

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: P691946

Luminaire Tested: **CRTK2-C01HO-D-U-T2-7040-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691946
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-T2-7040-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: 11047 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

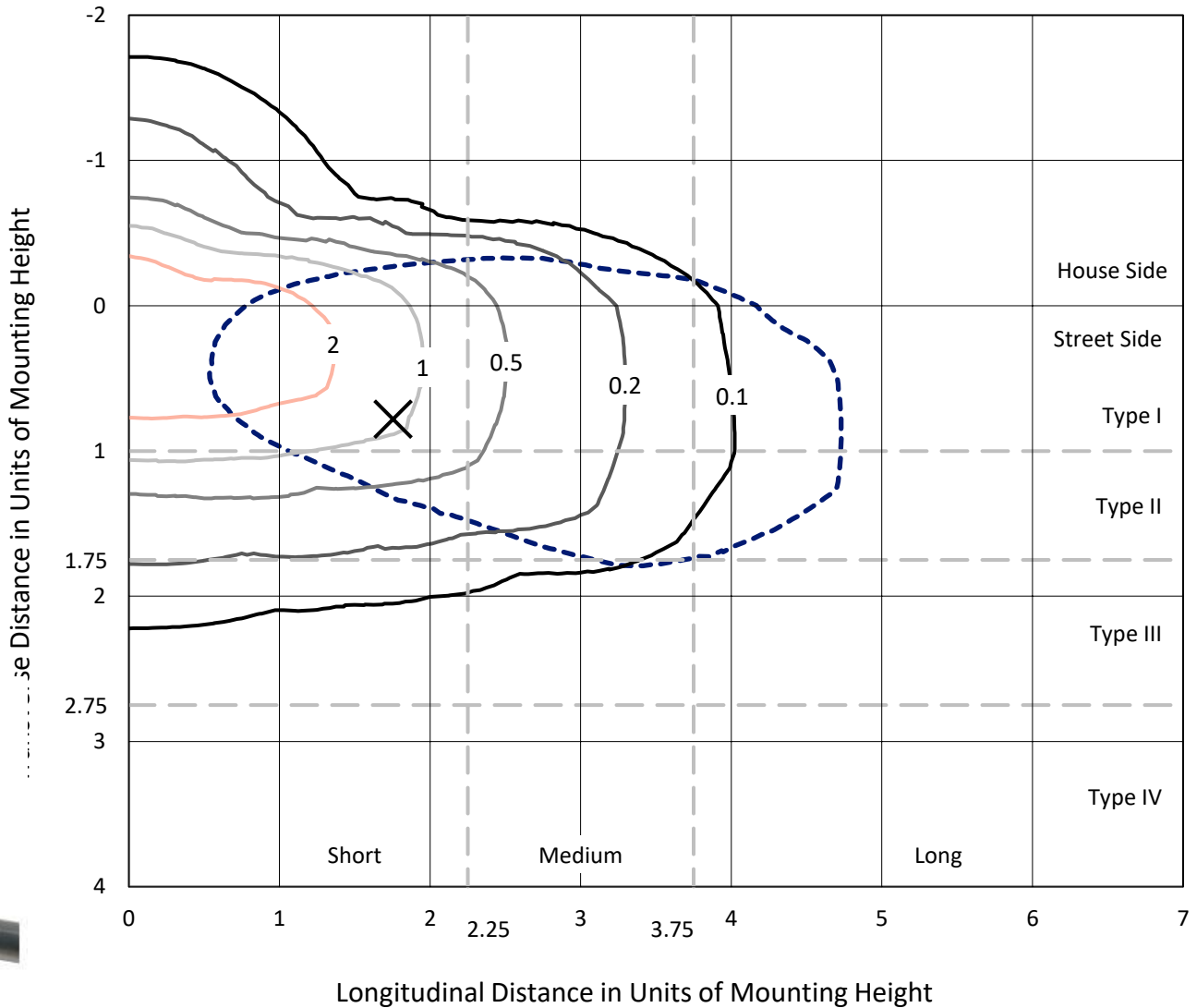
Input Watts (W): 79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

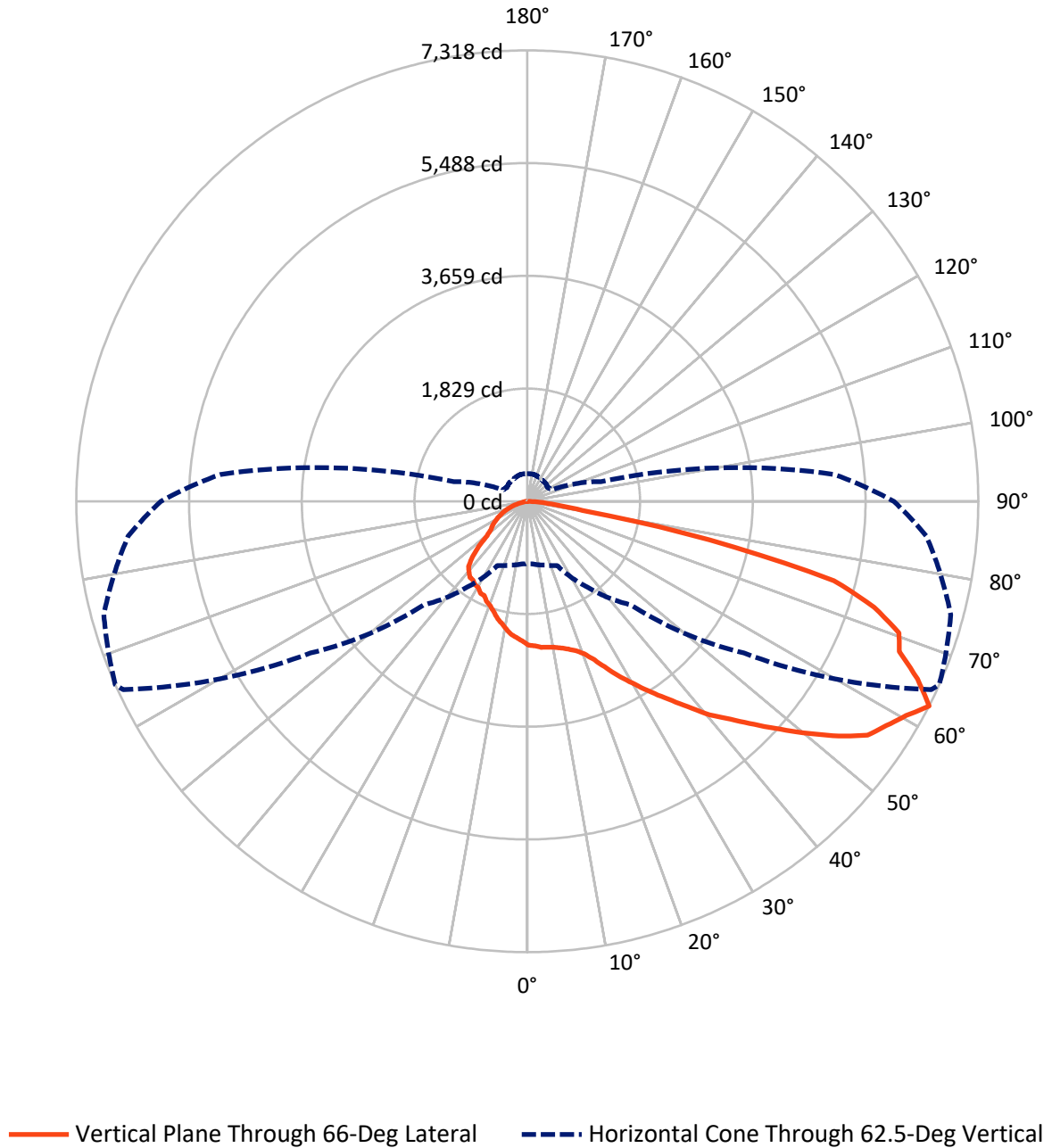
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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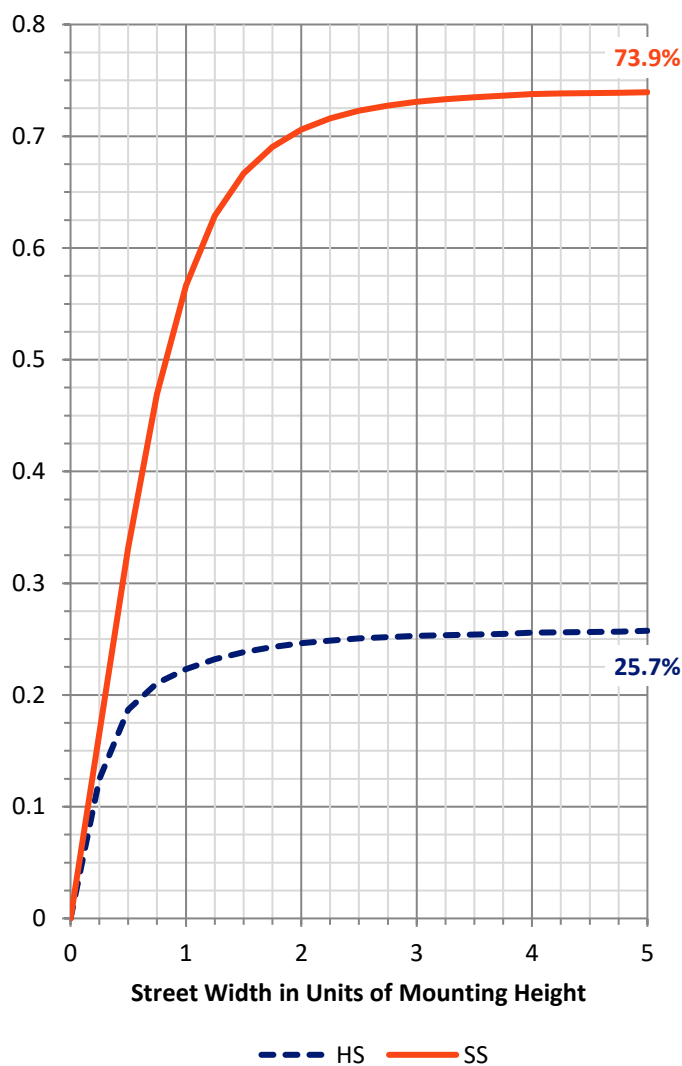
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2886.5	0.0	2886.5
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	8160.5	0.0	8160.5
	% Fixture	73.9	0.0	73.9
Total	Lumens	11047.0	0.0	11047.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.6	2.0
10°-20°	620.4	5.6
20°-30°	1007.3	9.1
30°-40°	1452.9	13.2
40°-50°	1889.8	17.1
50°-60°	2195.0	19.9
60°-70°	2171.7	19.7
70°-80°	1345.2	12.2
80°-90°	146.1	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°	11047.0	100.0
0°-180°	11047.0	100.0

Coefficient of Utilization

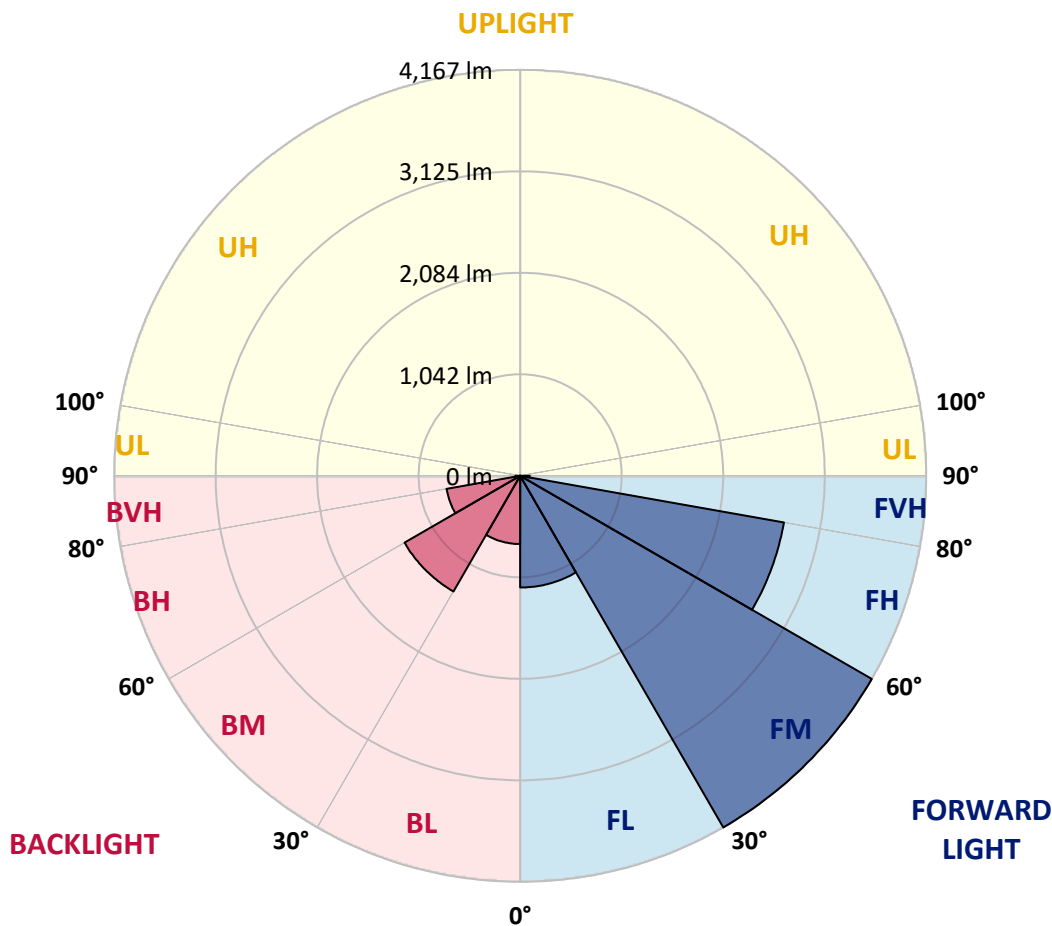


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1146.1	10.4			
FM (30°-60°)	4167.1	37.7			
FH (60°-80°)	2749.3	24.9			G2/5000
FVH (80°-90°)	98.0	0.9			G1/100
BL (0°-30°)	700.2	6.3	B2/1000		
BM (30°-60°)	1370.6	12.4	B2/2500		
BH (60°-80°)	767.6	6.9	B2/1000		G2/1000
BVH (80°-90°)	48.1	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°	2336.7	2336.7	2336.7	2336.7	2336.7	2336.7	2336.7	2336.7	2336.7	2336.7	2336.7
2.5°	2420.3	2420.3	2427.9	2401.3	2386.1	2374.7	2363.3	2351.9	2348.1	2336.7	2321.5
5°	2526.7	2526.7	2530.5	2503.9	2473.5	2439.3	2405.1	2382.3	2382.3	2355.7	2317.7
7.5°	2583.7	2583.7	2583.7	2553.3	2534.3	2511.5	2458.3	2393.7	2389.9	2363.3	2310.1
10°	2583.7	2583.7	2598.9	2553.3	2538.1	2515.3	2484.9	2416.5	2408.9	2348.1	2275.9
12.5°	2629.3	2636.9	2629.3	2579.9	2564.7	2545.7	2503.9	2446.9	2443.1	2363.3	2260.7
15°	2693.9	2697.7	2686.3	2652.1	2636.9	2606.5	2557.1	2496.3	2488.7	2393.7	2272.1
17.5°	2709.1	2712.9	2720.5	2678.7	2678.7	2667.3	2640.7	2568.5	2549.5	2465.9	2306.3
20°	2701.5	2705.3	2716.7	2709.1	2712.9	2705.3	2724.3	2663.5	2640.7	2549.5	2359.5
22.5°	2735.7	2743.3	2766.1	2769.9	2785.1	2800.3	2807.9	2811.7	2796.5	2690.1	2469.7
25°	2747.1	2769.9	2800.3	2842.0	2895.2	2925.6	2967.4	3009.2	3005.4	2899.0	2652.1
27.5°	2693.9	2720.5	2815.5	2880.0	2997.8	3081.4	3176.4	3233.4	3233.4	3146.0	2861.0
30°	2743.3	2754.7	2804.1	2895.2	3032.0	3222.0	3370.2	3442.4	3450.0	3393.0	3066.2
32.5°	2640.7	2667.3	2788.9	2963.6	3172.6	3381.6	3529.8	3685.5	3693.1	3674.1	3366.4
35°	2629.3	2644.5	2712.9	2899.0	3168.8	3529.8	3727.3	3924.9	3943.9	3966.7	3658.9
37.5°	2511.5	2541.9	2674.9	2906.6	3275.2	3628.5	3894.5	4198.5	4228.9	4301.1	3909.7
40°	2386.1	2408.9	2519.1	2769.9	3241.0	3753.9	4057.9	4521.4	4559.4	4620.2	4255.5
42.5°	2215.1	2260.7	2450.7	2712.9	3225.8	3791.9	4240.3	4817.8	4833.0	4939.4	4529.0
45°	2055.5	2070.7	2215.1	2515.3	3092.8	3848.9	4377.1	5152.2	5163.6	5231.9	4757.0
47.5°	1926.4	1945.4	2093.5	2348.1	2971.2	3833.7	4513.8	5475.1	5528.3	5604.3	5034.4
50°	1527.4	1569.2	1960.6	2203.7	2762.3	3807.1	4624.0	5862.7	5923.5	5995.7	5330.7
52.5°	1318.4	1337.4	1535.0	2059.3	2557.1	3693.1	4726.6	6257.8	6330.0	6292.0	5706.9
55°	1227.2	1238.6	1329.8	1774.4	2374.7	3476.6	4802.6	6626.4	6702.4	6520.0	6003.3
57.5°	1162.7	1177.9	1231.0	1451.4	2169.5	3096.6	4810.2	6842.9	6869.5	6710.0	6124.8
60°	1075.3	1086.7	1162.7	1269.0	1930.2	2697.7	4673.4	6937.9	7063.3	6911.3	6398.4
62.5°	1010.7	1022.1	1071.5	1151.3	1698.4	2378.5	4293.5	7234.3	7317.9	7112.7	6501.0
65°	934.7	934.7	984.1	1063.9	1550.2	2184.7	4095.9	7139.3	6956.9	7055.7	6626.4
67.5°	824.5	832.1	881.5	946.1	1299.4	1998.6	3609.6	6698.6	6508.6	6782.2	6295.8
70°	733.3	725.7	778.9	828.3	1063.9	1763.0	2990.2	6242.6	6398.4	6368.0	5991.9
72.5°	611.7	604.1	649.7	702.9	858.7	1462.8	2363.3	5794.3	5885.5	5695.5	5315.5
75°	474.9	429.3	493.9	562.3	676.3	1158.9	1675.6	4798.8	5140.8	5368.7	4532.8
77.5°	76.0	76.0	95.0	133.0	220.4	588.9	748.5	2636.9	3024.4	4570.8	3974.3
80°	60.8	60.8	68.4	91.2	133.0	323.0	250.8	816.9	911.9	1972.0	2287.3
82.5°	34.2	34.2	49.4	60.8	83.6	98.8	110.2	399.0	444.5	699.1	885.3
85°	19.0	19.0	26.6	30.4	34.2	34.2	34.2	182.4	205.2	372.4	402.7
87.5°	11.4	11.4	11.4	11.4	11.4	7.6	3.8	3.8	3.8	3.8	3.8
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°	2336.7	2336.7	2336.7	2336.7	2336.7	2336.7	2336.7	2336.7	2336.7	2336.7	2336.7
2.5°	2313.9	2302.5	2283.5	2268.3	2256.9	2245.5	2226.5	2215.1	2215.1	2234.1	2237.9
5°	2294.9	2268.3	2234.1	2218.9	2199.9	2180.9	2150.5	2135.3	2131.5	2142.9	2150.5
7.5°	2279.7	2241.7	2207.5	2169.5	2112.5	2063.1	2036.5	2017.5	2025.1	2044.1	2036.5
10°	2234.1	2199.9	2146.7	2089.7	2021.3	1979.6	1937.8	1915.0	1918.8	1930.2	1918.8
12.5°	2215.1	2169.5	2082.1	2013.7	1953.0	1873.2	1820.0	1785.8	1785.8	1804.8	1804.8
15°	2215.1	2146.7	2028.9	1945.4	1850.4	1770.6	1709.8	1679.4	1698.4	1687.0	1679.4
17.5°	2234.1	2127.7	1994.8	1854.2	1740.2	1660.4	1588.2	1546.4	1557.8	1565.4	1557.8
20°	2256.9	2127.7	1953.0	1782.0	1649.0	1535.0	1455.2	1409.6	1405.8	1409.6	1417.2
22.5°	2332.9	2177.1	1926.4	1736.4	1535.0	1424.8	1345.0	1265.2	1261.4	1257.6	1265.2
25°	2462.1	2268.3	1945.4	1652.8	1470.4	1307.0	1208.2	1139.9	1117.1	1113.3	1120.9
27.5°	2674.9	2427.9	1975.8	1641.4	1352.6	1204.5	1082.9	1006.9	984.1	991.7	987.9
30°	2906.6	2633.1	2063.1	1561.6	1284.2	1052.5	938.5	873.9	851.1	835.9	839.7
32.5°	3077.6	2838.2	2173.3	1535.0	1151.3	889.1	805.5	767.5	740.9	721.9	718.1
35°	3347.4	3013.0	2272.1	1474.2	1033.5	782.7	714.3	672.5	657.3	645.9	645.9
37.5°	3605.8	3225.8	2370.9	1455.2	881.5	710.5	626.9	600.3	592.7	585.1	585.1
40°	3864.1	3442.4	2427.9	1379.2	759.9	623.1	543.3	539.5	550.9	543.3	547.1
42.5°	4183.3	3666.5	2484.9	1307.0	672.5	531.9	486.3	516.7	539.5	543.3	543.3
45°	4403.7	3818.5	2507.7	1132.3	581.3	463.5	474.9	509.1	535.7	547.1	543.3
47.5°	4605.0	4023.7	2473.5	919.5	505.3	452.1	471.1	493.9	531.9	547.1	547.1
50°	4802.6	4194.7	2443.1	680.1	478.7	455.9	471.1	482.5	524.3	539.5	539.5
52.5°	5080.0	4331.5	2340.5	569.9	455.9	459.7	482.5	478.7	512.9	535.7	543.3
55°	5463.7	4650.6	2142.9	539.5	452.1	455.9	482.5	482.5	505.3	524.3	535.7
57.5°	5634.7	4787.4	1808.6	509.1	440.7	452.1	471.1	474.9	501.5	512.9	509.1
60°	5828.5	4958.4	1481.8	474.9	421.7	444.5	452.1	467.3	486.3	486.3	482.5
62.5°	5946.3	5000.2	1234.8	436.9	399.0	417.9	417.9	433.1	448.3	448.3	448.3
65°	6003.3	4958.4	923.3	402.7	372.4	387.6	383.8	391.4	402.7	383.8	383.8
67.5°	5779.1	4802.6	638.3	357.2	342.0	357.2	353.4	357.2	353.4	338.2	342.0
70°	5395.3	4365.7	440.7	304.0	300.2	326.8	330.6	323.0	300.2	288.8	288.8
72.5°	4912.8	3503.2	304.0	243.2	254.6	288.8	296.4	281.2	258.4	247.0	247.0
75°	4456.8	3028.2	216.6	167.2	171.0	220.4	235.6	235.6	228.0	304.0	323.0
77.5°	3100.4	1960.6	125.4	87.4	83.6	125.4	144.4	148.2	285.0	307.8	300.2
80°	1839.0	923.3	91.2	53.2	53.2	72.2	98.8	193.8	326.8	220.4	197.6
82.5°	702.9	353.4	57.0	34.2	30.4	38.0	57.0	300.2	190.0	125.4	114.0
85°	254.6	87.4	26.6	19.0	19.0	22.8	34.2	254.6	133.0	95.0	91.2
87.5°	3.8	3.8	7.6	7.6	7.6	3.8	3.8	7.6	7.6	7.6	3.8
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)