

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: P509616

Luminaire Tested: **VERD-G-CA2-130-750-U-T4-HSS**

Issue Date: 4/6/2021

Test Information

Test Method: LM-79-08
Report Number: P509616
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-7)
Test Lab: INNOVATION CENTER
Issue Date: 4/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-130-750-U-T4-HSS
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 1200mA LEDS AND TYPE IV OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17003 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular (W 0.9' x L: 1.25' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

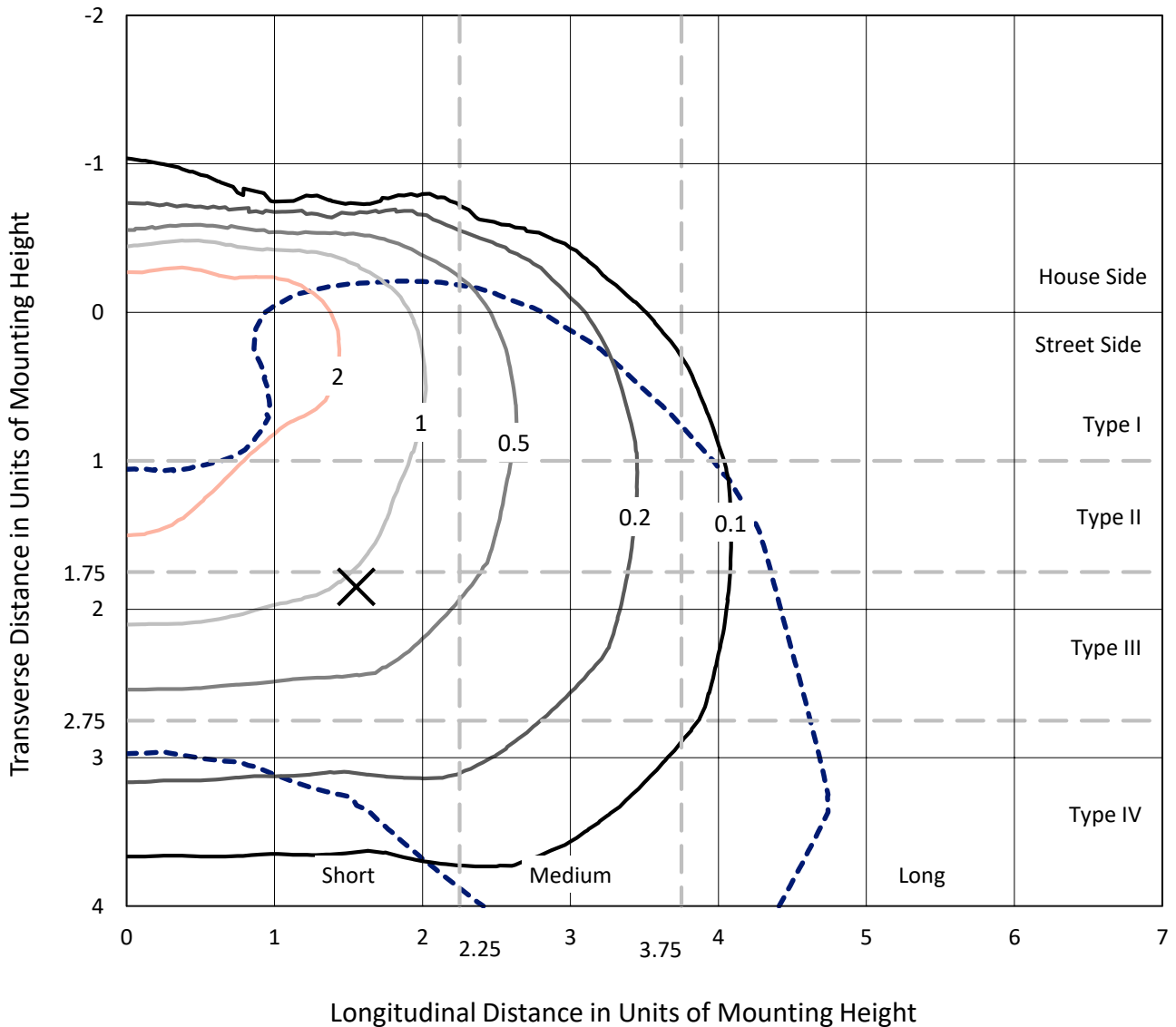
Input Watts (W): 133.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

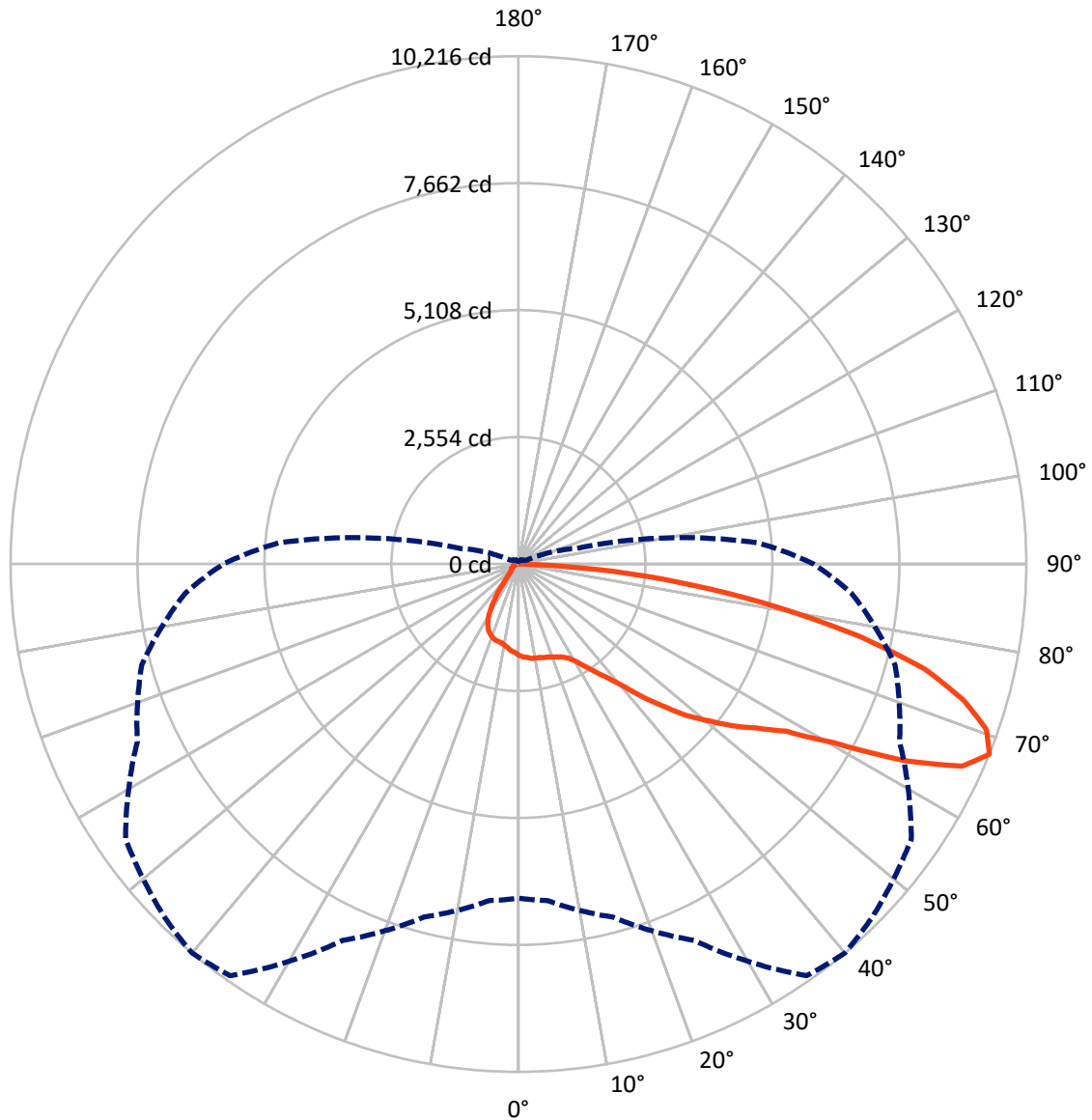
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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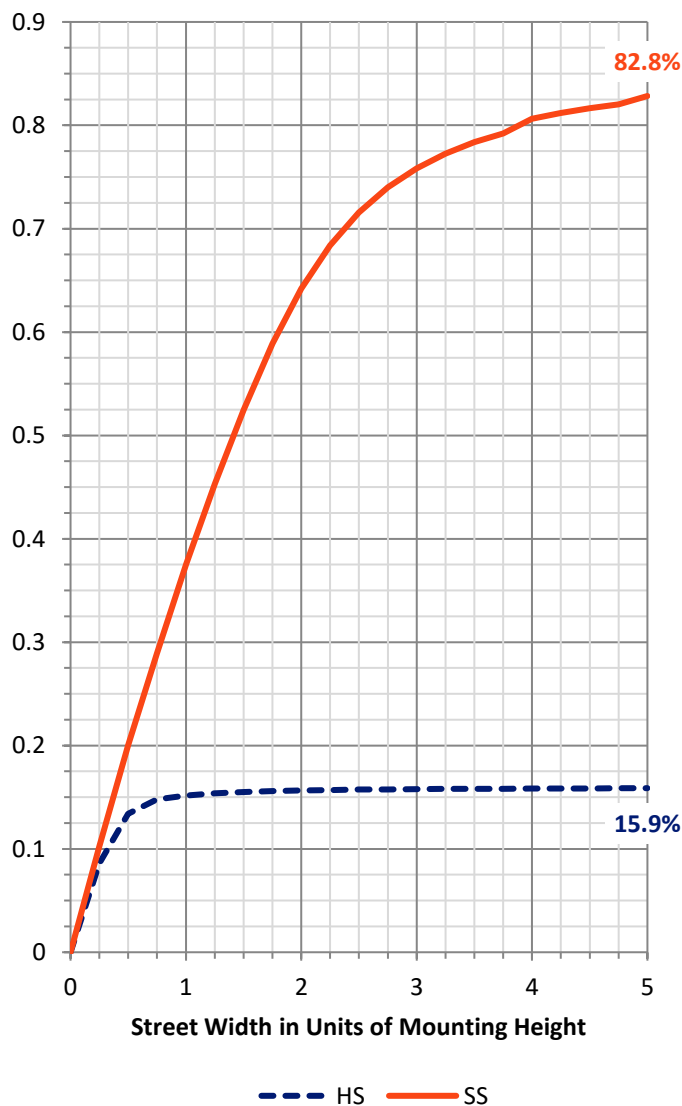
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2728.7	0.0	2728.7
	% Fixture	16.0	0.0	16.0
Street Side	Lumens	14274.3	0.0	14274.3
	% Fixture	84.0	0.0	84.0
Total	Lumens	17003.0	0.0	17003.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.2	1.0
10°-20°	516.6	3.0
20°-30°	859.4	5.1
30°-40°	1351.5	7.9
40°-50°	2340.0	13.8
50°-60°	3458.9	20.3
60°-70°	4496.8	26.4
70°-80°	3218.7	18.9
80°-90°	586.9	3.5
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°	17003.0	100.0
0°-180°	17003.0	100.0

Coefficient of Utilization



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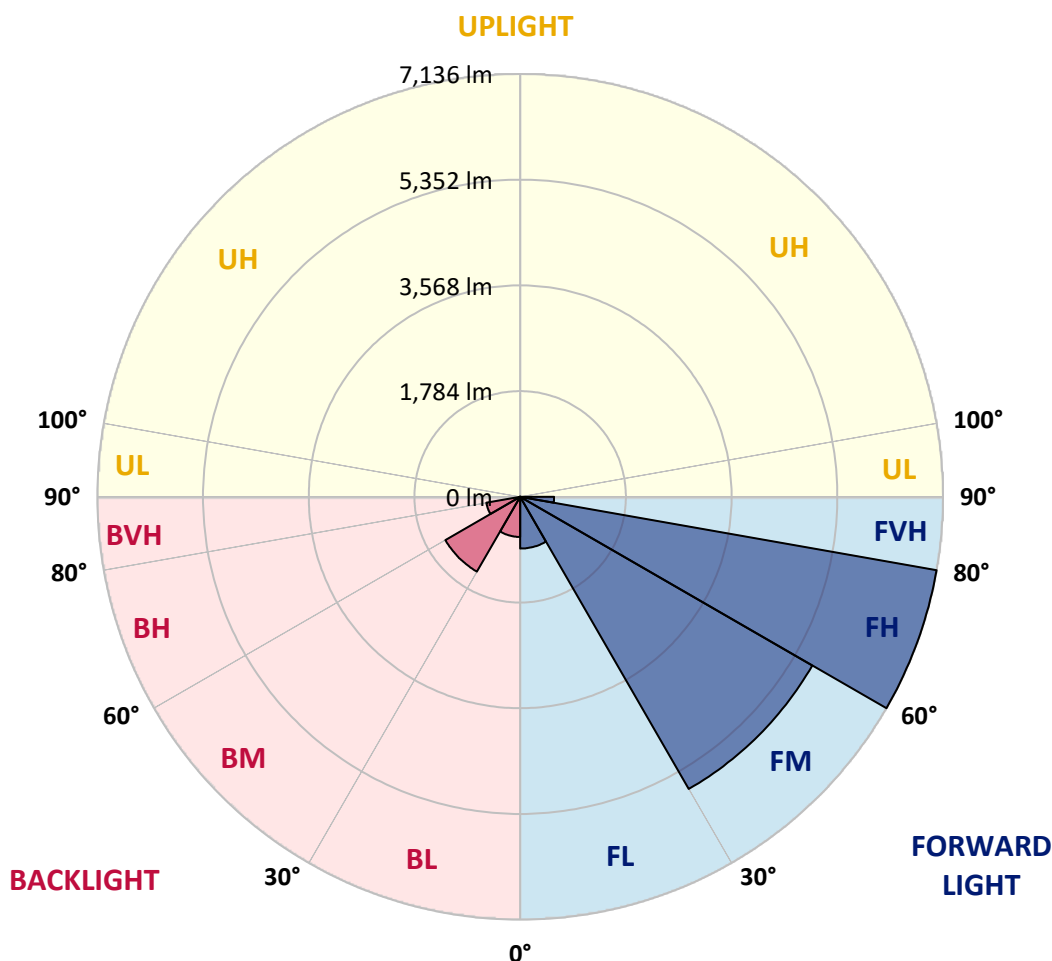
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	873.3	5.1			
FM	(30°-60°)	5692.7	33.5			
FH	(60°-80°)	7135.7	42.0			G3/7500
FVH	(80°-90°)	572.5	3.4			G4/750
BL	(0°-30°)	676.9	4.0	B2/1000		
BM	(30°-60°)	1457.6	8.6	B2/2500		
BH	(60°-80°)	579.8	3.4	B2/1000		G2/1000
BVH	(80°-90°)	14.4	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-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5
2.5°	1915.0	1913.7	1901.1	1894.8	1877.1	1870.8	1872.1	1864.5	1846.8	1849.4	1831.7
5°	1917.5	1926.4	1907.4	1902.4	1896.1	1888.5	1897.3	1887.2	1872.1	1877.1	1858.2
7.5°	1928.9	1932.7	1923.8	1918.8	1903.6	1918.8	1917.5	1908.7	1898.6	1889.7	1882.2
10°	1932.7	1928.9	1911.2	1907.4	1907.4	1922.6	1928.9	1932.7	1932.7	1918.8	1913.7
12.5°	1913.7	1911.2	1893.5	1901.1	1917.5	1927.6	1947.8	1960.4	1980.6	1965.5	1957.9
15°	1884.7	1891.0	1898.6	1901.1	1931.4	1954.1	1973.1	1995.8	2029.9	2029.9	2027.3
17.5°	1893.5	1906.2	1915.0	1927.6	1956.7	1964.2	1990.7	2027.3	2084.2	2087.9	2094.3
20°	1937.7	1937.7	1940.2	1949.1	1974.3	1997.1	2019.8	2066.5	2132.1	2153.6	2159.9
22.5°	1985.7	1983.2	1994.5	1993.3	2013.5	2028.6	2057.6	2098.0	2180.1	2220.5	2236.9
25°	2024.8	2032.4	2042.5	2029.9	2069.0	2075.3	2098.0	2147.3	2234.4	2306.3	2341.7
27.5°	2091.7	2096.8	2094.3	2100.6	2139.7	2143.5	2164.9	2235.6	2316.4	2414.9	2491.9
30°	2206.6	2188.9	2191.5	2205.3	2262.1	2269.7	2292.4	2360.6	2425.0	2555.0	2676.2
32.5°	2364.4	2364.4	2336.6	2363.1	2428.8	2449.0	2483.1	2585.3	2648.4	2717.9	2917.3
35°	2666.1	2666.1	2645.9	2576.5	2609.3	2659.8	2722.9	2864.3	3058.7	3285.9	3498.0
37.5°	3166.0	3158.4	3078.9	2953.9	2883.2	2900.9	2962.8	3191.2	3506.8	4061.0	4223.8
40°	3763.1	3741.6	3592.7	3418.5	3237.9	3207.7	3236.7	3523.2	3972.6	4794.4	4856.3
42.5°	4293.3	4292.0	4073.6	3925.9	3694.9	3644.4	3610.3	3859.0	4439.7	5327.2	5348.6
45°	4799.5	4786.9	4574.8	4414.5	4203.7	4074.9	4066.1	4240.3	4930.8	5806.8	5716.0
47.5°	5250.1	5269.1	5031.8	4877.8	4644.2	4555.8	4485.2	4634.1	5382.7	6215.9	6027.8
50°	5769.0	5803.1	5448.3	5279.2	5043.1	4956.0	4995.2	5105.0	5833.4	6550.4	6305.5
52.5°	6424.1	6315.6	5963.4	5673.0	5453.4	5410.5	5419.3	5572.0	6354.7	6824.3	6498.6
55°	7195.4	7035.1	6681.7	6228.5	5870.0	5829.6	5825.8	5981.1	6836.9	7080.6	6647.6
57.5°	7485.8	7569.1	7430.2	7095.7	6462.0	6343.3	6251.2	6395.1	7269.9	7363.3	6804.1
60°	8156.1	8245.7	8143.5	7928.9	7714.3	7301.5	6897.5	6883.6	7673.9	7633.5	6869.8
62.5°	8230.6	8201.5	8656.0	8731.7	8859.2	8698.9	8399.7	7531.2	8038.7	7771.1	6921.5
65°	7814.0	7817.8	8427.5	8844.1	9725.2	9807.3	9621.7	8561.3	8312.6	7825.4	6884.9
67.5°	6723.3	6797.8	7353.2	8351.8	10109.0	10216.3	10059.7	9648.2	8460.3	7844.3	6725.8
70°	5777.8	5780.3	6305.5	7523.7	9907.0	9987.8	9915.8	9718.9	8403.5	7694.1	6294.1
72.5°	4547.0	4533.1	4993.9	6224.7	9193.8	9365.4	9326.3	9461.4	8195.2	7151.3	5354.9
75°	3283.4	3311.2	3778.2	4794.4	7908.7	8441.4	8630.7	9042.3	7453.0	6073.2	3925.9
77.5°	2298.8	2326.5	2774.7	3641.9	6382.5	7025.0	7329.2	7690.3	6040.4	4501.6	2012.2
80°	1503.5	1528.7	1913.7	2735.5	4757.8	5305.7	5534.2	5318.3	3547.2	1891.0	220.9
82.5°	873.6	922.8	1215.7	1877.1	3333.9	3593.9	3606.6	2798.6	1325.5	169.2	103.5
85°	425.4	457.0	727.1	1113.4	1824.1	1917.5	1778.7	1041.4	309.3	80.8	59.3
87.5°	63.1	83.3	286.6	420.4	309.3	253.7	152.7	35.3	20.2	10.1	7.6
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°	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5	1840.5
2.5°	1821.6	1820.3	1824.1	1807.7	1809.0	1788.8	1781.2	1777.4	1795.1	1792.5	1805.2
5°	1844.3	1831.7	1830.4	1790.0	1786.2	1761.0	1745.8	1723.1	1740.8	1737.0	1737.0
7.5°	1858.2	1845.6	1838.0	1790.0	1757.2	1713.0	1687.8	1670.1	1668.8	1665.1	1666.3
10°	1880.9	1874.6	1834.2	1781.2	1737.0	1680.2	1632.2	1604.5	1591.8	1593.1	1584.3
12.5°	1931.4	1918.8	1864.5	1801.4	1730.7	1652.4	1590.6	1541.3	1516.1	1511.0	1497.2
15°	2003.4	1989.5	1921.3	1849.4	1747.1	1655.0	1562.8	1475.7	1432.8	1415.1	1402.5
17.5°	2087.9	2066.5	1988.2	1906.2	1781.2	1652.4	1536.3	1418.9	1336.8	1290.1	1286.3
20°	2154.8	2144.7	2055.1	1966.8	1802.6	1636.0	1492.1	1336.8	1214.4	1128.5	1110.9
22.5°	2243.2	2244.5	2144.7	2012.2	1820.3	1608.2	1422.7	1222.0	1055.3	940.5	920.3
25°	2370.7	2351.8	2239.4	2048.8	1824.1	1576.7	1328.0	1078.1	860.9	732.2	709.4
27.5°	2523.5	2495.7	2316.4	2067.7	1807.7	1513.6	1201.8	890.0	636.2	525.1	507.5
30°	2685.0	2619.4	2379.5	2075.3	1757.2	1411.3	1022.5	650.1	450.7	372.4	364.8
32.5°	2892.1	2796.1	2433.8	2050.1	1680.2	1256.0	792.8	445.6	311.8	270.1	272.7
35°	3316.2	3081.4	2518.4	2022.3	1571.6	1061.6	554.2	295.4	241.1	236.1	237.3
37.5°	3957.5	3585.1	2667.4	1981.9	1410.1	811.7	356.0	228.5	229.7	229.7	229.7
40°	4577.3	4135.5	2895.8	1902.4	1211.9	568.1	234.8	215.9	222.2	220.9	222.2
42.5°	5019.1	4544.5	3135.7	1805.2	983.4	359.8	210.8	203.2	207.0	205.8	209.6
45°	5377.6	4895.4	3354.1	1667.6	736.0	234.8	207.0	193.1	189.4	188.1	191.9
47.5°	5642.7	5126.4	3510.6	1495.9	491.1	202.0	198.2	178.0	172.9	172.9	174.2
50°	5900.3	5348.6	3557.3	1300.2	303.0	196.9	186.8	165.4	157.8	155.3	157.8
52.5°	6079.5	5424.4	3567.4	1079.3	203.2	191.9	172.9	150.2	141.4	140.1	141.4
55°	6232.3	5579.6	3485.4	804.1	181.8	180.5	160.3	135.1	125.0	130.0	132.5
57.5°	6270.1	5594.8	3321.3	531.5	180.5	165.4	146.4	121.2	113.6	118.7	119.9
60°	6366.1	5532.9	3116.8	327.0	176.7	147.7	130.0	107.3	102.3	103.5	106.0
62.5°	6284.0	5498.8	2767.1	228.5	162.8	135.1	121.2	98.5	89.6	88.4	88.4
65°	6200.7	5298.1	2115.7	189.4	145.2	126.2	109.8	87.1	77.0	72.0	72.0
67.5°	5935.6	4848.7	1208.1	175.5	131.3	116.1	99.7	79.5	66.9	60.6	58.1
70°	5267.8	3884.3	372.4	160.3	132.5	108.6	92.2	69.4	58.1	49.2	48.0
72.5°	4125.4	2428.8	174.2	141.4	136.3	101.0	85.8	64.4	51.8	41.7	40.4
75°	2427.5	581.9	142.6	104.8	116.1	107.3	84.6	61.9	45.4	34.1	32.8
77.5°	527.7	141.4	127.5	70.7	87.1	103.5	80.8	54.3	40.4	26.5	25.2
80°	127.5	111.1	116.1	54.3	58.1	72.0	65.6	46.7	36.6	21.5	20.2
82.5°	85.8	83.3	102.3	34.1	29.0	26.5	27.8	29.0	30.3	16.4	15.1
85°	56.8	72.0	54.3	18.9	16.4	13.9	13.9	12.6	17.7	10.1	10.1
87.5°	8.8	7.6	8.8	7.6	7.6	6.3	5.0	5.0	3.8	5.0	5.0
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)