

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: P532791

Luminaire Tested: **GLAN-SA8A-830-U-T2R-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532791
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-9)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8A-830-U-T2R-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19408 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G1

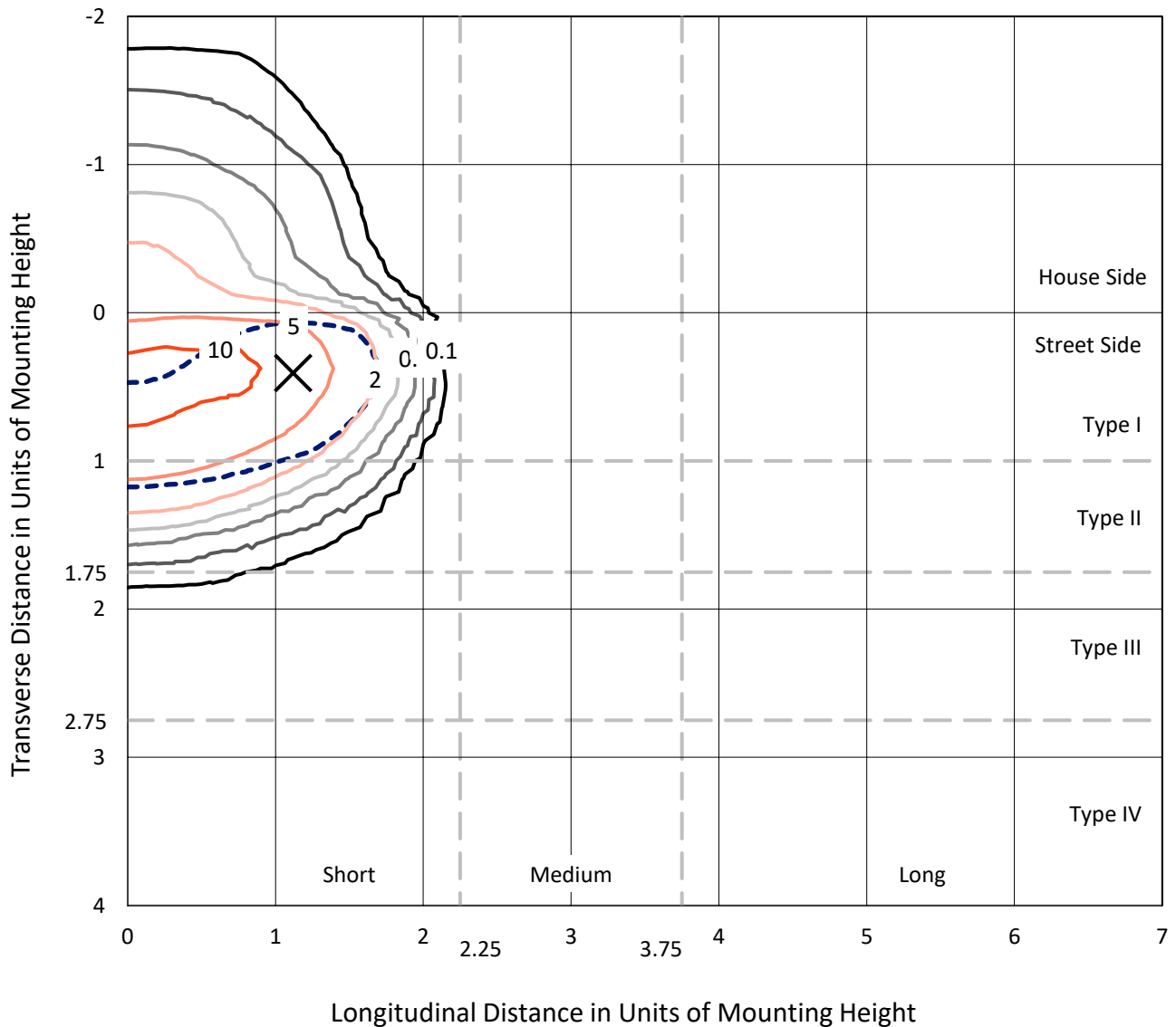
Input Watts (W): 244
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

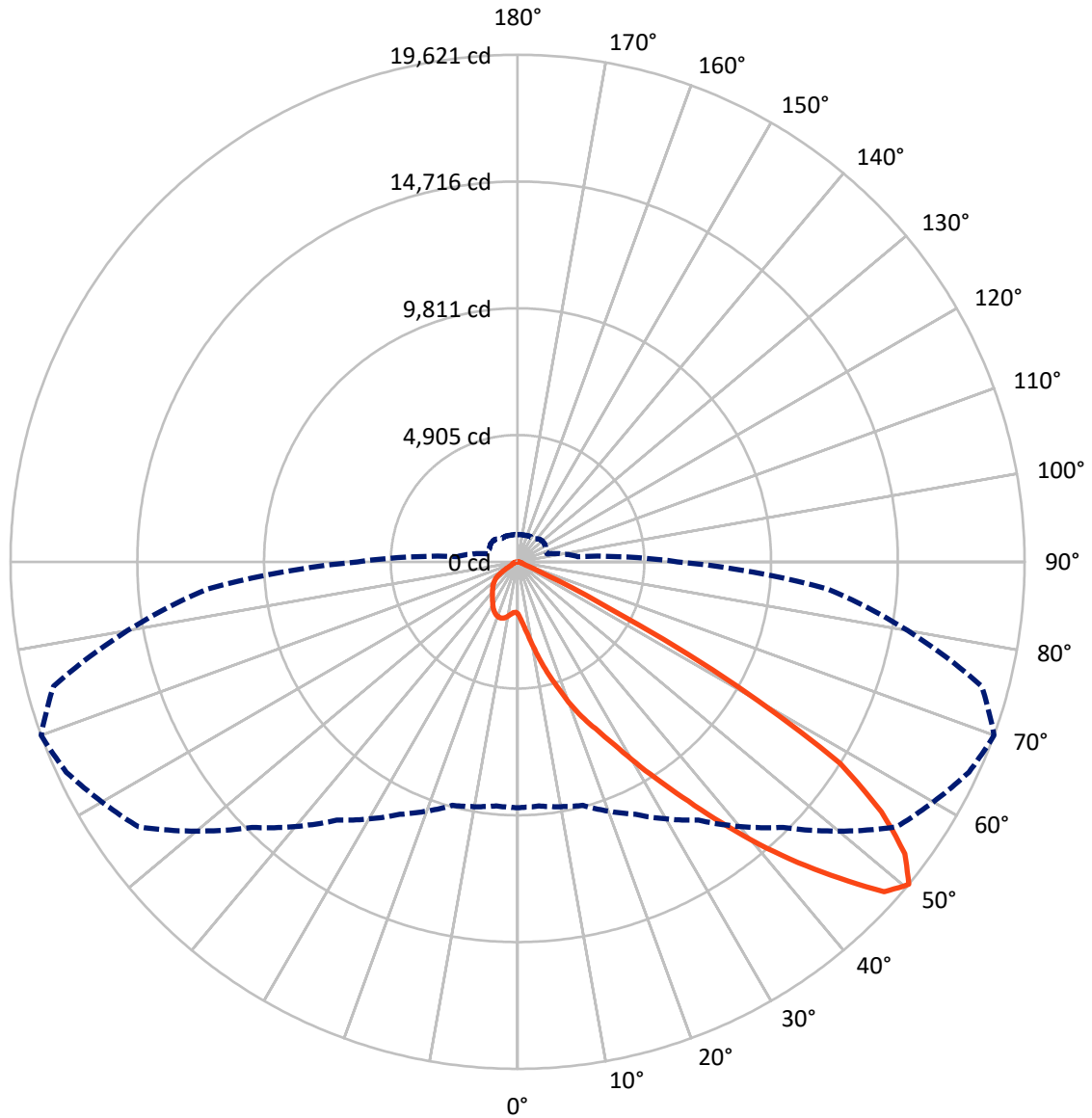
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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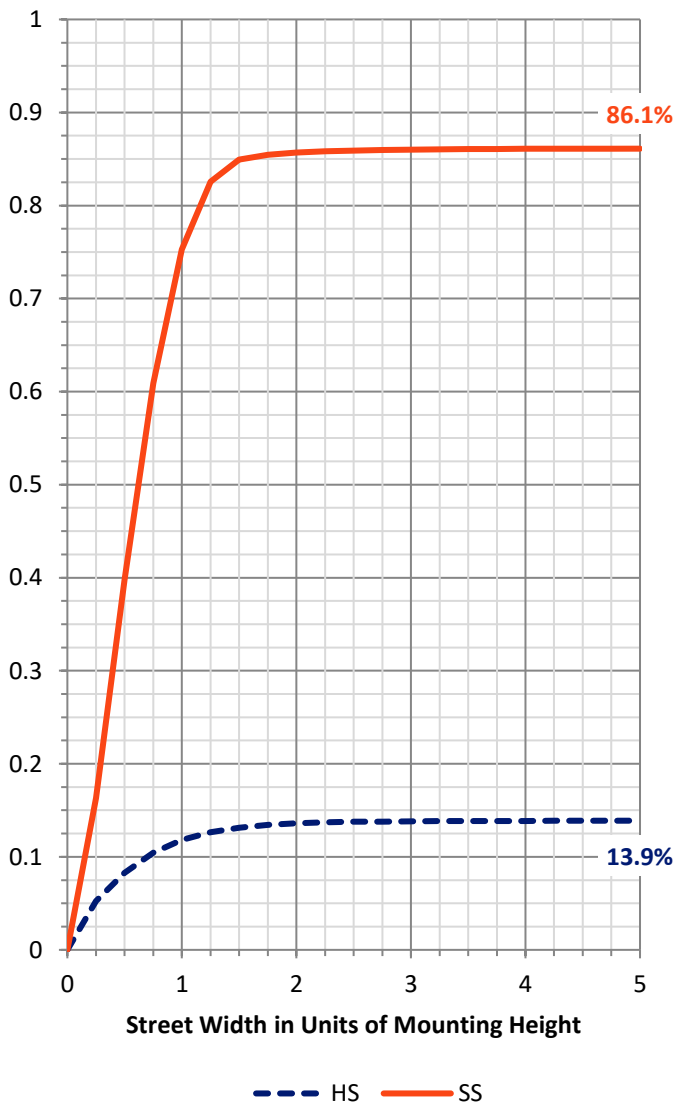
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2710.5	0.0	2710.5
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	16697.5	0.0	16697.5
	% Fixture	86.0	0.0	86.0
Total	Lumens	19408.0	0.0	19408.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.4	1.3
10°-20°	1130.8	5.8
20°-30°	2372.2	12.2
30°-40°	4088.8	21.1
40°-50°	5975.8	30.8
50°-60°	4654.1	24.0
60°-70°	788.5	4.1
70°-80°	108.3	0.6
80°-90°	28.1	0.1
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°	19408.0	100.0
0°-180°	19408.0	100.0

Coefficient of Utilization



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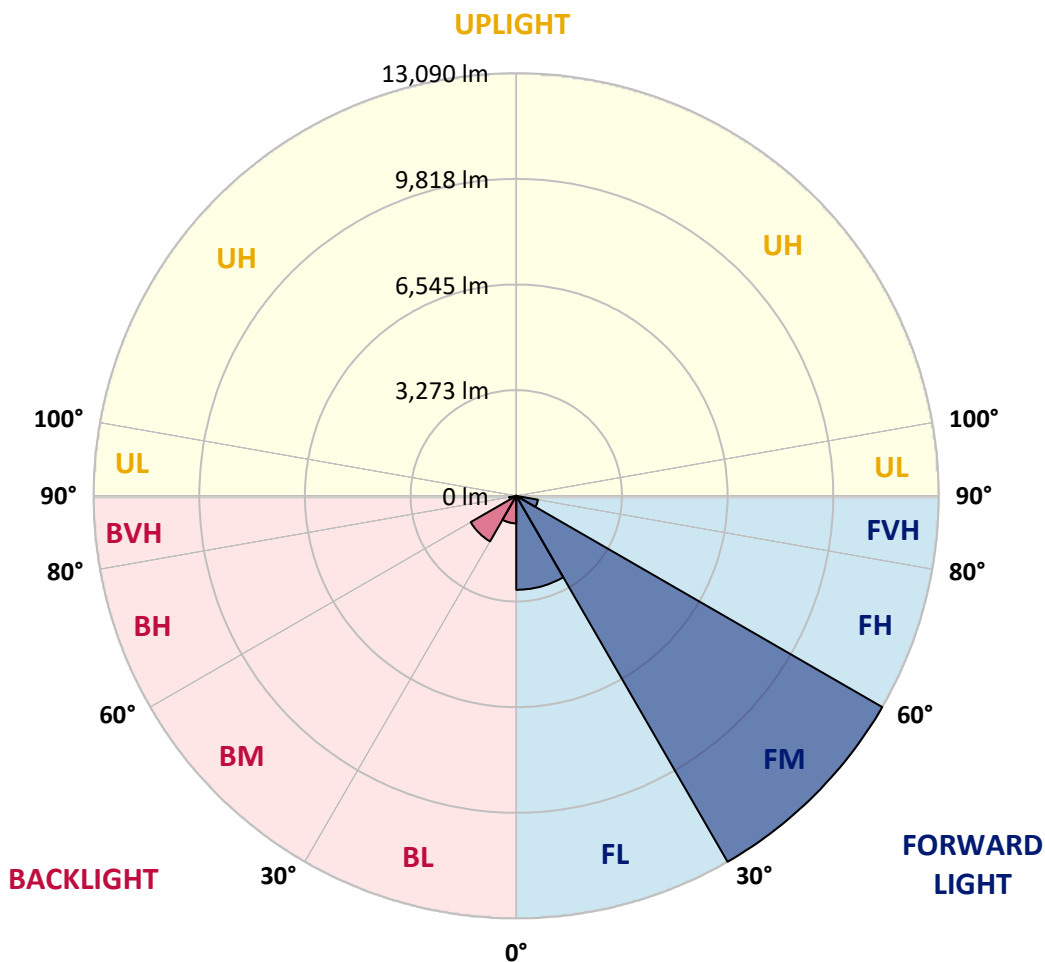
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2911.4	15.0			
FM (30°-60°)	13090.4	67.4			
FH (60°-80°)	682.8	3.5			G1/1800
FVH (80°-90°)	13.0	0.1			G1/100
BL (0°-30°)	852.9	4.4	B2/1000		
BM (30°-60°)	1628.4	8.4	B2/2500		
BH (60°-80°)	214.1	1.1	B1/500		G1/500
BVH (80°-90°)	15.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2010.3	2010.3	2010.3	2010.3	2010.3	2010.3	2010.3	2010.3	2010.3	2010.3	2010.3
2.5°	2632.5	2613.4	2571.9	2495.3	2463.4	2386.8	2342.1	2256.0	2201.7	2141.1	2074.1
5°	3707.9	3608.9	3548.3	3462.2	3210.1	3053.7	2795.3	2575.1	2473.0	2361.3	2208.1
7.5°	4818.3	4754.5	4671.5	4486.4	4314.1	3988.7	3545.1	3060.1	2852.7	2661.2	2358.1
10°	5737.3	5558.6	5549.0	5411.8	5223.6	4834.3	4301.4	3698.3	3328.1	3047.3	2571.9
12.5°	6378.7	6215.9	6289.3	6273.4	6097.9	5740.5	5124.6	4326.9	3940.8	3503.6	2792.1
15°	6962.6	6895.6	6873.3	6854.1	6783.9	6519.1	5967.0	5092.7	4534.3	4007.8	3041.0
17.5°	7533.8	7361.5	7444.4	7460.4	7454.0	7214.7	6697.8	5820.3	5162.9	4540.7	3302.6
20°	8041.1	8057.1	7945.4	7923.1	7903.9	7894.4	7390.2	6541.4	5935.1	5099.1	3644.0
22.5°	8692.1	8580.4	8679.3	8615.5	8491.1	8414.5	8028.4	7179.6	6605.2	5772.4	3991.9
25°	9461.1	9550.5	9317.5	9292.0	9154.8	8889.9	8542.1	7894.4	7249.8	6397.8	4368.4
27.5°	10408.8	10252.5	10191.8	10051.4	9802.5	9690.9	9282.4	8631.5	8028.4	7055.1	4732.2
30°	11222.5	11181.0	10877.9	10712.0	10495.0	10491.8	9920.6	9630.2	9043.1	8085.8	5233.1
32.5°	11886.2	11704.3	11592.7	11477.8	11302.3	11350.1	10868.3	10715.1	10124.8	9043.1	5823.4
35°	12329.8	12198.9	12131.9	11956.4	11905.4	12119.2	11918.1	11854.3	11369.3	10389.7	6515.9
37.5°	12470.2	12511.6	12498.9	12278.7	12387.2	12964.8	13223.2	13057.3	12802.0	11809.6	7265.8
40°	12594.6	12623.3	12559.5	12818.0	13127.5	13784.8	14719.8	14445.3	14349.6	13248.7	8309.2
42.5°	12664.8	12642.5	12642.5	13089.2	13558.3	14879.3	16165.3	15983.4	15910.0	14780.4	9515.4
45°	12361.7	12144.7	12377.6	12983.9	13928.4	15418.6	17320.4	17572.5	17467.2	16602.4	10925.7
47.5°	11228.9	11362.9	11493.7	12304.2	13478.5	15252.7	18028.8	18887.1	19081.8	18134.1	11851.1
50°	9515.4	9486.6	9757.9	10779.0	12205.3	14537.9	17891.6	19266.8	19621.0	18593.6	12045.8
52.5°	6921.1	7131.7	7425.3	8440.0	10131.2	12687.1	16120.6	18287.2	18759.5	18028.8	11918.1
55°	4030.1	3797.2	4457.7	5316.1	6911.6	9569.6	13628.5	16209.9	17084.2	17001.3	11273.6
57.5°	1614.6	1563.6	1790.1	2412.3	3605.8	5931.9	9911.0	13318.9	14719.8	15571.7	9907.8
60°	708.4	692.4	813.7	982.8	1474.2	2734.6	5421.4	8283.7	9745.1	10881.1	6819.0
62.5°	510.5	504.2	564.8	625.4	778.6	1190.2	2278.3	3337.7	4161.0	5025.7	3053.7
65°	411.6	427.6	469.1	501.0	574.4	660.5	804.1	928.6	1139.2	1180.6	673.3
67.5°	335.0	347.8	386.1	421.2	434.0	357.4	370.1	325.5	325.5	290.4	232.9
70°	245.7	248.9	293.6	335.0	268.0	143.6	252.1	252.1	226.6	217.0	197.8
72.5°	181.9	185.1	220.2	207.4	105.3	89.3	185.1	204.2	185.1	175.5	159.5
75°	134.0	137.2	114.9	47.9	44.7	57.4	108.5	140.4	134.0	130.8	121.3
77.5°	25.5	19.1	16.0	22.3	31.9	47.9	70.2	86.2	89.3	95.7	89.3
80°	3.2	3.2	9.6	19.1	35.1	51.1	73.4	83.0	86.2	89.3	83.0
82.5°	0.0	3.2	9.6	19.1	35.1	47.9	63.8	73.4	79.8	83.0	79.8
85°	0.0	3.2	6.4	16.0	28.7	35.1	31.9	22.3	19.1	22.3	16.0
87.5°	0.0	0.0	3.2	3.2	6.4	6.4	6.4	6.4	6.4	6.4	6.4
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°	2010.3	2010.3	2010.3	2010.3	2010.3	2010.3	2010.3	2010.3	2010.3	2010.3	2010.3
2.5°	2035.8	2023.1	1978.4	1930.5	1889.0	1908.2	1889.0	1873.1	1879.5	1873.1	1866.7
5°	2147.5	2090.1	1994.3	1952.8	1917.7	1914.6	1905.0	1901.8	1905.0	1905.0	1876.3
7.5°	2252.8	2160.3	2058.2	2013.5	1972.0	1975.2	1952.8	1952.8	1949.7	1933.7	1927.3
10°	2412.3	2287.9	2157.1	2077.3	2026.2	2016.7	1994.3	1972.0	1972.0	1972.0	1940.1
12.5°	2587.8	2431.5	2252.8	2160.3	2099.6	2051.8	2016.7	2010.3	1975.2	1968.8	1952.8
15°	2741.0	2543.2	2316.6	2189.0	2112.4	2048.6	1994.3	1959.2	1943.3	1933.7	1920.9
17.5°	2891.0	2638.9	2351.7	2189.0	2106.0	2032.6	1975.2	1943.3	1905.0	1911.4	1885.8
20°	3092.0	2741.0	2361.3	2147.5	2045.4	1975.2	1898.6	1882.6	1860.3	1841.2	1847.5
22.5°	3286.7	2814.4	2332.6	2096.4	1949.7	1866.7	1828.4	1809.3	1799.7	1783.7	1761.4
25°	3462.2	2894.2	2287.9	2003.9	1847.5	1786.9	1751.8	1748.6	1726.3	1726.3	1684.8
27.5°	3640.9	2922.9	2211.3	1895.4	1758.2	1723.1	1707.1	1700.8	1691.2	1668.9	1640.1
30°	3845.1	2932.5	2099.6	1783.7	1678.4	1640.1	1662.5	1678.4	1636.9	1595.5	1608.2
32.5°	4014.2	2910.1	1965.6	1678.4	1621.0	1601.8	1646.5	1662.5	1614.6	1569.9	1547.6
35°	4218.4	2855.9	1834.8	1595.5	1563.6	1601.8	1640.1	1640.1	1544.4	1490.2	1477.4
37.5°	4527.9	2795.3	1713.5	1525.3	1502.9	1582.7	1633.8	1598.7	1448.7	1381.7	1365.7
40°	4859.8	2757.0	1595.5	1455.1	1471.0	1550.8	1579.5	1471.0	1317.9	1276.4	1263.6
42.5°	5341.6	2680.4	1490.2	1394.4	1442.3	1506.1	1506.1	1311.5	1254.0	1231.7	1228.5
45°	5941.5	2626.1	1397.6	1343.4	1400.8	1416.8	1365.7	1228.5	1187.0	1180.6	1183.8
47.5°	6235.1	2520.8	1301.9	1282.8	1324.2	1327.4	1193.4	1161.5	1126.4	1116.8	1110.4
50°	6190.4	2332.6	1177.5	1203.0	1260.4	1228.5	1088.1	1094.5	1062.6	1059.4	1043.4
52.5°	5877.7	2035.8	1053.0	1113.6	1177.5	1084.9	1002.0	995.6	995.6	954.1	938.1
55°	5210.8	1640.1	903.0	979.6	1056.2	912.6	890.3	883.9	867.9	829.6	820.1
57.5°	4125.9	1203.0	679.7	762.6	896.7	775.4	772.2	743.5	702.0	673.3	673.3
60°	2453.8	692.4	427.6	465.9	593.5	628.6	698.8	686.1	615.8	571.2	558.4
62.5°	1120.0	357.4	271.2	277.6	319.1	408.4	548.8	635.0	536.1	459.5	453.1
65°	376.5	264.8	223.4	213.8	220.2	245.7	328.7	449.9	427.6	354.2	341.4
67.5°	229.7	236.1	210.6	194.6	194.6	191.5	188.3	204.2	252.1	245.7	248.9
70°	197.8	217.0	194.6	175.5	169.1	159.5	134.0	111.7	95.7	111.7	118.1
72.5°	159.5	172.3	165.9	150.0	134.0	121.3	95.7	73.4	54.2	47.9	47.9
75°	118.1	127.6	134.0	114.9	102.1	86.2	70.2	47.9	28.7	19.1	19.1
77.5°	86.2	95.7	98.9	89.3	76.6	60.6	44.7	31.9	16.0	6.4	6.4
80°	73.4	86.2	95.7	89.3	79.8	57.4	41.5	22.3	12.8	3.2	3.2
82.5°	70.2	86.2	95.7	86.2	76.6	54.2	41.5	25.5	9.6	3.2	3.2
85°	16.0	22.3	28.7	35.1	41.5	41.5	31.9	19.1	9.6	3.2	3.2
87.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	3.2	3.2	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)