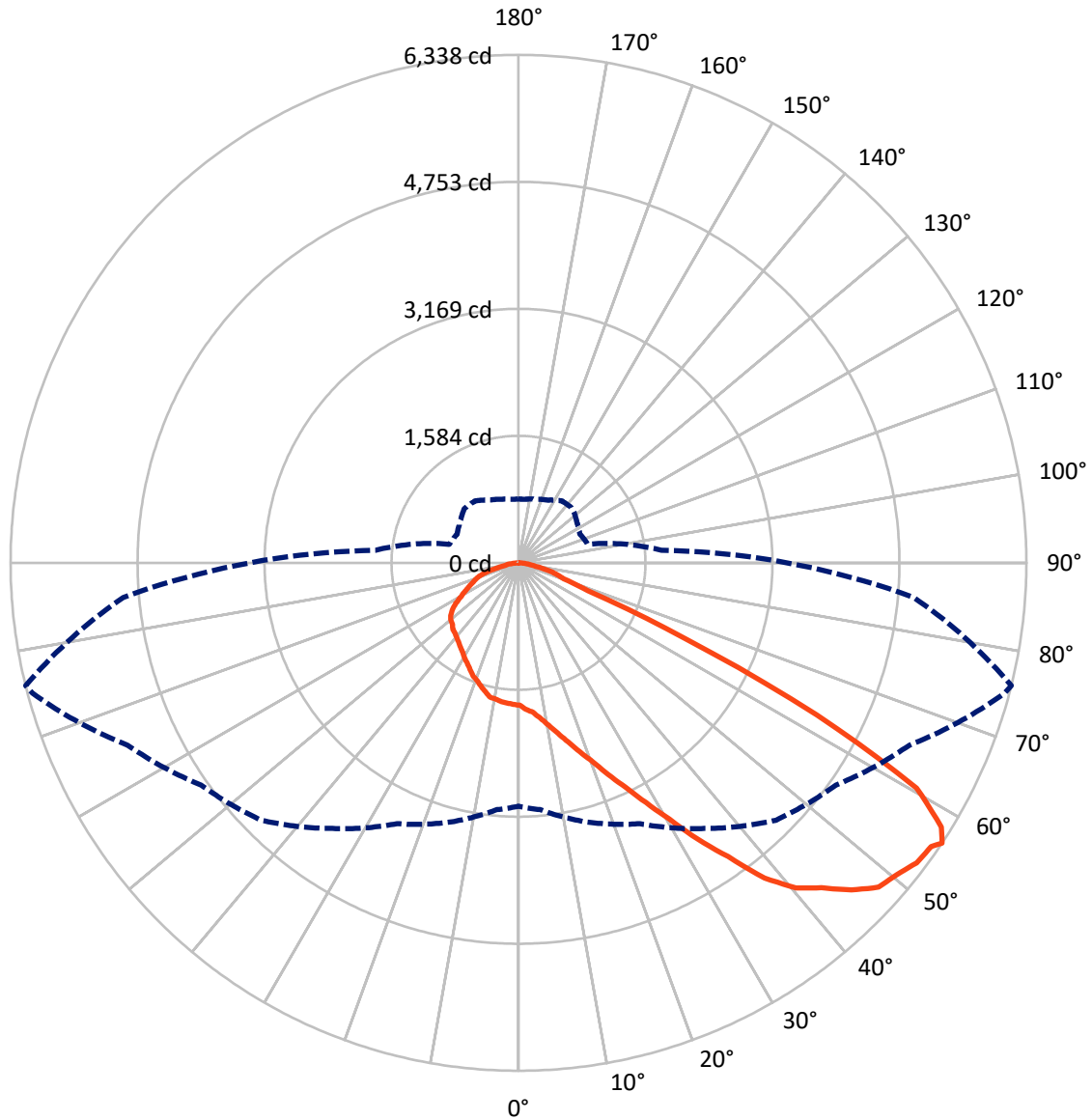
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 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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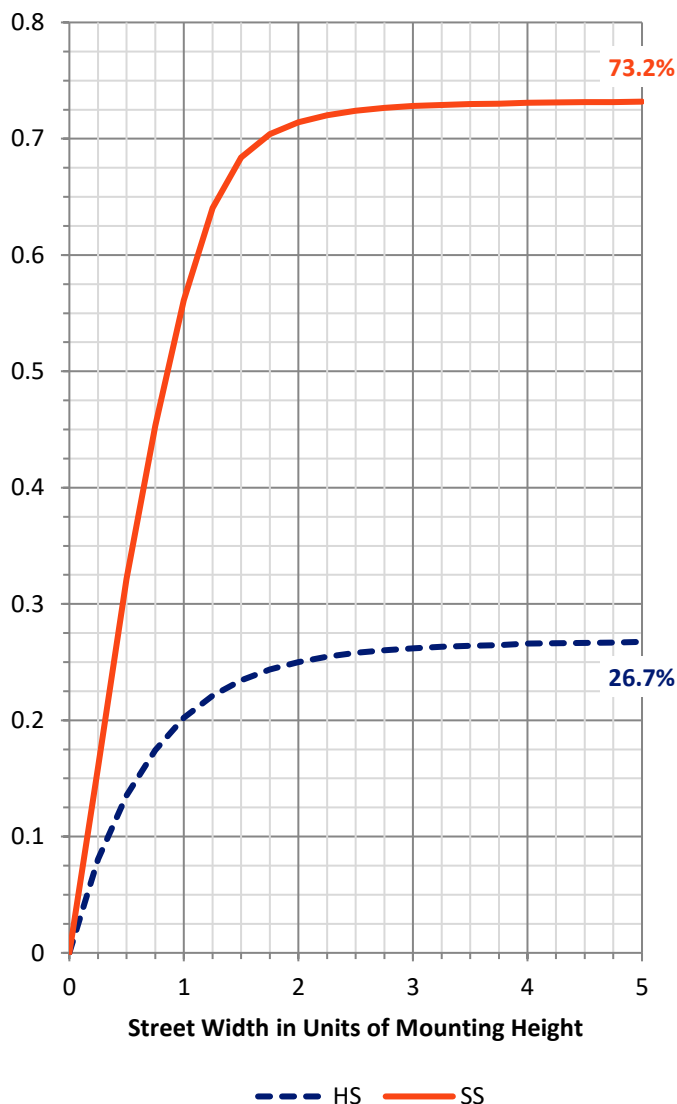
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2496.6	0.0	2496.6
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	6789.0	0.0	6789.0
	% Fixture	73.1	0.0	73.1
Total	Lumens	9285.6	0.0	9285.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.2	1.9
10°-20°	553.5	6.0
20°-30°	968.0	10.4
30°-40°	1515.5	16.3
40°-50°	2204.7	23.7
50°-60°	2423.1	26.1
60°-70°	1081.6	11.6
70°-80°	312.4	3.4
80°-90°	50.7	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°	9285.6	100.0
0°-180°	9285.6	100.0

Coefficient of Utilization



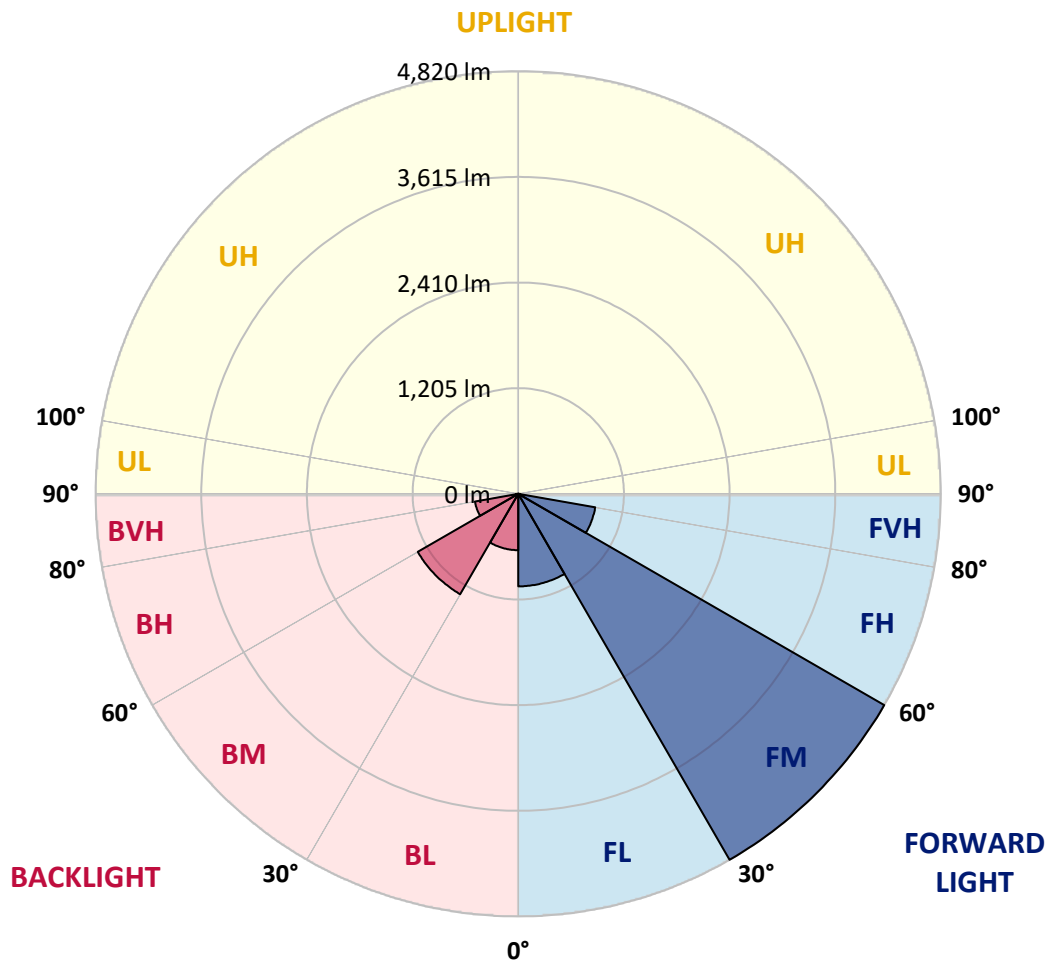
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1055.2	11.4			
FM (30°-60°)	4820.3	51.9			
FH (60°-80°)	891.6	9.6			G1/1800
FVH (80°-90°)	21.8	0.2			G1/100
BL (0°-30°)	642.4	6.9	B2/1000		
BM (30°-60°)	1323.0	14.2	B2/2500		
BH (60°-80°)	502.3	5.4	B2/1000		G2/1000
BVH (80°-90°)	28.9	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°	1776.7	1776.7	1776.7	1776.7	1776.7	1776.7	1776.7	1776.7	1776.7	1776.7	1776.7
2.5°	1957.3	1925.9	1923.5	1915.1	1919.9	1898.2	1875.4	1845.3	1814.0	1833.2	1787.5
5°	2094.4	2052.3	2069.2	2040.3	2043.9	2015.1	1968.1	1933.1	1894.6	1871.8	1839.3
7.5°	2142.6	2146.2	2158.3	2153.4	2129.4	2129.4	2098.0	2036.7	1969.2	1956.0	1901.8
10°	2207.6	2208.8	2195.6	2199.2	2232.9	2217.2	2189.6	2163.0	2076.4	2060.8	1964.5
12.5°	2230.5	2208.8	2230.5	2249.7	2289.5	2311.1	2305.1	2285.8	2193.2	2182.3	2041.5
15°	2234.1	2220.8	2238.9	2282.2	2317.1	2408.7	2454.4	2441.2	2318.4	2319.6	2128.2
17.5°	2217.2	2235.3	2242.5	2279.9	2360.5	2445.9	2578.3	2596.4	2495.3	2479.7	2237.7
20°	2240.1	2226.9	2236.5	2270.2	2377.3	2510.9	2684.3	2803.5	2661.4	2650.6	2350.9
22.5°	2328.0	2309.9	2307.5	2329.2	2406.2	2544.7	2796.2	3010.5	2863.7	2869.6	2491.7
25°	2396.6	2406.2	2397.8	2396.6	2444.8	2595.2	2944.3	3257.3	3138.1	3103.2	2657.8
27.5°	2514.5	2537.4	2520.6	2543.4	2532.6	2671.0	3050.2	3530.5	3434.2	3387.3	2808.2
30°	2678.3	2690.3	2674.6	2674.6	2642.2	2777.0	3146.5	3815.8	3776.0	3712.3	2985.2
32.5°	2893.7	2911.7	2880.5	2862.4	2857.6	2934.7	3319.8	4097.4	4164.9	4110.7	3219.9
35°	3179.0	3168.2	3130.8	3114.0	3049.0	3176.6	3577.4	4421.2	4598.2	4501.9	3504.0
37.5°	3430.6	3413.7	3411.3	3317.4	3333.1	3437.8	3796.5	4666.8	5018.2	4990.6	3803.7
40°	3665.3	3681.0	3706.3	3653.2	3629.2	3744.8	4051.7	4854.6	5344.4	5333.6	4034.9
42.5°	3916.9	3902.5	3946.9	3902.5	3866.3	4030.0	4328.6	4984.6	5630.9	5541.9	4276.8
45°	4281.6	4235.9	4251.5	4255.1	4228.7	4288.8	4442.9	5078.5	5832.0	5822.4	4453.7
47.5°	4586.1	4587.4	4560.9	4540.4	4459.7	4519.9	4570.5	5137.4	6063.1	6047.4	4522.4
50°	4699.3	4683.7	4760.7	4805.2	4810.0	4687.3	4670.4	5169.9	6184.7	6116.1	4591.0
52.5°	4292.4	4306.9	4428.5	4693.3	4846.1	4859.4	4787.2	5237.3	6234.0	6219.6	4646.3
55°	3454.7	3524.4	3724.3	4030.0	4392.3	4790.8	4913.6	5307.2	6260.5	6248.5	4891.9
56°	3036.9	3091.1	3351.2	3590.7	4045.7	4541.6	4834.1	5381.8	6281.0	6337.5	4949.7
57.5°	2444.8	2507.3	2693.9	2965.9	3502.8	4067.4	4615.0	5290.3	6201.5	6223.2	4991.8
60°	1528.7	1534.8	1758.6	1938.0	2316.0	2867.3	3522.1	4603.0	5739.3	5708.0	4483.8
62.5°	1002.7	1003.9	1207.3	1354.2	1526.3	1652.7	2072.8	3052.6	4234.7	4179.3	3192.2
65°	704.2	719.8	877.5	1073.7	1143.5	1077.3	1064.1	1609.4	2365.3	2285.8	1715.3
67.5°	515.2	516.4	656.0	866.7	967.8	819.7	665.6	786.1	936.5	934.1	794.4
70°	340.7	355.1	462.2	647.6	763.2	658.4	544.1	562.1	595.9	595.9	591.0
72.5°	198.6	211.9	282.9	410.4	428.5	411.7	431.0	481.5	503.2	502.0	496.0
75°	113.1	119.2	134.8	170.9	213.1	251.6	316.6	364.7	386.4	399.6	384.0
77.5°	66.2	69.8	79.5	97.5	110.7	136.0	172.1	205.9	234.7	231.1	233.5
80°	34.9	34.9	44.6	57.8	77.0	96.3	114.3	133.6	149.2	152.8	156.5
82.5°	20.4	21.7	28.9	42.1	55.4	68.6	87.9	101.1	115.6	116.7	119.2
85°	10.8	12.1	18.1	27.7	37.3	42.1	43.3	41.0	44.6	42.1	48.2
87.5°	3.6	3.6	6.0	4.8	4.8	6.0	7.2	7.2	9.6	9.6	9.6
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°	1776.7	1776.7	1776.7	1776.7	1776.7	1776.7	1776.7	1776.7	1776.7	1776.7	1776.7
2.5°	1786.3	1786.3	1765.8	1727.3	1721.3	1705.7	1691.2	1690.0	1679.1	1669.5	1664.7
5°	1820.0	1782.7	1752.6	1717.7	1676.8	1657.5	1635.8	1611.8	1602.2	1611.8	1610.6
7.5°	1858.5	1827.2	1736.9	1671.9	1625.0	1605.8	1581.7	1556.4	1558.8	1558.8	1542.0
10°	1895.9	1853.8	1709.3	1626.2	1557.6	1543.1	1529.9	1539.5	1551.6	1554.0	1543.1
12.5°	1958.4	1863.4	1696.1	1580.5	1537.1	1505.9	1514.2	1540.8	1566.0	1558.8	1567.3
15°	2005.4	1871.8	1635.8	1533.5	1479.4	1493.8	1523.9	1542.0	1584.1	1579.2	1587.7
17.5°	2051.1	1876.6	1576.9	1470.9	1448.1	1487.8	1510.6	1562.4	1575.6	1604.5	1615.4
20°	2145.0	1886.2	1516.7	1432.4	1425.2	1470.9	1510.6	1534.8	1563.7	1588.9	1588.9
22.5°	2193.2	1881.4	1477.0	1381.8	1404.7	1433.6	1469.8	1510.6	1510.6	1534.8	1535.9
25°	2253.3	1862.1	1414.3	1357.8	1374.6	1402.4	1443.2	1428.8	1444.5	1444.5	1463.7
27.5°	2322.0	1821.2	1360.2	1314.4	1348.2	1378.2	1384.3	1374.6	1356.5	1354.2	1346.9
30°	2377.3	1770.7	1320.5	1300.0	1327.7	1344.6	1325.3	1304.8	1273.5	1271.1	1254.3
32.5°	2453.1	1708.0	1271.1	1263.9	1295.2	1296.4	1290.4	1259.1	1213.3	1194.1	1174.8
35°	2580.8	1671.9	1233.8	1244.7	1254.3	1250.7	1239.8	1206.1	1160.4	1151.9	1144.7
37.5°	2674.6	1645.5	1195.2	1208.6	1216.9	1221.8	1189.3	1151.9	1153.1	1136.3	1131.5
40°	2780.6	1628.6	1164.0	1170.0	1171.2	1186.9	1147.2	1129.1	1137.5	1126.7	1133.9
42.5°	2916.6	1633.4	1131.5	1126.7	1149.5	1143.5	1124.2	1100.2	1105.0	1072.5	1077.3
45°	2988.8	1665.9	1112.3	1090.6	1115.9	1114.6	1089.4	1066.5	1037.6	975.0	977.4
47.5°	3036.9	1674.4	1066.5	1052.0	1078.5	1094.2	1065.3	1012.3	971.4	926.8	916.0
50°	3086.4	1690.0	1044.8	1014.8	1025.6	1062.8	1026.7	976.2	936.5	896.8	902.8
52.5°	3129.7	1720.1	1002.7	958.2	977.4	1018.4	999.1	937.7	894.3	861.8	852.2
55°	3322.3	1787.5	931.7	873.9	919.6	971.4	960.6	886.0	839.0	822.2	819.7
56°	3352.3	1789.9	894.3	845.0	887.1	955.7	942.5	863.1	820.9	794.4	795.7
57.5°	3357.2	1761.0	841.4	818.5	854.6	932.9	916.0	845.0	787.2	763.2	755.9
60°	2953.9	1374.6	775.2	760.8	802.9	863.1	857.1	795.7	730.6	703.0	716.2
62.5°	2013.8	1007.5	723.4	721.0	742.7	801.6	786.1	730.6	676.5	658.4	650.0
65°	1172.4	764.4	672.9	663.3	681.3	712.6	723.4	665.6	609.1	597.0	593.4
67.5°	692.2	632.0	607.8	592.3	586.2	605.5	613.9	580.2	523.6	506.8	521.2
70°	579.0	562.1	563.4	536.8	522.4	509.2	502.0	471.8	424.9	403.2	397.2
72.5°	499.6	492.4	487.5	463.5	450.2	420.1	388.8	358.7	323.8	305.8	306.9
75°	381.6	379.2	381.6	369.6	346.6	322.6	293.7	255.2	228.7	205.9	210.6
77.5°	227.5	234.7	238.3	233.5	223.9	202.2	184.2	158.9	133.6	115.6	113.1
80°	156.5	162.5	168.5	162.5	152.8	137.3	118.0	98.7	80.6	71.0	68.6
82.5°	119.2	125.2	128.8	122.8	110.7	93.9	80.6	67.4	52.9	43.3	41.0
85°	43.3	49.3	48.2	57.8	62.6	60.2	51.8	39.7	30.1	21.7	20.4
87.5°	12.1	10.8	12.1	12.1	12.1	10.8	9.6	9.6	9.6	6.0	4.8
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)