

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: P691977

Luminaire Tested: **CRTK2-C01HO-D-U-T3-7040-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691977
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-12)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T3-7040-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10370 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
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

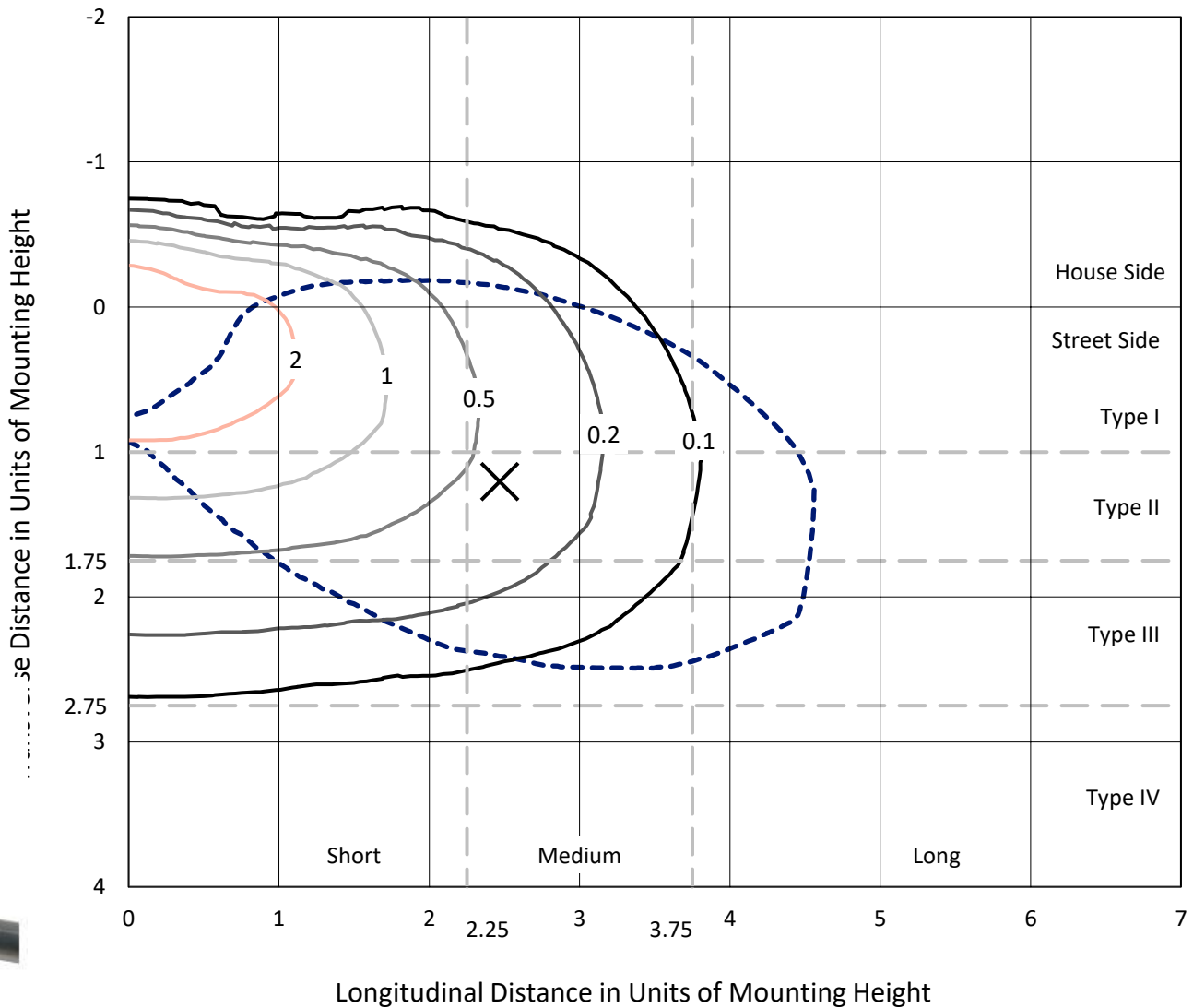


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

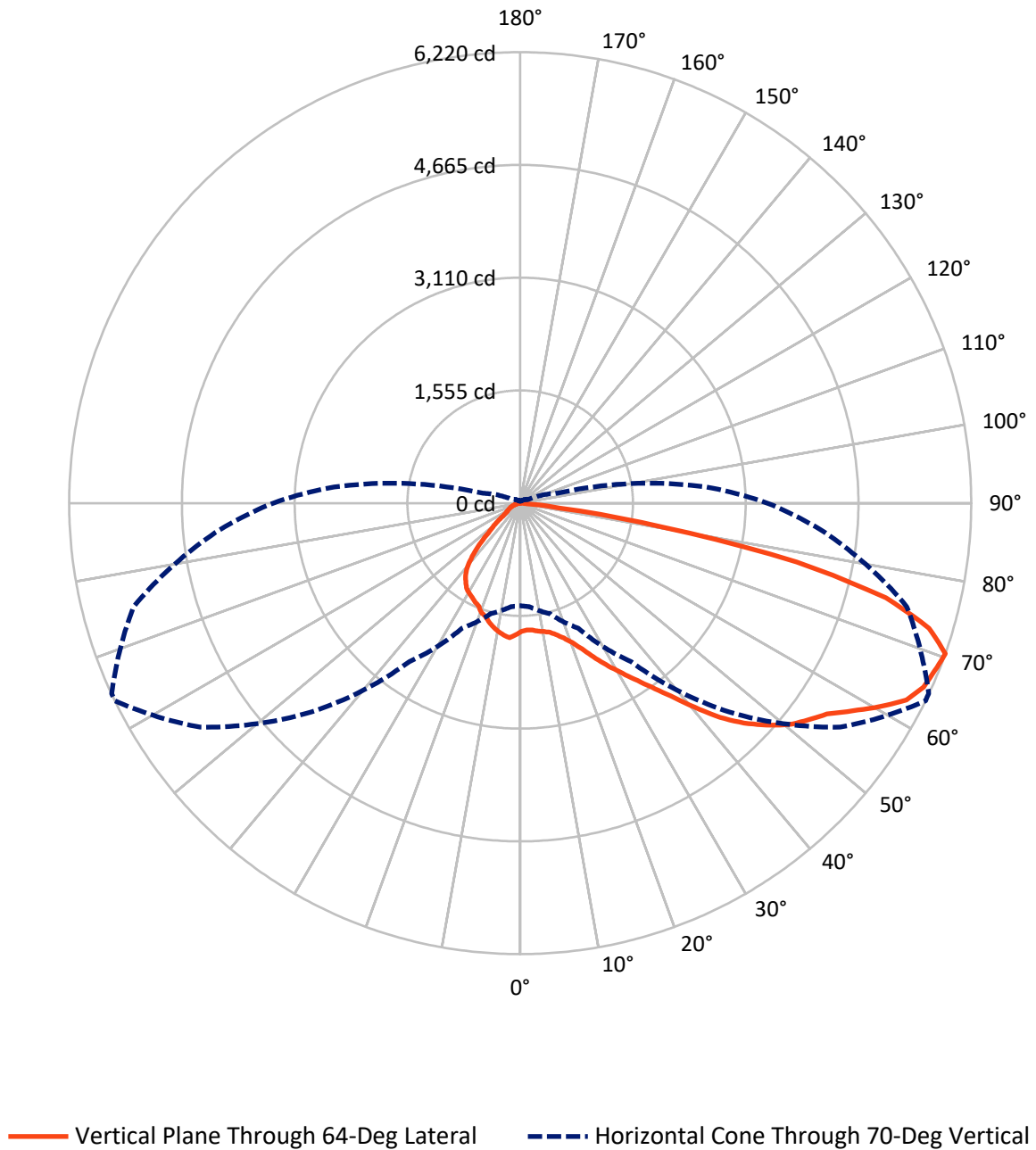


Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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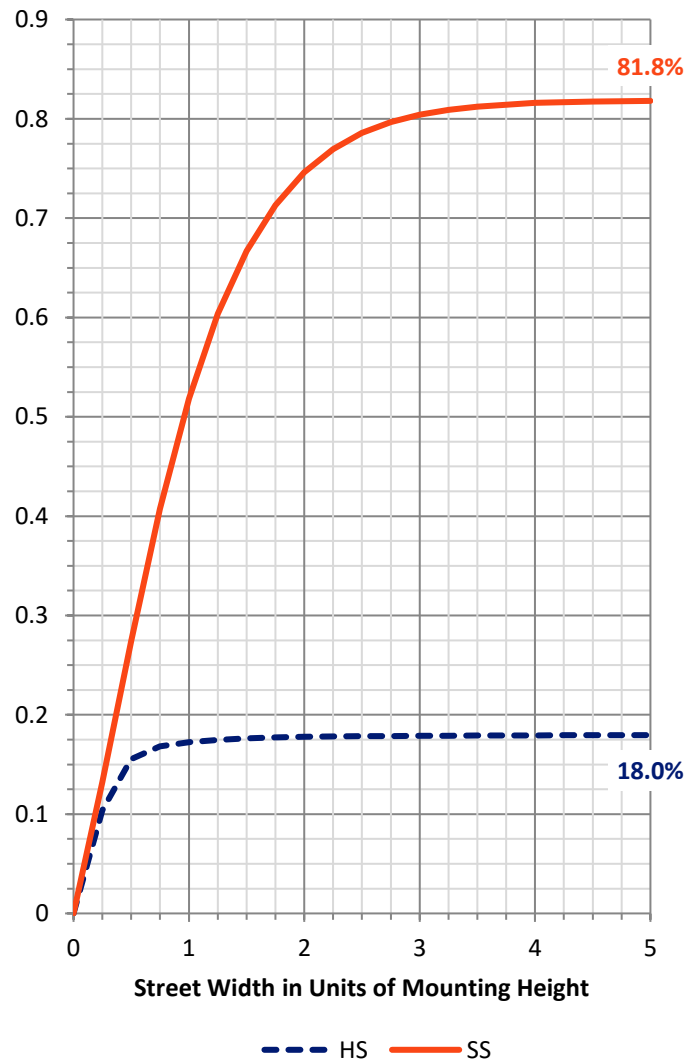
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1884.7	0.0	1884.7
	% Fixture	18.2	0.0	18.2
Street Side	Lumens	8485.3	0.0	8485.3
	% Fixture	81.8	0.0	81.8
Total	Lumens	10370.0	0.0	10370.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	172.6	1.7
10°-20°	510.5	4.9
20°-30°	860.1	8.3
30°-40°	1265.8	12.2
40°-50°	1735.9	16.7
50°-60°	2112.1	20.4
60°-70°	2242.5	21.6
70°-80°	1374.6	13.3
80°-90°	95.9	0.9
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°	10370.0	100.0
0°-180°	10370.0	100.0

Coefficient of Utilization



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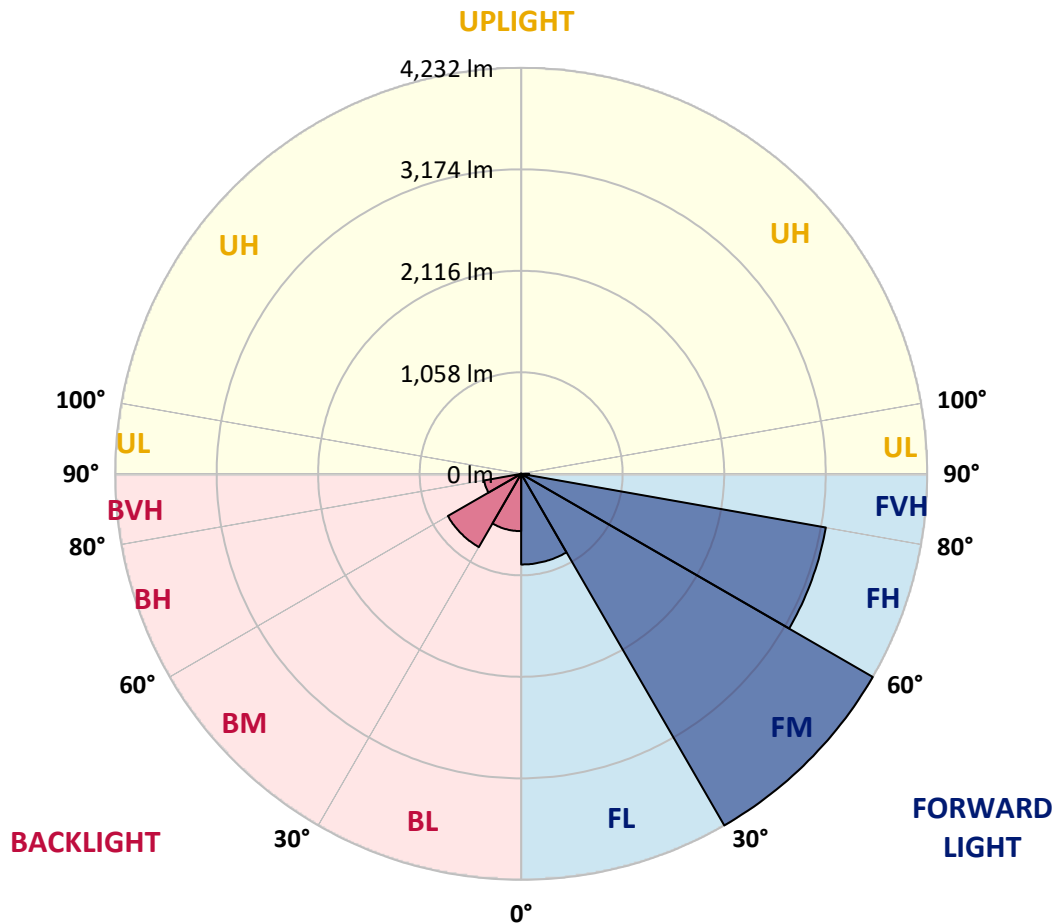
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	945.3	9.1			
FM	(30°-60°)	4231.7	40.8			
FH	(60°-80°)	3224.7	31.1			G2/5000
FVH	(80°-90°)	83.6	0.8			G1/100
BL	(0°-30°)	597.9	5.8	B2/1000		
BM	(30°-60°)	882.1	8.5	B1/1000		
BH	(60°-80°)	392.4	3.8	B1/500		G1/500
BVH	(80°-90°)	12.3	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-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7
2.5°	1751.7	1751.7	1755.5	1751.7	1759.3	1747.9	1751.7	1751.7	1751.7	1755.5	1766.9
5°	1804.9	1804.9	1797.3	1785.9	1774.5	1759.3	1759.3	1759.3	1759.3	1766.9	1793.5
7.5°	1839.1	1835.3	1835.3	1835.3	1823.9	1793.5	1785.9	1782.1	1782.1	1782.1	1808.7
10°	1922.7	1911.3	1896.1	1873.3	1861.9	1835.3	1804.9	1801.1	1801.1	1804.9	1839.1
12.5°	2002.5	1991.1	1991.1	1975.9	1930.3	1899.9	1846.7	1827.7	1827.7	1835.3	1854.3
15°	2135.5	2124.1	2093.7	2067.1	2025.3	1972.1	1918.9	1884.7	1880.9	1896.1	1869.5
17.5°	2230.4	2211.5	2215.3	2173.5	2139.3	2063.3	2010.1	1956.9	1956.9	1972.1	1918.9
20°	2321.6	2321.6	2325.4	2321.6	2264.6	2203.9	2116.5	2051.9	2055.7	2059.5	1975.9
22.5°	2458.4	2454.6	2454.6	2458.4	2420.4	2352.0	2257.0	2184.9	2181.1	2150.7	2048.1
25°	2618.0	2610.4	2595.2	2610.4	2591.4	2511.6	2420.4	2348.2	2336.8	2295.0	2154.5
27.5°	2751.0	2751.0	2751.0	2758.6	2758.6	2701.6	2599.0	2523.0	2530.6	2473.6	2279.8
30°	2846.0	2846.0	2880.2	2895.4	2906.8	2887.8	2777.6	2697.8	2713.0	2644.6	2435.6
32.5°	2948.6	2944.8	2990.4	3024.6	3039.8	3047.4	2956.2	2891.6	2895.4	2834.6	2614.2
35°	3043.6	3036.0	3096.8	3169.0	3207.0	3199.4	3134.8	3112.0	3119.6	3100.6	2857.4
37.5°	3112.0	3123.4	3203.2	3298.2	3359.0	3374.2	3332.4	3374.2	3416.0	3442.6	3172.8
40°	3188.0	3188.0	3264.0	3366.6	3461.6	3518.6	3549.0	3701.0	3735.1	3754.1	3359.0
42.5°	3112.0	3138.6	3298.2	3446.4	3571.8	3659.2	3784.5	4039.1	4077.1	3959.3	3606.0
45°	3047.4	3070.2	3229.8	3480.6	3663.0	3833.9	4061.9	4327.9	4365.9	4164.5	3746.5
47.5°	2982.8	3009.4	3176.6	3454.0	3746.5	4027.7	4286.1	4574.9	4593.9	4343.1	3932.7
50°	2910.6	2937.2	3112.0	3419.8	3795.9	4236.7	4506.5	4802.9	4806.7	4498.9	4027.7
52.5°	2819.4	2853.6	3028.4	3370.4	3837.7	4377.3	4704.1	4970.1	4947.3	4688.9	4141.7
55°	2705.4	2743.4	2937.2	3305.8	3860.5	4468.5	4833.3	5133.5	5118.3	4909.3	4289.9
57.5°	2576.2	2618.0	2819.4	3207.0	3852.9	4514.1	4966.3	5403.2	5410.8	5091.7	4400.1
60°	2428.0	2466.0	2656.0	3077.8	3754.1	4597.7	5251.2	5699.6	5726.2	5293.0	4445.7
62.5°	2234.2	2268.4	2450.8	2887.8	3628.8	4658.5	5467.8	5980.8	5969.4	5429.8	4460.9
65°	1991.1	2029.1	2200.1	2637.0	3431.2	4620.5	5536.2	6113.8	6113.8	5528.6	4449.5
67.5°	1744.1	1778.3	1922.7	2317.8	3112.0	4430.5	5494.4	6167.0	6201.2	5593.2	4346.9
70°	1413.5	1432.5	1576.9	1903.7	2667.4	4073.3	5388.0	6220.2	6216.4	5521.0	4153.1
72.5°	1037.3	1060.1	1177.9	1428.7	2063.3	3526.2	5053.7	5897.2	5836.4	5133.5	3776.9
75°	535.8	558.6	649.8	896.7	1314.7	2488.8	4308.9	5209.4	5198.0	4544.5	3127.2
77.5°	72.2	72.2	83.6	148.2	304.0	991.7	2823.2	3902.3	3879.5	3465.4	2272.2
80°	49.4	49.4	57.0	68.4	87.4	216.6	995.5	1979.7	2013.9	1785.9	1018.3
82.5°	38.0	34.2	41.8	49.4	53.2	98.8	304.0	547.2	554.8	497.8	311.6
85°	22.8	22.8	22.8	22.8	19.0	26.6	68.4	91.2	102.6	98.8	79.8
87.5°	11.4	11.4	11.4	7.6	3.8	3.8	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°	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7	1770.7
2.5°	1770.7	1782.1	1797.3	1816.3	1835.3	1850.5	1865.7	1873.3	1880.9	1884.7	1888.5
5°	1801.1	1816.3	1835.3	1861.9	1861.9	1850.5	1842.9	1842.9	1850.5	1861.9	1865.7
7.5°	1831.5	1846.7	1839.1	1835.3	1839.1	1823.9	1804.9	1793.5	1785.9	1785.9	1793.5
10°	1842.9	1827.7	1820.1	1801.1	1763.1	1755.5	1740.3	1709.9	1702.3	1709.9	1683.3
12.5°	1835.3	1823.9	1785.9	1755.5	1717.5	1652.9	1614.9	1614.9	1595.9	1592.1	1595.9
15°	1854.3	1816.3	1770.7	1706.1	1637.7	1584.5	1523.7	1470.5	1455.3	1459.1	1459.1
17.5°	1869.5	1831.5	1740.3	1641.5	1580.7	1485.7	1417.3	1386.9	1360.3	1356.5	1356.5
20°	1903.7	1850.5	1721.3	1614.9	1462.9	1390.7	1314.7	1276.7	1234.9	1177.9	1158.9
22.5°	1956.9	1884.7	1709.9	1542.7	1409.7	1295.7	1185.5	1071.5	1003.1	957.5	968.9
25°	2029.1	1949.3	1721.3	1516.1	1329.9	1185.5	1041.1	885.3	782.7	752.3	771.3
27.5°	2158.3	2021.5	1755.5	1478.1	1272.9	1056.3	839.7	703.0	608.0	577.6	589.0
30°	2276.0	2131.7	1759.3	1455.3	1181.7	904.3	661.2	509.2	433.2	387.6	376.2
32.5°	2488.8	2249.4	1854.3	1424.9	1086.7	737.2	486.4	338.2	269.8	243.2	235.6
35°	2697.8	2458.4	1880.9	1367.9	911.9	547.2	300.2	201.4	163.4	144.4	140.6
37.5°	2986.6	2713.0	1991.1	1307.1	737.2	334.4	182.4	121.6	114.0	110.2	110.2
40°	3131.0	2846.0	2082.3	1219.7	516.8	190.0	117.8	106.4	102.6	98.8	98.8
42.5°	3336.2	2998.0	2158.3	1063.9	304.0	125.4	106.4	98.8	95.0	91.2	91.2
45°	3450.2	3077.8	2139.3	873.9	152.0	117.8	102.6	95.0	87.4	87.4	87.4
47.5°	3602.2	3195.6	2089.9	646.0	136.8	114.0	98.8	91.2	87.4	91.2	87.4
50°	3746.5	3309.6	1953.1	513.0	133.0	110.2	98.8	87.4	87.4	87.4	87.4
52.5°	3826.3	3416.0	1782.1	376.2	136.8	110.2	95.0	87.4	87.4	83.6	87.4
55°	3902.3	3431.2	1645.3	273.6	136.8	106.4	91.2	83.6	79.8	76.0	76.0
57.5°	3955.5	3397.0	1535.1	228.0	136.8	106.4	87.4	79.8	68.4	64.6	64.6
60°	3940.3	3313.4	1443.9	209.0	129.2	98.8	79.8	68.4	60.8	53.2	53.2
62.5°	3898.5	3264.0	1276.7	182.4	117.8	91.2	72.2	57.0	49.4	45.6	45.6
65°	3860.5	3108.2	1082.9	163.4	110.2	79.8	60.8	49.4	41.8	38.0	38.0
67.5°	3678.2	2903.0	805.5	140.6	98.8	72.2	53.2	45.6	38.0	34.2	30.4
70°	3408.4	2572.4	528.2	121.6	87.4	60.8	45.6	38.0	30.4	26.6	26.6
72.5°	2948.6	2124.1	273.6	98.8	72.2	53.2	41.8	34.2	26.6	22.8	22.8
75°	2393.8	1561.7	163.4	76.0	57.0	45.6	34.2	26.6	22.8	19.0	19.0
77.5°	1656.7	862.5	117.8	57.0	38.0	34.2	26.6	22.8	19.0	15.2	15.2
80°	558.6	235.6	83.6	41.8	26.6	26.6	19.0	15.2	15.2	11.4	11.4
82.5°	220.4	144.4	57.0	30.4	22.8	19.0	15.2	11.4	11.4	11.4	11.4
85°	60.8	41.8	22.8	15.2	11.4	11.4	11.4	7.6	7.6	7.6	7.6
87.5°	3.8	7.6	7.6	7.6	7.6	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

(END OF REPORT)