

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: P691762

Luminaire Tested: **CRTK2-C01H-5TLD-U-T2-7040-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691762
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-C01H-5TLD-U-T2-7040-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9720 lumens
Efficiency: N/A
Efficacy: 129.8 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 74.9
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



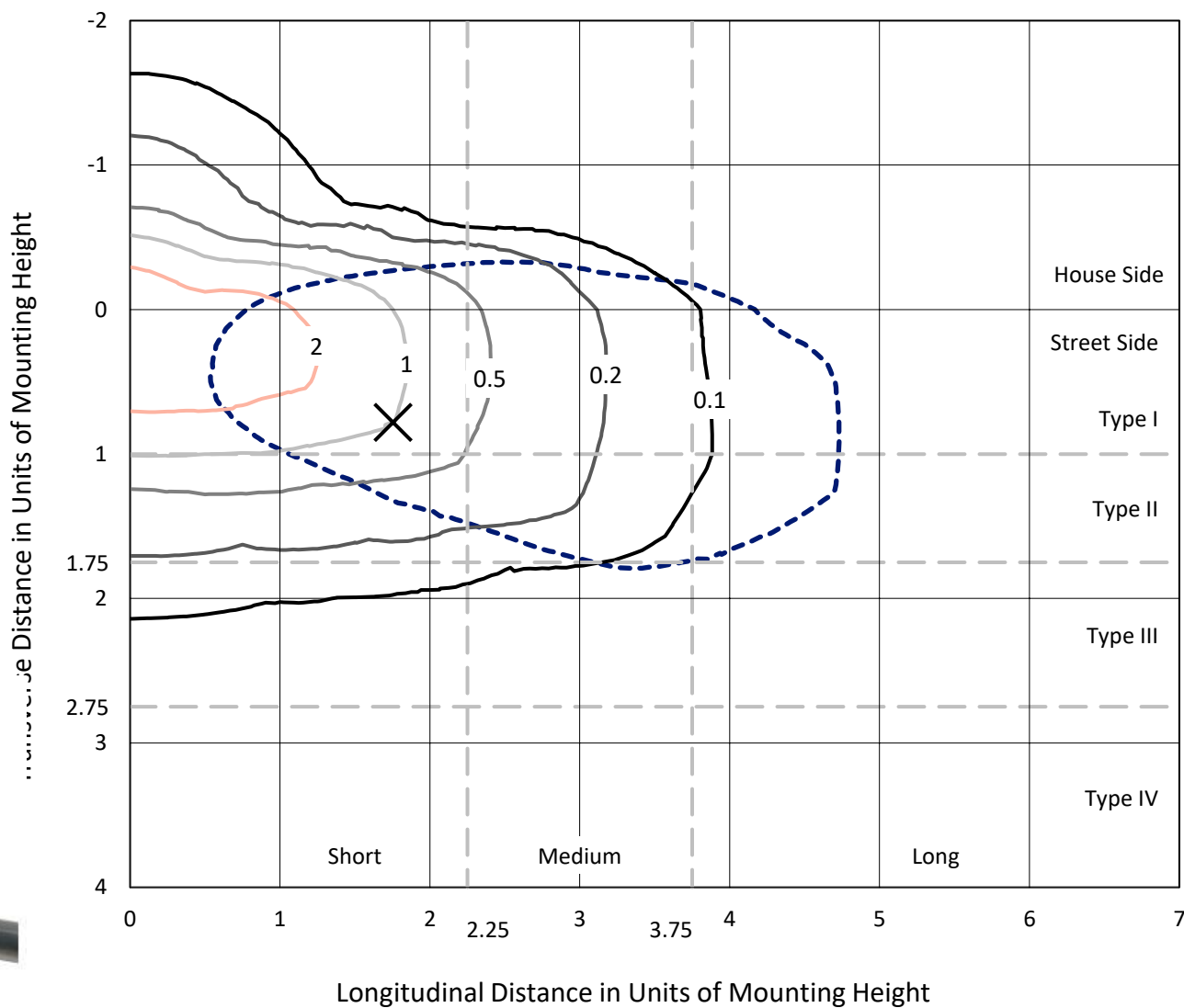
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

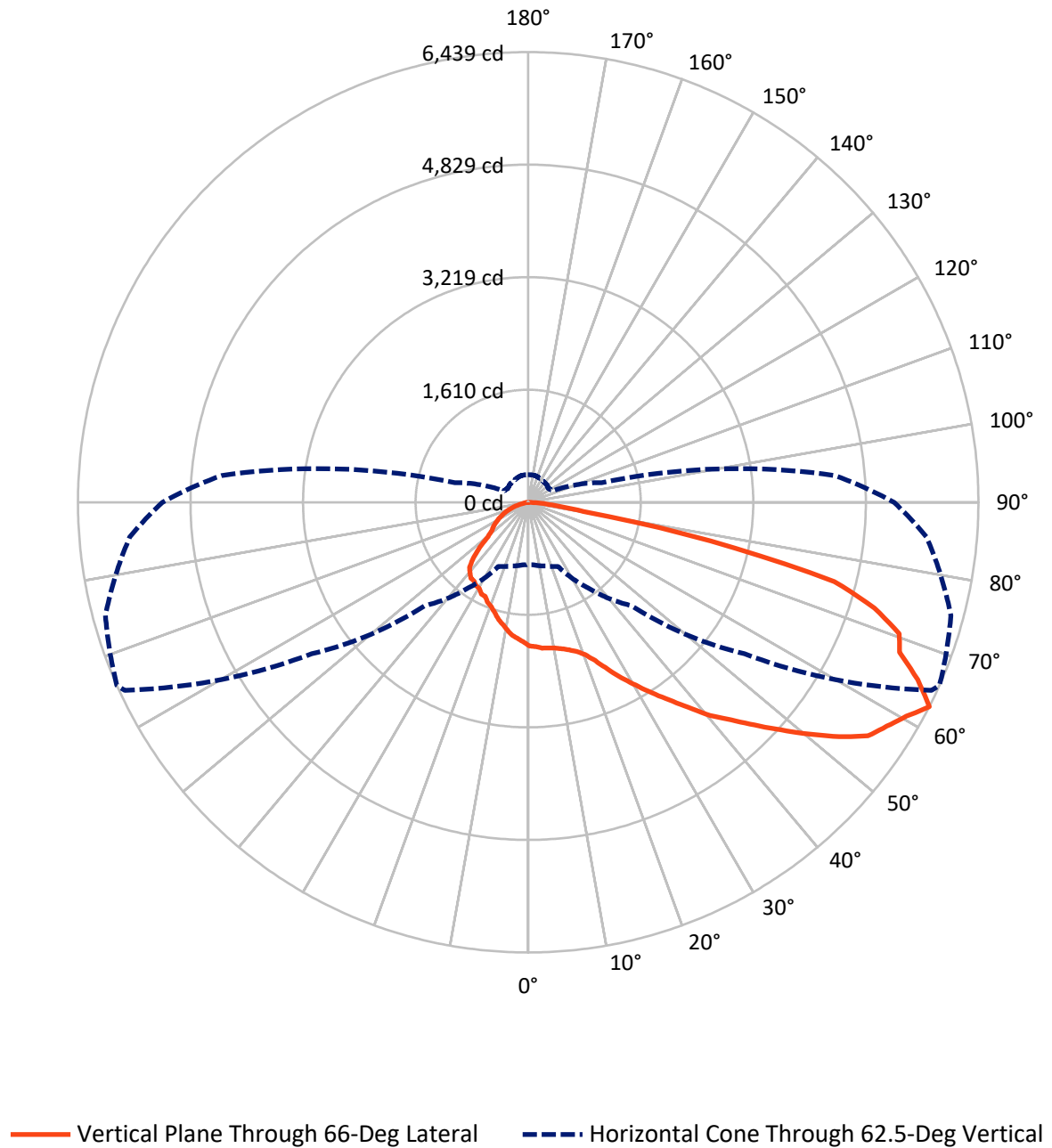


Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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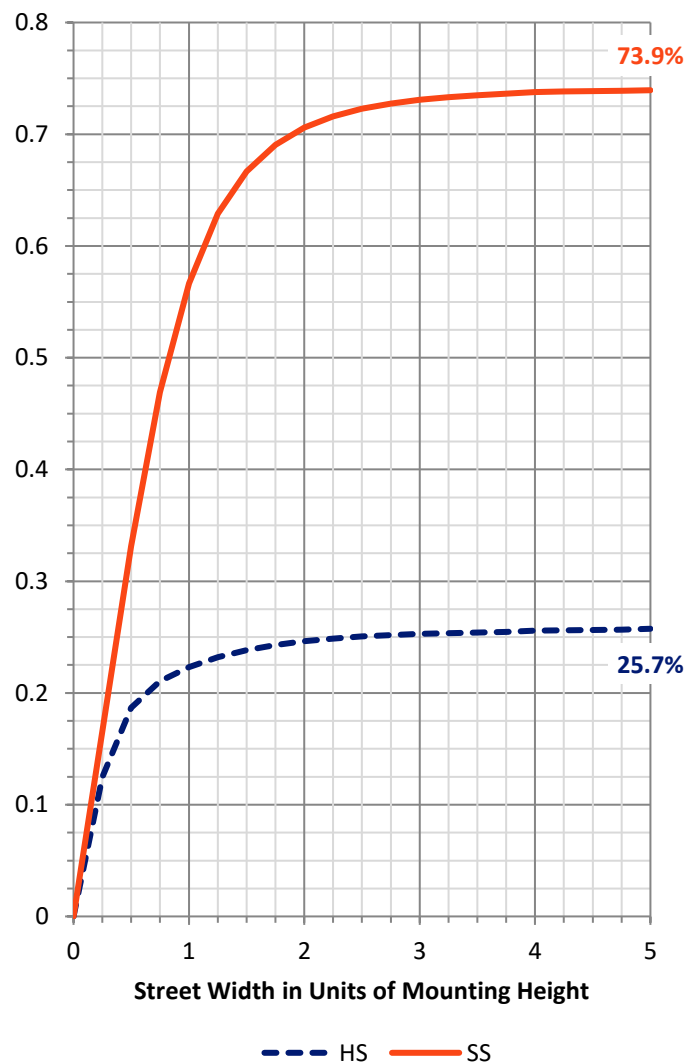
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2539.8	0.0	2539.8
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	7180.2	0.0	7180.2
	% Fixture	73.9	0.0	73.9
Total	Lumens	9720.0	0.0	9720.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.3	2.0
10°-20°	545.9	5.6
20°-30°	886.3	9.1
30°-40°	1278.3	13.2
40°-50°	1662.8	17.1
50°-60°	1931.3	19.9
60°-70°	1910.8	19.7
70°-80°	1183.6	12.2
80°-90°	128.5	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°	9720.0	100.0
0°-180°	9720.0	100.0

Coefficient of Utilization



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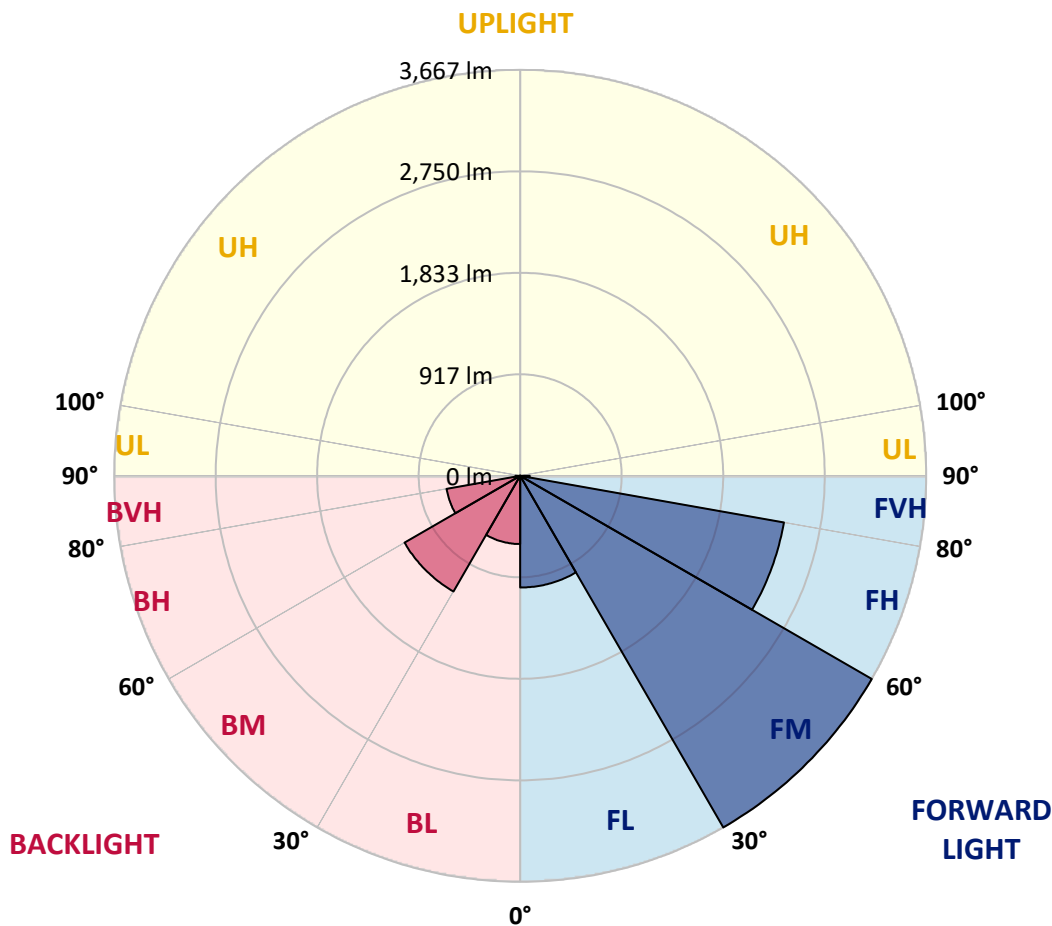
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1008.4	10.4			
FM	(30°-60°)	3666.5	37.7			
FH	(60°-80°)	2419.0	24.9			G2/5000
FVH	(80°-90°)	86.2	0.9			G1/100
BL	(0°-30°)	616.1	6.3	B2/1000		
BM	(30°-60°)	1206.0	12.4	B2/2500		
BH	(60°-80°)	675.4	6.9	B2/1000		G2/1000
BVH	(80°-90°)	42.3	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°	2056.0	2056.0	2056.0	2056.0	2056.0	2056.0	2056.0	2056.0	2056.0	2056.0	2056.0
2.5°	2129.6	2129.6	2136.3	2112.8	2099.5	2089.4	2079.4	2069.4	2066.0	2056.0	2042.6
5°	2223.2	2223.2	2226.5	2203.1	2176.4	2146.3	2116.2	2096.1	2096.1	2072.7	2039.3
7.5°	2273.3	2273.3	2273.3	2246.6	2229.9	2209.8	2163.0	2106.2	2102.8	2079.4	2032.6
10°	2273.3	2273.3	2286.7	2246.6	2233.2	2213.1	2186.4	2126.2	2119.5	2066.0	2002.5
12.5°	2313.4	2320.1	2313.4	2270.0	2256.6	2239.9	2203.1	2153.0	2149.6	2079.4	1989.2
15°	2370.3	2373.6	2363.6	2333.5	2320.1	2293.4	2249.9	2196.4	2189.7	2106.2	1999.2
17.5°	2383.6	2387.0	2393.7	2356.9	2356.9	2346.9	2323.5	2259.9	2243.2	2169.7	2029.3
20°	2377.0	2380.3	2390.3	2383.6	2387.0	2380.3	2397.0	2343.5	2323.5	2243.2	2076.1
22.5°	2407.0	2413.7	2433.8	2437.1	2450.5	2463.9	2470.6	2473.9	2460.5	2366.9	2173.0
25°	2417.1	2437.1	2463.9	2500.7	2547.5	2574.2	2611.0	2647.7	2644.4	2550.8	2333.5
27.5°	2370.3	2393.7	2477.2	2534.1	2637.7	2711.3	2794.8	2845.0	2845.0	2768.1	2517.4
30°	2413.7	2423.8	2467.2	2547.5	2667.8	2835.0	2965.3	3028.9	3035.6	2985.4	2697.9
32.5°	2323.5	2346.9	2453.8	2607.6	2791.5	2975.4	3105.8	3242.8	3249.5	3232.8	2962.0
35°	2313.4	2326.8	2387.0	2550.8	2788.2	3105.8	3279.6	3453.4	3470.2	3490.2	3219.4
37.5°	2209.8	2236.5	2353.6	2557.5	2881.8	3192.7	3426.7	3694.1	3720.9	3784.4	3440.1
40°	2099.5	2119.5	2216.5	2437.1	2851.7	3303.0	3570.4	3978.3	4011.7	4065.2	3744.3
42.5°	1949.0	1989.2	2156.3	2387.0	2838.3	3336.4	3730.9	4239.1	4252.4	4346.1	3985.0
45°	1808.6	1822.0	1949.0	2213.1	2721.3	3386.6	3851.3	4533.3	4543.3	4603.5	4185.6
47.5°	1695.0	1711.7	1842.1	2066.0	2614.3	3373.2	3971.6	4817.4	4864.2	4931.1	4429.6
50°	1343.9	1380.7	1725.0	1939.0	2430.4	3349.8	4068.6	5158.4	5211.9	5275.4	4690.4
52.5°	1160.1	1176.8	1350.6	1812.0	2249.9	3249.5	4158.8	5506.1	5569.6	5536.2	5021.4
55°	1079.8	1089.9	1170.1	1561.2	2089.4	3059.0	4225.7	5830.4	5897.3	5736.8	5282.1
57.5°	1023.0	1036.4	1083.2	1277.1	1908.9	2724.6	4232.4	6021.0	6044.4	5903.9	5389.1
60°	946.1	956.1	1023.0	1116.6	1698.3	2373.6	4112.0	6104.5	6214.9	6081.1	5629.8
62.5°	889.3	899.3	942.8	1013.0	1494.4	2092.8	3777.7	6365.3	6438.8	6258.3	5720.1
65°	822.4	822.4	865.9	936.1	1364.0	1922.3	3603.9	6281.7	6121.2	6208.2	5830.4
67.5°	725.5	732.1	775.6	832.4	1143.3	1758.5	3176.0	5893.9	5726.8	5967.5	5539.5
70°	645.2	638.5	685.3	728.8	936.1	1551.2	2631.0	5492.7	5629.8	5603.1	5272.1
72.5°	538.2	531.6	571.7	618.5	755.5	1287.1	2079.4	5098.3	5178.5	5011.3	4677.0
75°	417.9	377.8	434.6	494.8	595.1	1019.7	1474.3	4222.4	4523.2	4723.8	3988.3
77.5°	66.9	66.9	83.6	117.0	193.9	518.2	658.6	2320.1	2661.1	4021.8	3496.9
80°	53.5	53.5	60.2	80.2	117.0	284.2	220.6	718.8	802.3	1735.1	2012.6
82.5°	30.1	30.1	43.5	53.5	73.5	86.9	97.0	351.0	391.1	615.1	778.9
85°	16.7	16.7	23.4	26.7	30.1	30.1	30.1	160.5	180.5	327.6	354.4
87.5°	10.0	10.0	10.0	10.0	10.0	6.7	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°	2056.0	2056.0	2056.0	2056.0	2056.0	2056.0	2056.0	2056.0	2056.0	2056.0	2056.0
2.5°	2036.0	2025.9	2009.2	1995.8	1985.8	1975.8	1959.1	1949.0	1949.0	1965.8	1969.1
5°	2019.2	1995.8	1965.8	1952.4	1935.7	1918.9	1892.2	1878.8	1875.5	1885.5	1892.2
7.5°	2005.9	1972.4	1942.4	1908.9	1858.8	1815.3	1791.9	1775.2	1781.9	1798.6	1791.9
10°	1965.8	1935.7	1888.9	1838.7	1778.5	1741.8	1705.0	1684.9	1688.3	1698.3	1688.3
12.5°	1949.0	1908.9	1832.0	1771.9	1718.4	1648.2	1601.4	1571.3	1571.3	1588.0	1588.0
15°	1949.0	1888.9	1785.2	1711.7	1628.1	1557.9	1504.4	1477.7	1494.4	1484.3	1477.7
17.5°	1965.8	1872.1	1755.1	1631.4	1531.1	1460.9	1397.4	1360.6	1370.7	1377.4	1370.7
20°	1985.8	1872.1	1718.4	1567.9	1450.9	1350.6	1280.4	1240.3	1237.0	1240.3	1247.0
22.5°	2052.7	1915.6	1695.0	1527.8	1350.6	1253.7	1183.5	1113.3	1109.9	1106.6	1113.3
25°	2166.3	1995.8	1711.7	1454.3	1293.8	1150.0	1063.1	1002.9	982.9	979.5	986.2
27.5°	2353.6	2136.3	1738.4	1444.2	1190.1	1059.8	952.8	885.9	865.9	872.6	869.2
30°	2557.5	2316.8	1815.3	1374.0	1130.0	926.0	825.7	768.9	748.9	735.5	738.8
32.5°	2707.9	2497.3	1912.3	1350.6	1013.0	782.3	708.7	675.3	651.9	635.2	631.8
35°	2945.3	2651.1	1999.2	1297.1	909.3	688.7	628.5	591.7	578.4	568.3	568.3
37.5°	3172.6	2838.3	2086.1	1280.4	775.6	625.2	551.6	528.2	521.5	514.8	514.8
40°	3399.9	3028.9	2136.3	1213.6	668.6	548.3	478.1	474.7	484.8	478.1	481.4
42.5°	3680.8	3226.1	2186.4	1150.0	591.7	468.0	427.9	454.7	474.7	478.1	478.1
45°	3874.7	3359.8	2206.5	996.2	511.5	407.9	417.9	448.0	471.4	481.4	478.1
47.5°	4051.9	3540.4	2176.4	809.0	444.6	397.8	414.5	434.6	468.0	481.4	481.4
50°	4225.7	3690.8	2149.6	598.4	421.2	401.2	414.5	424.6	461.4	474.7	474.7
52.5°	4469.7	3811.2	2059.4	501.5	401.2	404.5	424.6	421.2	451.3	471.4	478.1
55°	4807.4	4092.0	1885.5	474.7	397.8	401.2	424.6	424.6	444.6	461.4	471.4
57.5°	4957.8	4212.3	1591.3	448.0	387.8	397.8	414.5	417.9	441.3	451.3	448.0
60°	5128.3	4362.8	1303.8	417.9	371.1	391.1	397.8	411.2	427.9	427.9	424.6
62.5°	5232.0	4399.5	1086.5	384.5	351.0	367.7	367.7	381.1	394.5	394.5	394.5
65°	5282.1	4362.8	812.4	354.4	327.6	341.0	337.7	344.3	354.4	337.7	337.7
67.5°	5084.9	4225.7	561.6	314.3	300.9	314.3	310.9	314.3	310.9	297.5	300.9
70°	4747.2	3841.2	387.8	267.4	264.1	287.5	290.9	284.2	264.1	254.1	254.1
72.5°	4322.6	3082.4	267.4	214.0	224.0	254.1	260.8	247.4	227.3	217.3	217.3
75°	3921.5	2664.5	190.6	147.1	150.4	193.9	207.3	207.3	200.6	267.4	284.2
77.5°	2728.0	1725.0	110.3	76.9	73.5	110.3	127.0	130.4	250.7	270.8	264.1
80°	1618.1	812.4	80.2	46.8	46.8	63.5	86.9	170.5	287.5	193.9	173.8
82.5°	618.5	310.9	50.1	30.1	26.7	33.4	50.1	264.1	167.2	110.3	100.3
85°	224.0	76.9	23.4	16.7	16.7	20.1	30.1	224.0	117.0	83.6	80.2
87.5°	3.3	3.3	6.7	6.7	6.7	3.3	3.3	6.7	6.7	6.7	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)