

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: P691962

Luminaire Tested: **CRTK2-C01HO-D-U-T2-8027-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T2-8027-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9557 lumens
Efficiency: N/A
Efficacy: 121.0 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 79
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

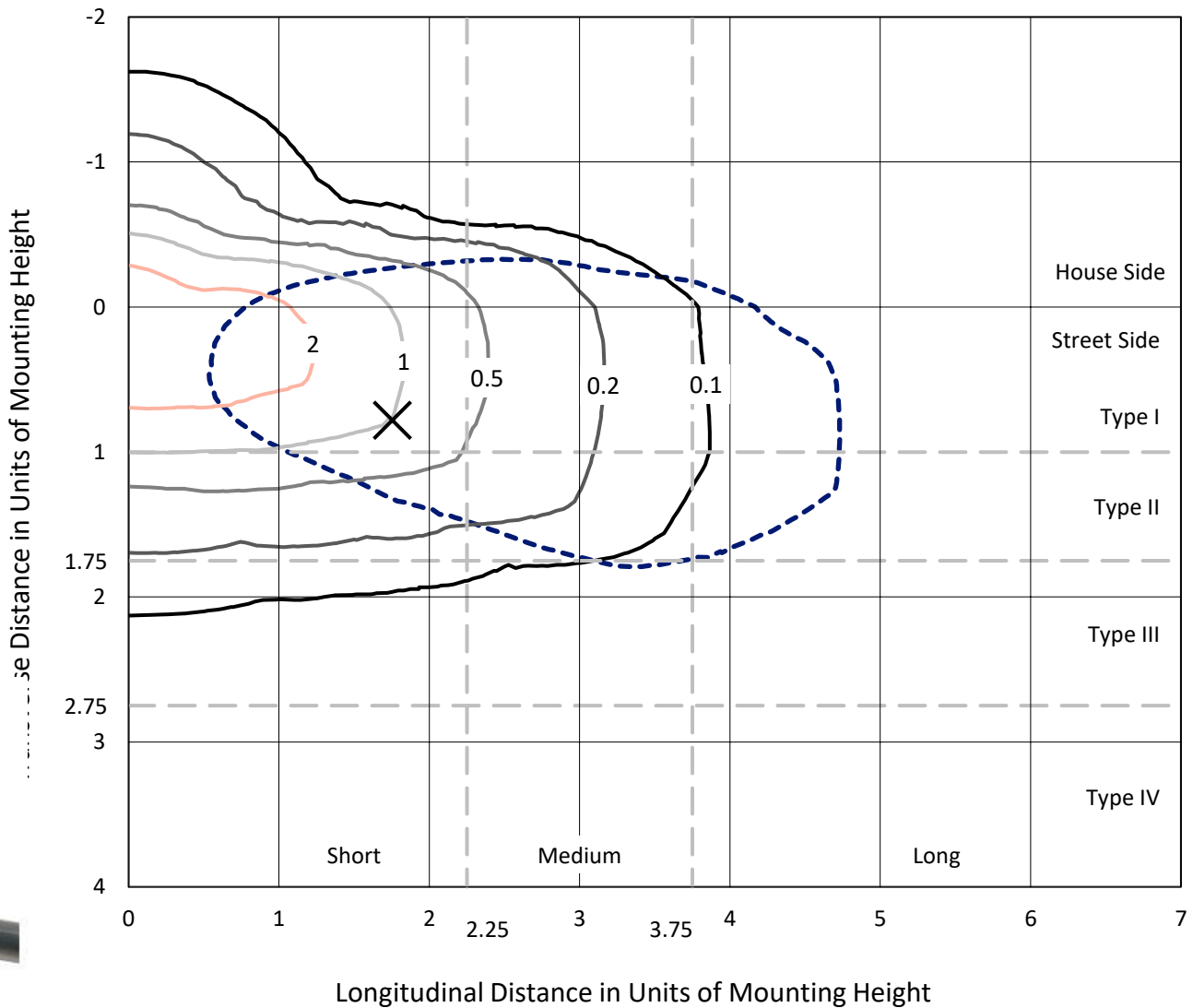


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Iso-Footcandle Lines of Horizontal Illumination

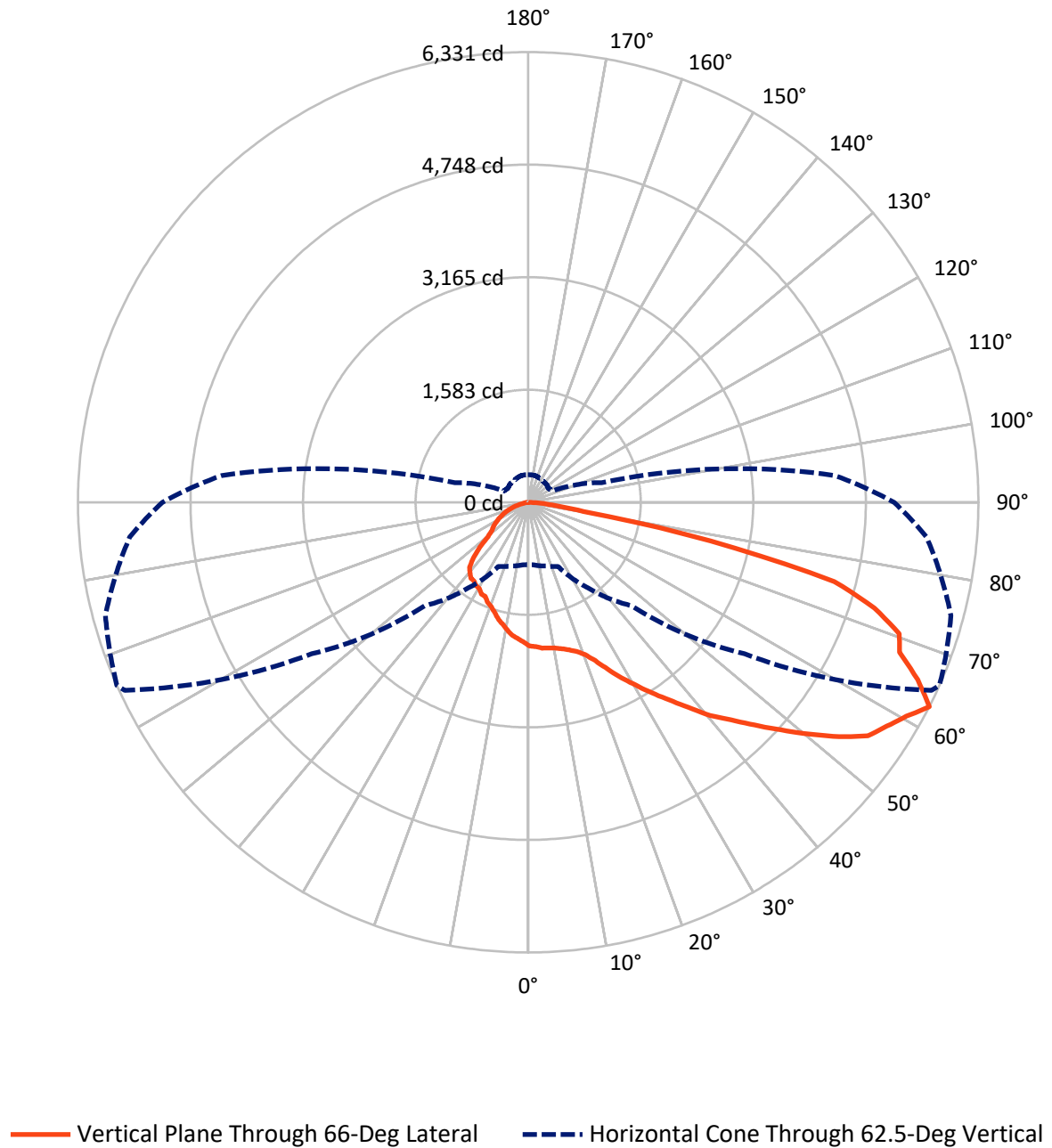
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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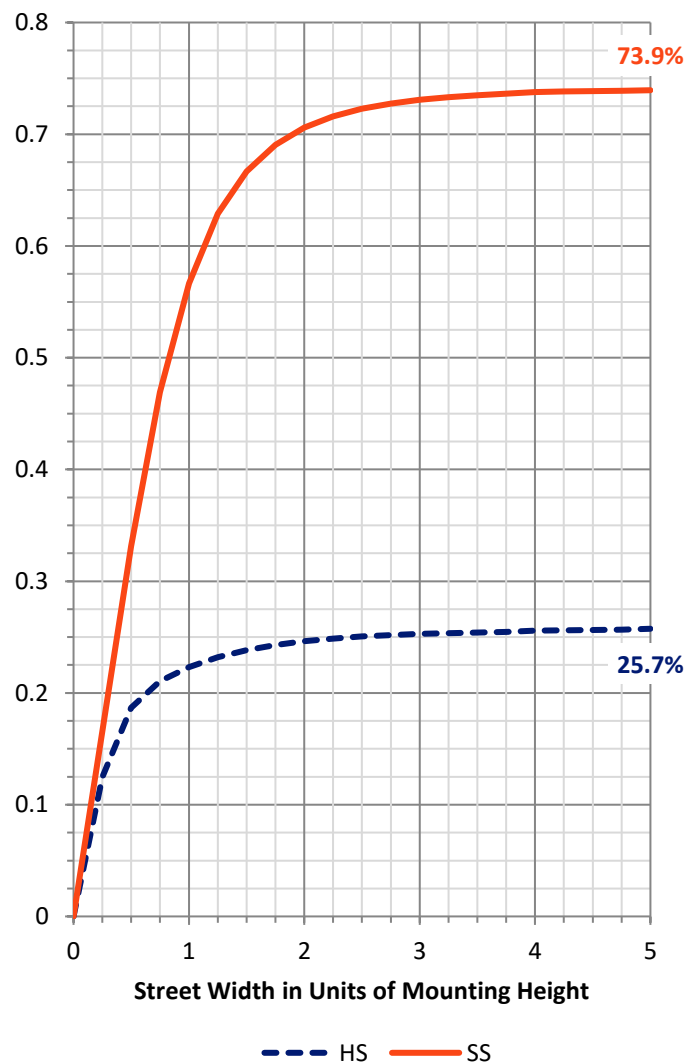
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2497.2	0.0	2497.2
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	7059.8	0.0	7059.8
	% Fixture	73.9	0.0	73.9
Total	Lumens	9557.0	0.0	9557.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.1	2.0
10°-20°	536.7	5.6
20°-30°	871.5	9.1
30°-40°	1256.9	13.2
40°-50°	1634.9	17.1
50°-60°	1899.0	19.9
60°-70°	1878.8	19.7
70°-80°	1163.8	12.2
80°-90°	126.4	1.3
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°	9557.0	100.0
0°-180°	9557.0	100.0

Coefficient of Utilization



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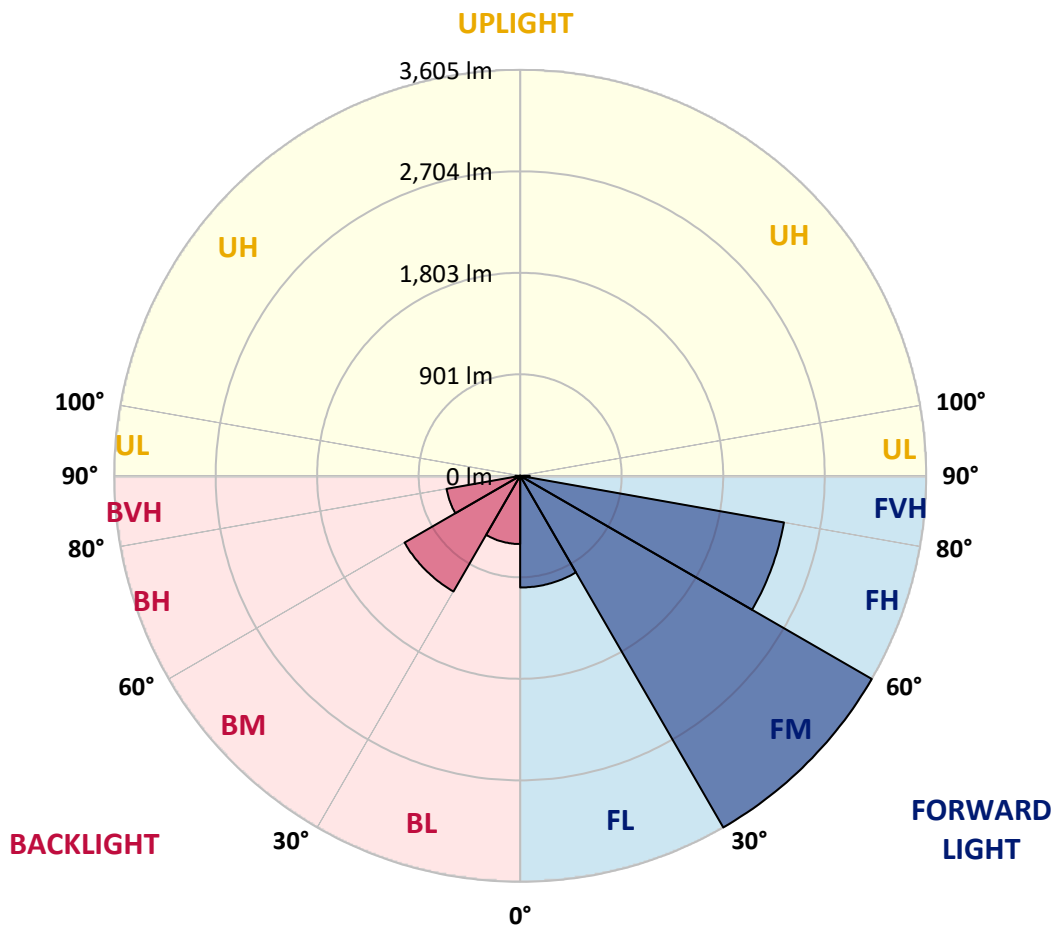
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	991.5	10.4			
FM	(30°-60°)	3605.1	37.7			
FH	(60°-80°)	2378.5	24.9			G2/5000
FVH	(80°-90°)	84.8	0.9			G1/100
BL	(0°-30°)	605.8	6.3	B2/1000		
BM	(30°-60°)	1185.7	12.4	B2/2500		
BH	(60°-80°)	664.1	6.9	B2/1000		G2/1000
BVH	(80°-90°)	41.6	0.4			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°	66°	75°	85°
0°	2021.5	2021.5	2021.5	2021.5	2021.5	2021.5	2021.5	2021.5	2021.5	2021.5	2021.5
2.5°	2093.9	2093.9	2100.4	2077.4	2064.3	2054.4	2044.5	2034.7	2031.4	2021.5	2008.4
5°	2185.9	2185.9	2189.2	2166.2	2139.9	2110.3	2080.7	2061.0	2061.0	2038.0	2005.1
7.5°	2235.2	2235.2	2235.2	2208.9	2192.5	2172.7	2126.7	2070.8	2067.6	2044.5	1998.5
10°	2235.2	2235.2	2248.3	2208.9	2195.8	2176.0	2149.7	2090.6	2084.0	2031.4	1968.9
12.5°	2274.6	2281.2	2274.6	2231.9	2218.8	2202.3	2166.2	2116.9	2113.6	2044.5	1955.8
15°	2330.5	2333.8	2323.9	2294.4	2281.2	2254.9	2212.2	2159.6	2153.0	2070.8	1965.7
17.5°	2343.7	2347.0	2353.5	2317.4	2317.4	2307.5	2284.5	2222.0	2205.6	2133.3	1995.2
20°	2337.1	2340.4	2350.2	2343.7	2347.0	2340.4	2356.8	2304.2	2284.5	2205.6	2041.3
22.5°	2366.7	2373.3	2393.0	2396.3	2409.4	2422.6	2429.1	2432.4	2419.3	2327.2	2136.6
25°	2376.5	2396.3	2422.6	2458.7	2504.7	2531.0	2567.2	2603.3	2600.1	2508.0	2294.4
27.5°	2330.5	2353.5	2435.7	2491.6	2593.5	2665.8	2748.0	2797.3	2797.3	2721.7	2475.2
30°	2373.3	2383.1	2425.8	2504.7	2623.1	2787.4	2915.6	2978.1	2984.6	2935.3	2652.7
32.5°	2284.5	2307.5	2412.7	2563.9	2744.7	2925.5	3053.7	3188.4	3195.0	3178.6	2912.3
35°	2274.6	2287.8	2347.0	2508.0	2741.4	3053.7	3224.6	3395.5	3412.0	3431.7	3165.4
37.5°	2172.7	2199.0	2314.1	2514.6	2833.4	3139.1	3369.2	3632.2	3658.5	3720.9	3382.4
40°	2064.3	2084.0	2179.3	2396.3	2803.9	3247.6	3510.6	3911.6	3944.5	3997.1	3681.5
42.5°	1916.4	1955.8	2120.1	2347.0	2790.7	3280.5	3668.4	4168.0	4181.1	4273.2	3918.2
45°	1778.3	1791.4	1916.4	2176.0	2675.7	3329.8	3786.7	4457.2	4467.1	4526.3	4115.4
47.5°	1666.5	1683.0	1811.2	2031.4	2570.5	3316.6	3905.0	4736.6	4782.7	4848.4	4355.3
50°	1321.4	1357.6	1696.1	1906.5	2389.7	3293.6	4000.3	5071.9	5124.5	5187.0	4611.7
52.5°	1140.6	1157.0	1328.0	1781.6	2212.2	3195.0	4089.1	5413.8	5476.2	5443.4	4937.2
55°	1061.7	1071.6	1150.5	1535.1	2054.4	3007.7	4154.8	5732.6	5798.4	5640.6	5193.5
57.5°	1005.8	1019.0	1065.0	1255.7	1876.9	2678.9	4161.4	5920.0	5943.0	5804.9	5298.7
60°	930.2	940.1	1005.8	1097.9	1669.8	2333.8	4043.1	6002.2	6110.6	5979.2	5535.4
62.5°	874.4	884.2	926.9	996.0	1469.3	2057.7	3714.4	6258.6	6330.9	6153.4	5624.1
65°	808.6	808.6	851.3	920.4	1341.1	1890.1	3543.4	6176.4	6018.6	6104.1	5732.6
67.5°	713.3	719.9	762.6	818.5	1124.2	1729.0	3122.7	5795.1	5630.7	5867.4	5446.6
70°	634.4	627.8	673.8	716.6	920.4	1525.2	2586.9	5400.6	5535.4	5509.1	5183.7
72.5°	529.2	522.6	562.1	608.1	742.9	1265.5	2044.5	5012.8	5091.6	4927.3	4598.6
75°	410.9	371.4	427.3	486.5	585.1	1002.6	1449.6	4151.5	4447.4	4644.6	3921.5
77.5°	65.7	65.7	82.2	115.0	190.6	509.5	647.5	2281.2	2616.5	3954.3	3438.3
80°	52.6	52.6	59.2	78.9	115.0	279.4	216.9	706.7	788.9	1706.0	1978.8
82.5°	29.6	29.6	42.7	52.6	72.3	85.5	95.3	345.1	384.6	604.8	765.9
85°	16.4	16.4	23.0	26.3	29.6	29.6	29.6	157.8	177.5	322.1	348.4
87.5°	9.9	9.9	9.9	9.9	9.9	6.6	3.3	3.3	3.3	3.3	3.3
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°	2021.5	2021.5	2021.5	2021.5	2021.5	2021.5	2021.5	2021.5	2021.5	2021.5	2021.5
2.5°	2001.8	1992.0	1975.5	1962.4	1952.5	1942.6	1926.2	1916.4	1916.4	1932.8	1936.1
5°	1985.4	1962.4	1932.8	1919.6	1903.2	1886.8	1860.5	1847.3	1844.0	1853.9	1860.5
7.5°	1972.2	1939.4	1909.8	1876.9	1827.6	1784.9	1761.9	1745.4	1752.0	1768.4	1761.9
10°	1932.8	1903.2	1857.2	1807.9	1748.7	1712.6	1676.4	1656.7	1660.0	1669.8	1660.0
12.5°	1916.4	1876.9	1801.3	1742.1	1689.5	1620.5	1574.5	1544.9	1544.9	1561.4	1561.4
15°	1916.4	1857.2	1755.3	1683.0	1600.8	1531.8	1479.2	1452.9	1469.3	1459.5	1452.9
17.5°	1932.8	1840.8	1725.7	1604.1	1505.5	1436.4	1374.0	1337.8	1347.7	1354.3	1347.7
20°	1952.5	1840.8	1689.5	1541.6	1426.6	1328.0	1258.9	1219.5	1216.2	1219.5	1226.1
22.5°	2018.3	1883.5	1666.5	1502.2	1328.0	1232.6	1163.6	1094.6	1091.3	1088.0	1094.6
25°	2130.0	1962.4	1683.0	1429.9	1272.1	1130.7	1045.3	986.1	966.4	963.1	969.7
27.5°	2314.1	2100.4	1709.3	1420.0	1170.2	1042.0	936.8	871.1	851.3	857.9	854.6
30°	2514.6	2277.9	1784.9	1351.0	1111.0	910.5	811.9	756.0	736.3	723.2	726.4
32.5°	2662.5	2455.4	1880.2	1328.0	996.0	769.2	696.9	664.0	641.0	624.5	621.3
35°	2895.9	2606.6	1965.7	1275.4	894.1	677.1	618.0	581.8	568.7	558.8	558.8
37.5°	3119.4	2790.7	2051.1	1258.9	762.6	614.7	542.4	519.4	512.8	506.2	506.2
40°	3342.9	2978.1	2100.4	1193.2	657.4	539.1	470.0	466.8	476.6	470.0	473.3
42.5°	3619.0	3172.0	2149.7	1130.7	581.8	460.2	420.7	447.0	466.8	470.0	470.0
45°	3809.7	3303.5	2169.5	979.5	502.9	401.0	410.9	440.5	463.5	473.3	470.0
47.5°	3983.9	3481.0	2139.9	795.5	437.2	391.2	407.6	427.3	460.2	473.3	473.3
50°	4154.8	3628.9	2113.6	588.4	414.2	394.4	407.6	417.5	453.6	466.8	466.8
52.5°	4394.8	3747.2	2024.8	493.1	394.4	397.7	417.5	414.2	443.8	463.5	470.0
55°	4726.8	4023.4	1853.9	466.8	391.2	394.4	417.5	417.5	437.2	453.6	463.5
57.5°	4874.7	4141.7	1564.6	440.5	381.3	391.2	407.6	410.9	433.9	443.8	440.5
60°	5042.3	4289.6	1282.0	410.9	364.9	384.6	391.2	404.3	420.7	420.7	417.5
62.5°	5144.2	4325.8	1068.3	378.0	345.1	361.6	361.6	374.7	387.9	387.9	387.9
65°	5193.5	4289.6	798.8	348.4	322.1	335.3	332.0	338.6	348.4	332.0	332.0
67.5°	4999.6	4154.8	552.2	309.0	295.8	309.0	305.7	309.0	305.7	292.5	295.8
70°	4667.6	3776.8	381.3	263.0	259.7	282.7	286.0	279.4	259.7	249.8	249.8
72.5°	4250.2	3030.7	263.0	210.4	220.2	249.8	256.4	243.2	223.5	213.7	213.7
75°	3855.7	2619.8	187.4	144.6	147.9	190.6	203.8	203.8	197.2	263.0	279.4
77.5°	2682.2	1696.1	108.5	75.6	72.3	108.5	124.9	128.2	246.5	266.3	259.7
80°	1590.9	798.8	78.9	46.0	46.0	62.5	85.5	167.6	282.7	190.6	170.9
82.5°	608.1	305.7	49.3	29.6	26.3	32.9	49.3	259.7	164.4	108.5	98.6
85°	220.2	75.6	23.0	16.4	16.4	19.7	29.6	220.2	115.0	82.2	78.9
87.5°	3.3	3.3	6.6	6.6	6.6	3.3	3.3	6.6	6.6	6.6	3.3
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)