

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: P553564

Luminaire Tested: **VERD-G-CA2-150-730-U-T4-HSS**

Issue Date: 7/12/2021

Test Information

Test Method: LM-79-08
Report Number: P553564
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-155-7)
Test Lab: INNOVATION CENTER
Issue Date: 7/12/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VERD-G-CA2-150-730-U-T4-HSS
Description: VERDEON-G ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 1380mA LEDS AND TYPE IV OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18929 lumens
Efficiency: N/A
Efficacy: 124.4 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

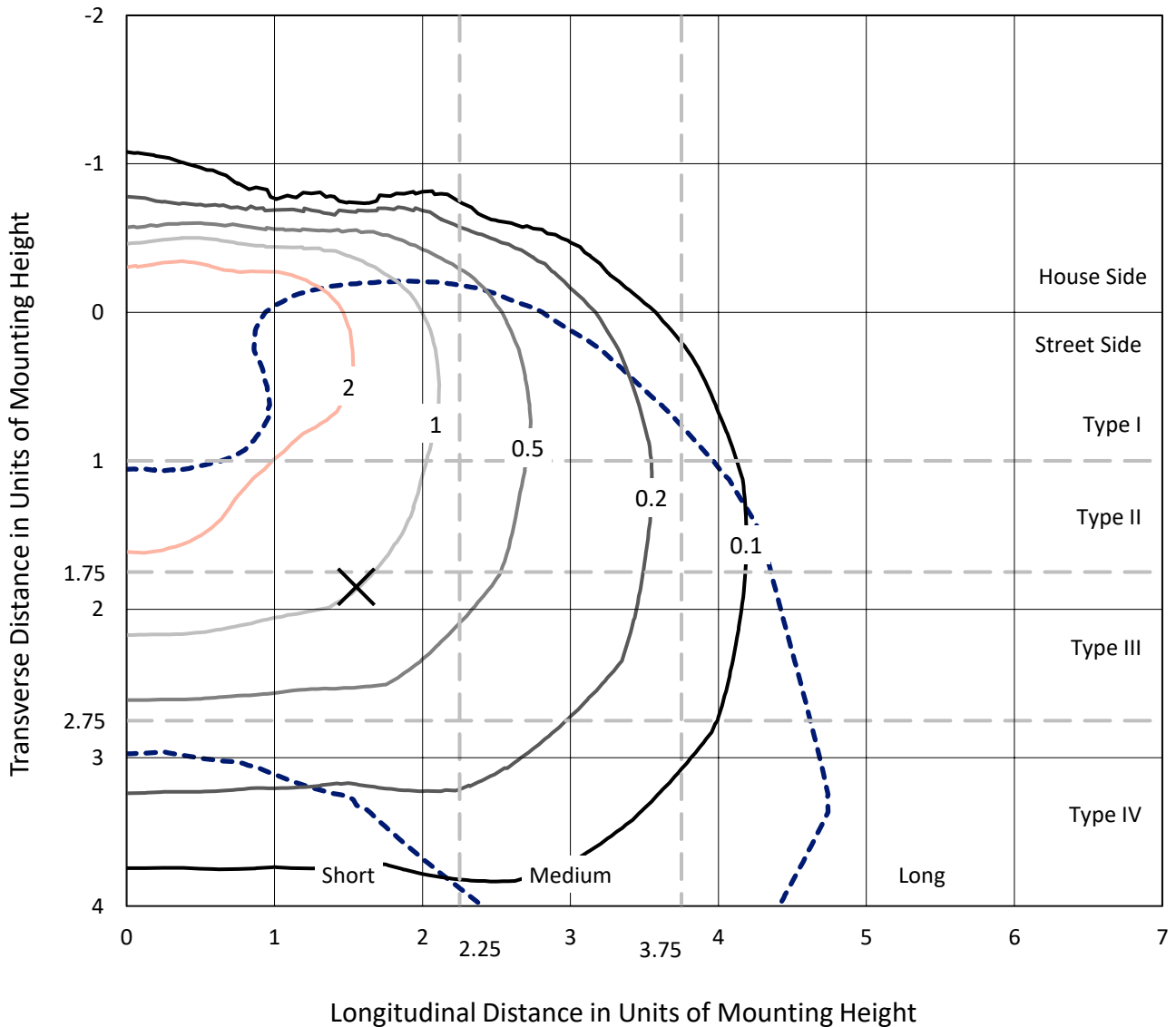
Input Watts (W): 152.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P553564
 CATALOG NUMBER: VERD-G-CA2-150-730-U-T4-HSS

Iso-Footcandle Lines of Horizontal Illumination

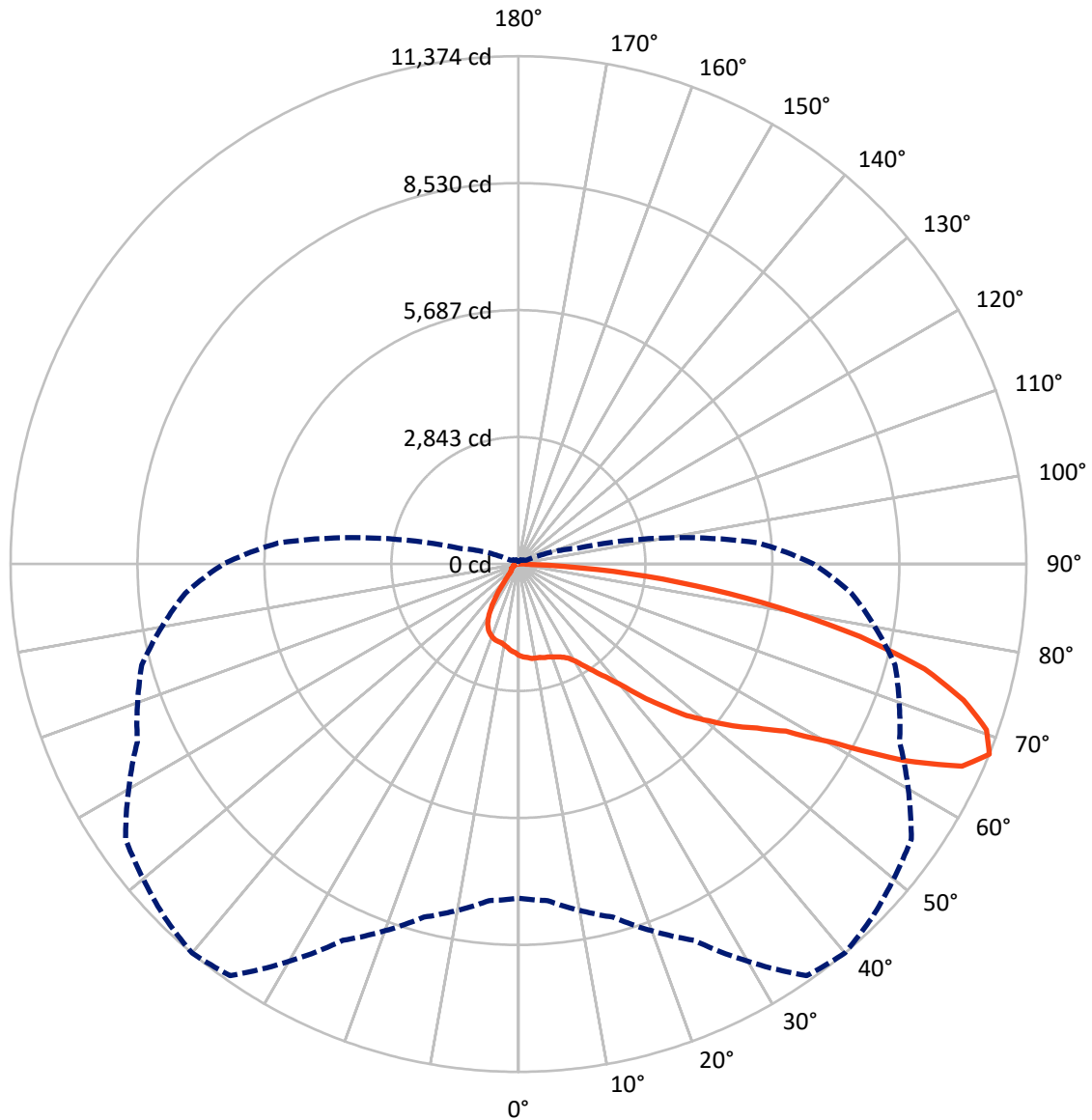
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P553564
CATALOG NUMBER: VERD-G-CA2-150-730-U-T4-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P553564

CATALOG NUMBER: VERD-G-CA2-150-730-U-T4-HSS

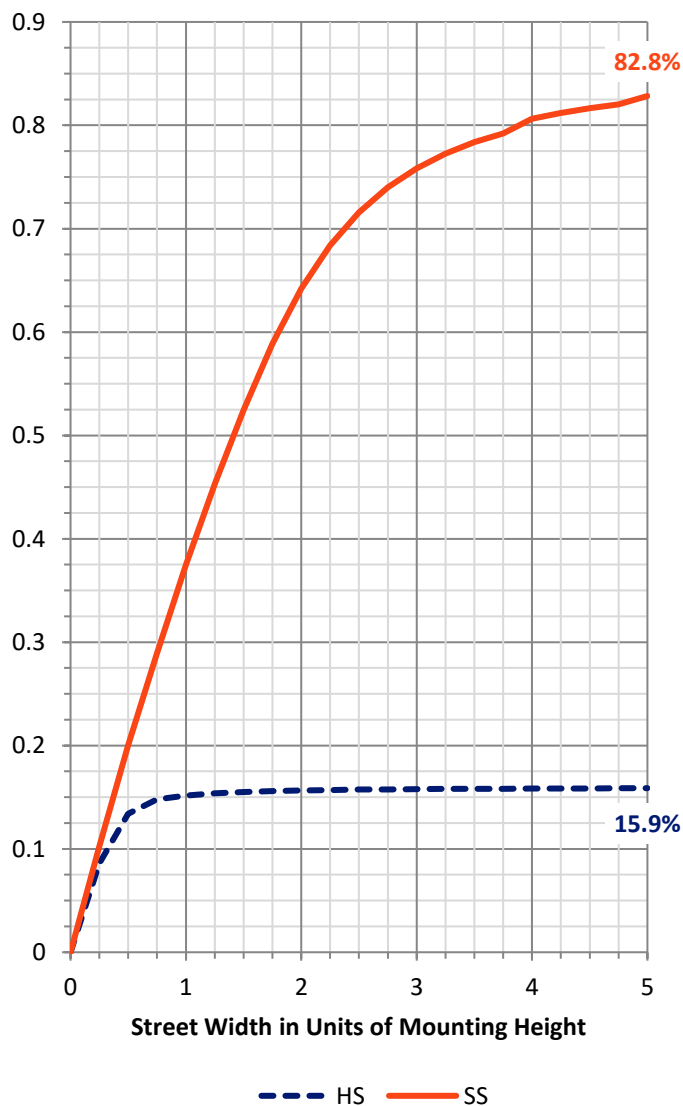
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3037.8	0.0	3037.8
	% Fixture	16.0	0.0	16.0
Street Side	Lumens	15891.2	0.0	15891.2
	% Fixture	84.0	0.0	84.0
Total	Lumens	18929.0	0.0	18929.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.9	1.0
10°-20°	575.1	3.0
20°-30°	956.8	5.1
30°-40°	1504.5	7.9
40°-50°	2605.0	13.8
50°-60°	3850.7	20.3
60°-70°	5006.2	26.4
70°-80°	3583.3	18.9
80°-90°	653.4	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°	18929.0	100.0
0°-180°	18929.0	100.0

Coefficient of Utilization



REPORT NUMBER: P553564

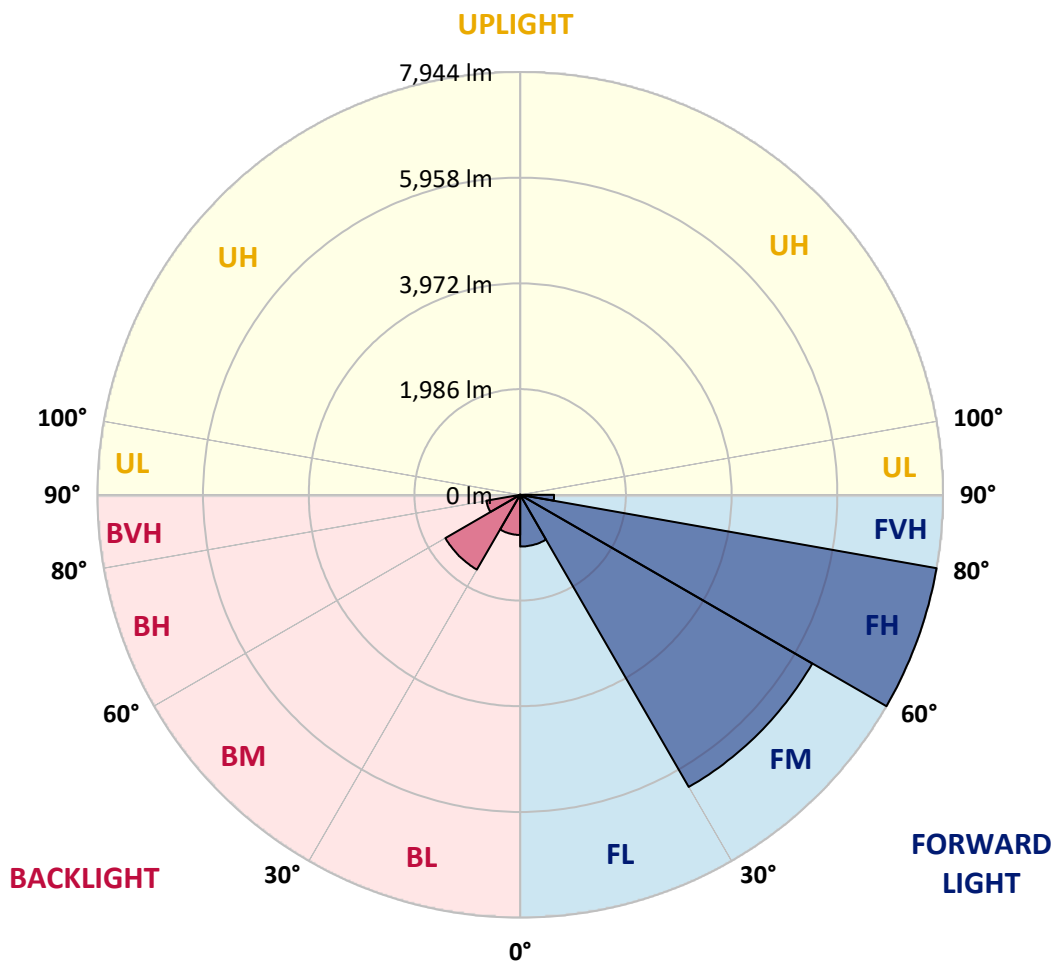
CATALOG NUMBER: VERD-G-CA2-150-730-U-T4-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	972.2	5.1			
FM (30°-60°)	6337.5	33.5			
FH (60°-80°)	7944.0	42.0			G4/12000
FVH (80°-90°)	637.4	3.4			G4/750
BL (0°-30°)	753.6	4.0	B2/1000		
BM (30°-60°)	1622.7	8.6	B2/2500		
BH (60°-80°)	645.4	3.4	B2/1000		G2/1000
BVH (80°-90°)	16.1	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-G4

Type IV Short





REPORT NUMBER: P553564

CATALOG NUMBER: VERD-G-CA2-150-730-U-T4-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2049.0	2049.0	2049.0	2049.0	2049.0	2049.0	2049.0	2049.0	2049.0	2049.0	2049.0
2.5°	2131.9	2130.5	2116.5	2109.4	2089.8	2082.7	2084.1	2075.7	2056.0	2058.8	2039.2
5°	2134.7	2144.6	2123.5	2117.9	2110.8	2102.4	2112.2	2101.0	2084.1	2089.8	2068.7
7.5°	2147.4	2151.6	2141.8	2136.1	2119.3	2136.1	2134.7	2124.9	2113.6	2103.8	2095.4
10°	2151.6	2147.4	2127.7	2123.5	2123.5	2140.3	2147.4	2151.6	2151.6	2136.1	2130.5
12.5°	2130.5	2127.7	2108.0	2116.5	2134.7	2146.0	2168.5	2182.5	2205.0	2188.1	2179.7
15°	2098.2	2105.2	2113.6	2116.5	2150.2	2175.5	2196.6	2221.9	2259.8	2259.8	2257.0
17.5°	2108.0	2122.1	2131.9	2146.0	2178.3	2186.7	2216.2	2257.0	2320.2	2324.4	2331.5
20°	2157.2	2157.2	2160.0	2169.9	2198.0	2223.3	2248.6	2300.6	2373.6	2397.5	2404.6
22.5°	2210.6	2207.8	2220.5	2219.0	2241.5	2258.4	2290.7	2335.7	2427.0	2472.0	2490.3
25°	2254.2	2262.6	2273.9	2259.8	2303.4	2310.4	2335.7	2390.5	2487.5	2567.6	2606.9
27.5°	2328.7	2334.3	2331.5	2338.5	2382.1	2386.3	2410.2	2488.9	2578.8	2688.4	2774.2
30°	2456.6	2436.9	2439.7	2455.1	2518.4	2526.8	2552.1	2628.0	2699.7	2844.4	2979.3
32.5°	2632.2	2632.2	2601.3	2630.8	2703.9	2726.4	2764.3	2878.2	2948.4	3025.7	3247.8
35°	2968.1	2968.1	2945.6	2868.3	2904.9	2961.1	3031.3	3188.7	3405.2	3658.1	3894.2
37.5°	3524.6	3516.2	3427.6	3288.5	3209.8	3229.5	3298.4	3552.7	3904.1	4521.0	4702.3
40°	4189.3	4165.5	3999.6	3805.7	3604.7	3571.0	3603.3	3922.3	4422.6	5337.5	5406.4
42.5°	4779.6	4778.2	4535.1	4370.6	4113.5	4057.2	4019.3	4296.2	4942.6	5930.6	5954.5
45°	5343.1	5329.1	5093.0	4914.5	4679.8	4536.5	4526.6	4720.6	5489.3	6464.6	6363.4
47.5°	5844.9	5865.9	5601.7	5430.3	5170.3	5071.9	4993.2	5159.0	5992.4	6919.9	6710.5
50°	6422.5	6460.4	6065.5	5877.2	5614.4	5517.4	5561.0	5683.2	6494.1	7292.4	7019.7
52.5°	7151.8	7031.0	6638.9	6315.6	6071.1	6023.3	6033.2	6203.2	7074.5	7597.3	7234.7
55°	8010.5	7832.0	7438.5	6934.0	6534.9	6489.9	6485.7	6658.5	7611.4	7882.6	7400.6
57.5°	8333.7	8426.5	8271.9	7899.5	7194.0	7061.9	6959.3	7119.5	8093.4	8197.4	7574.8
60°	9080.0	9179.7	9065.9	8827.0	8588.1	8128.5	7678.8	7663.4	8543.1	8498.2	7647.9
62.5°	9162.9	9130.6	9636.5	9720.8	9862.7	9684.3	9351.2	8384.3	8949.3	8651.3	7705.5
65°	8699.1	8703.3	9382.1	9845.9	10826.8	10918.2	10711.6	9531.1	9254.2	8711.8	7664.8
67.5°	7484.9	7567.8	8186.2	9297.8	11254.0	11373.5	11199.2	10741.1	9418.7	8732.8	7487.7
70°	6432.3	6435.1	7019.7	8375.9	11029.2	11119.1	11039.0	10819.8	9355.4	8565.6	7007.1
72.5°	5062.1	5046.6	5559.6	6929.8	10235.2	10426.3	10382.7	10533.1	9123.5	7961.3	5961.5
75°	3655.3	3686.2	4206.2	5337.5	8804.5	9397.6	9608.4	10066.5	8297.2	6761.1	4370.6
77.5°	2559.1	2590.1	3089.0	4054.4	7105.5	7820.8	8159.5	8561.4	6724.6	5011.5	2240.1
80°	1673.8	1701.9	2130.5	3045.4	5296.8	5906.7	6161.1	5920.7	3949.0	2105.2	245.9
82.5°	972.5	1027.3	1353.4	2089.8	3711.5	4001.0	4015.1	3115.7	1475.6	188.3	115.2
85°	473.6	508.7	809.5	1239.5	2030.7	2134.7	1980.1	1159.4	344.3	89.9	66.1
87.5°	70.3	92.8	319.0	468.0	344.3	282.5	170.0	39.3	22.5	11.2	8.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P553564

CATALOG NUMBER: VERD-G-CA2-150-730-U-T4-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2049.0	2049.0	2049.0	2049.0	2049.0	2049.0	2049.0	2049.0	2049.0	2049.0	2049.0
2.5°	2027.9	2026.5	2030.7	2012.5	2013.9	1991.4	1982.9	1978.7	1998.4	1995.6	2009.7
5°	2053.2	2039.2	2037.8	1992.8	1988.6	1960.5	1943.6	1918.3	1938.0	1933.8	1933.8
7.5°	2068.7	2054.6	2046.2	1992.8	1956.2	1907.1	1879.0	1859.3	1857.9	1853.7	1855.1
10°	2094.0	2086.9	2042.0	1982.9	1933.8	1870.5	1817.1	1786.2	1772.1	1773.6	1763.7
12.5°	2150.2	2136.1	2075.7	2005.4	1926.7	1839.6	1770.7	1715.9	1687.8	1682.2	1666.7
15°	2230.3	2214.8	2138.9	2058.8	1945.0	1842.4	1739.8	1642.9	1595.1	1575.4	1561.3
17.5°	2324.4	2300.6	2213.4	2122.1	1982.9	1839.6	1710.3	1579.6	1488.3	1436.3	1432.1
20°	2398.9	2387.7	2287.9	2189.5	2006.8	1821.3	1661.1	1488.3	1351.9	1256.4	1236.7
22.5°	2497.3	2498.7	2387.7	2240.1	2026.5	1790.4	1583.8	1360.4	1174.9	1047.0	1024.5
25°	2639.2	2618.2	2493.1	2280.9	2030.7	1755.3	1478.4	1200.2	958.4	815.1	789.8
27.5°	2809.3	2778.4	2578.8	2302.0	2012.5	1685.0	1337.9	990.8	708.3	584.6	565.0
30°	2989.2	2916.1	2649.1	2310.4	1956.2	1571.2	1138.3	723.8	501.7	414.6	406.1
32.5°	3219.7	3112.9	2709.5	2282.3	1870.5	1398.3	882.6	496.1	347.1	300.7	303.6
35°	3691.9	3430.5	2803.7	2251.4	1749.7	1181.9	616.9	328.9	268.4	262.8	264.2
37.5°	4405.8	3991.2	2969.5	2206.4	1569.8	903.6	396.3	254.4	255.8	255.8	255.8
40°	5095.8	4603.9	3223.9	2117.9	1349.1	632.4	261.4	240.3	247.3	245.9	247.3
42.5°	5587.7	5059.3	3490.9	2009.7	1094.8	400.5	234.7	226.3	230.5	229.1	233.3
45°	5986.8	5449.9	3734.0	1856.5	819.3	261.4	230.5	215.0	210.8	209.4	213.6
47.5°	6281.9	5707.1	3908.3	1665.3	546.7	224.9	220.6	198.2	192.5	192.5	193.9
50°	6568.6	5954.5	3960.3	1447.5	337.3	219.2	208.0	184.1	175.7	172.9	175.7
52.5°	6768.2	6038.8	3971.5	1201.6	226.3	213.6	192.5	167.2	157.4	156.0	157.4
55°	6938.2	6211.6	3880.2	895.2	202.4	201.0	178.5	150.4	139.1	144.8	147.6
57.5°	6980.4	6228.5	3697.5	591.7	201.0	184.1	163.0	134.9	126.5	132.1	133.5
60°	7087.2	6159.7	3469.8	364.0	196.7	164.4	144.8	119.5	113.8	115.2	118.0
62.5°	6995.8	6121.7	3080.5	254.4	181.3	150.4	134.9	109.6	99.8	98.4	98.4
65°	6903.1	5898.3	2355.4	210.8	161.6	140.5	122.3	97.0	85.7	80.1	80.1
67.5°	6608.0	5398.0	1344.9	195.3	146.2	129.3	111.0	88.5	74.5	67.5	64.6
70°	5864.5	4324.3	414.6	178.5	147.6	120.9	102.6	77.3	64.6	54.8	53.4
72.5°	4592.7	2703.9	193.9	157.4	151.8	112.4	95.6	71.7	57.6	46.4	45.0
75°	2702.5	647.9	158.8	116.6	129.3	119.5	94.2	68.9	50.6	37.9	36.5
77.5°	587.4	157.4	141.9	78.7	97.0	115.2	89.9	60.4	45.0	29.5	28.1
80°	141.9	123.7	129.3	60.4	64.6	80.1	73.1	52.0	40.8	23.9	22.5
82.5°	95.6	92.8	113.8	37.9	32.3	29.5	30.9	32.3	33.7	18.3	16.9
85°	63.2	80.1	60.4	21.1	18.3	15.5	15.5	14.1	19.7	11.2	11.2
87.5°	9.8	8.4	9.8	8.4	8.4	7.0	5.6	5.6	4.2	5.6	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)