

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: P691854

Luminaire Tested: **CRTK2-C01H-D-U-T2-7040-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691854
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-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: 9390 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (A_{in}): 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

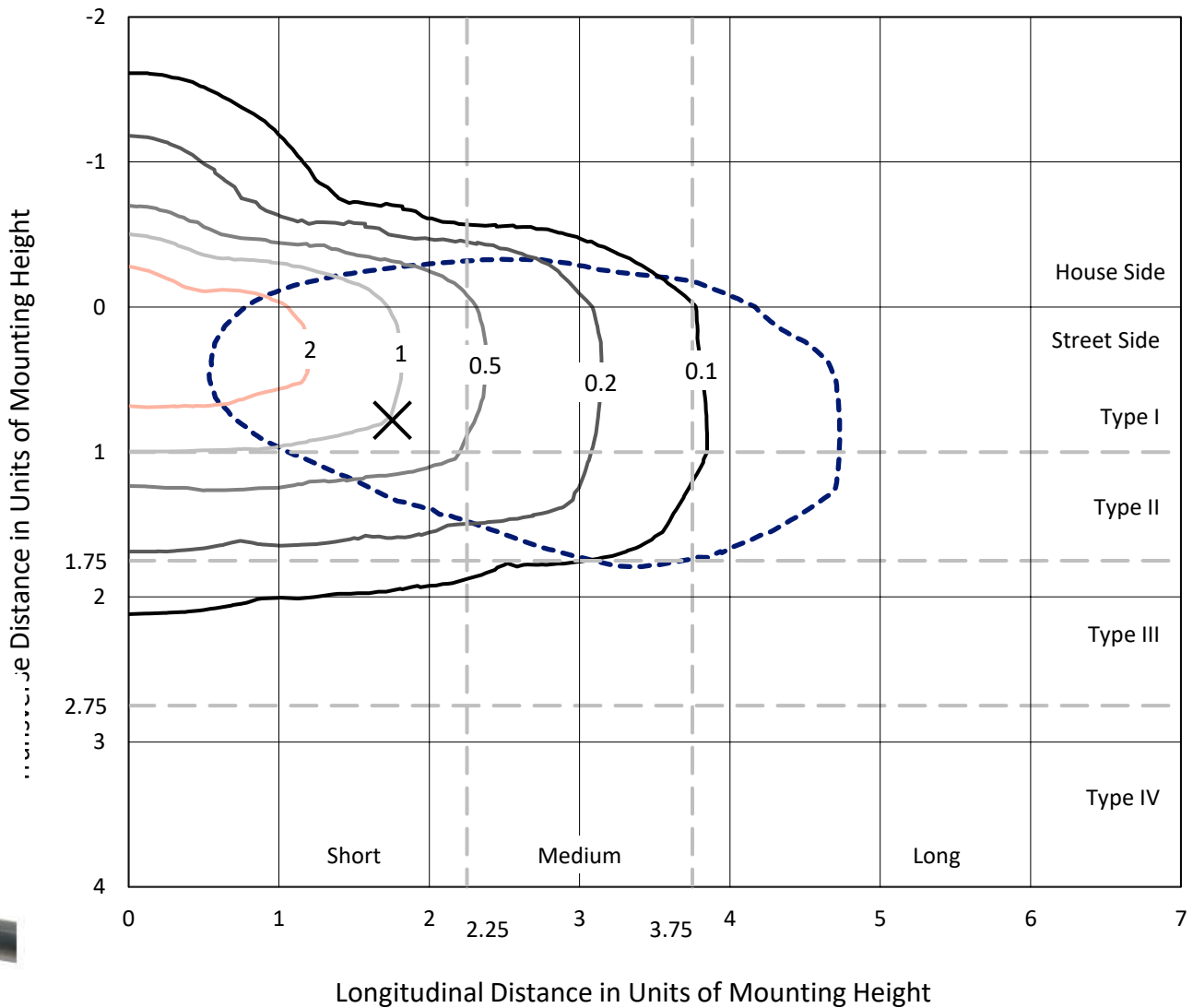


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Iso-Footcandle Lines of Horizontal Illumination

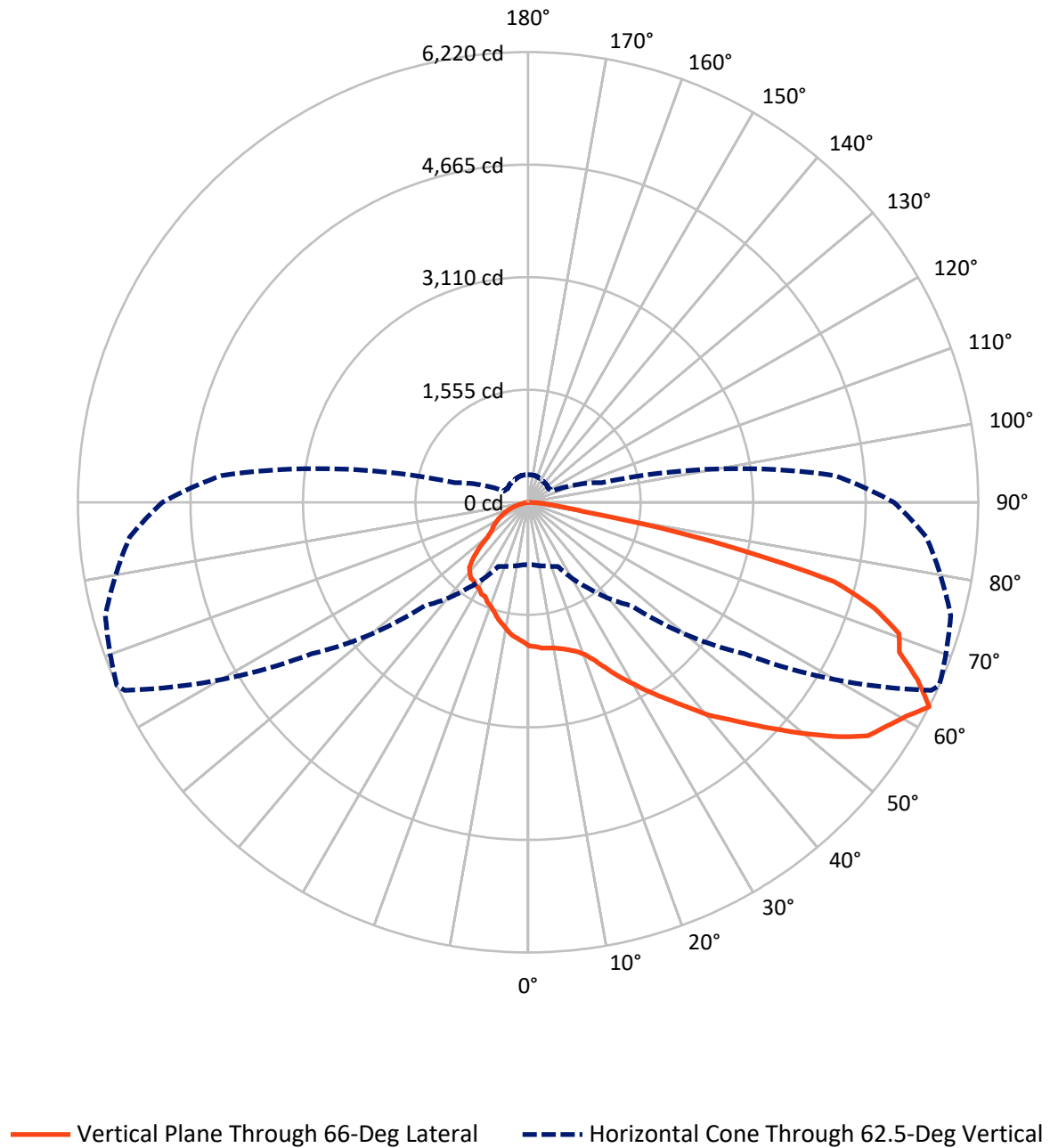
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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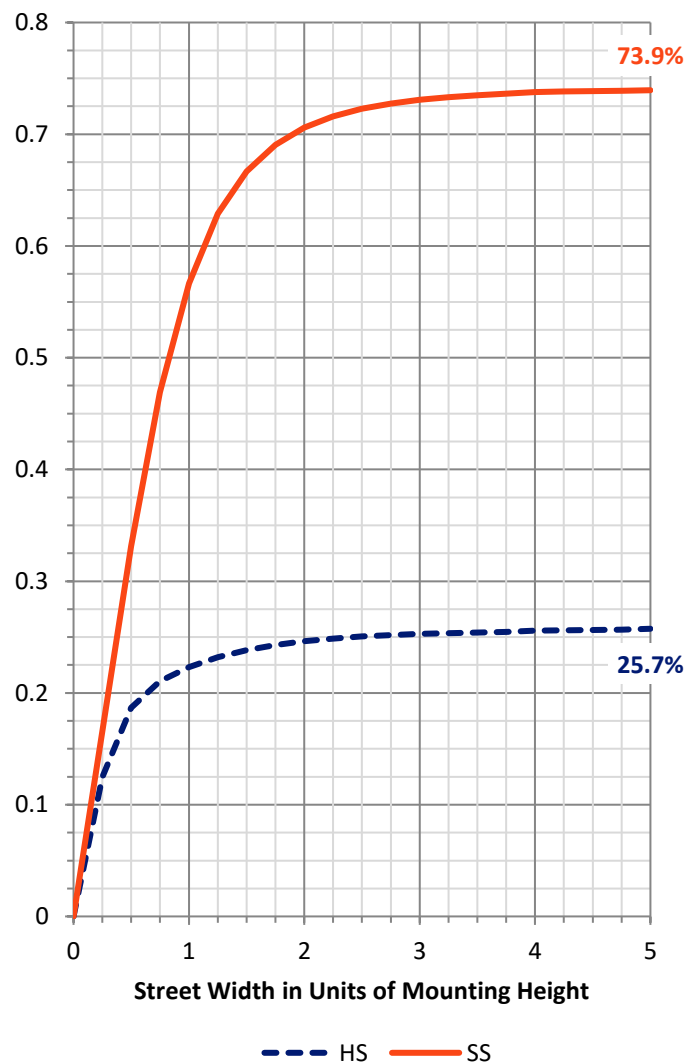
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2453.6	0.0	2453.6
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	6936.4	0.0	6936.4
	% Fixture	73.9	0.0	73.9
Total	Lumens	9390.0	0.0	9390.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.8	2.0
10°-20°	527.3	5.6
20°-30°	856.2	9.1
30°-40°	1234.9	13.2
40°-50°	1606.4	17.1
50°-60°	1865.8	19.9
60°-70°	1846.0	19.7
70°-80°	1143.4	12.2
80°-90°	124.2	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°	9390.0	100.0
0°-180°	9390.0	100.0

Coefficient of Utilization



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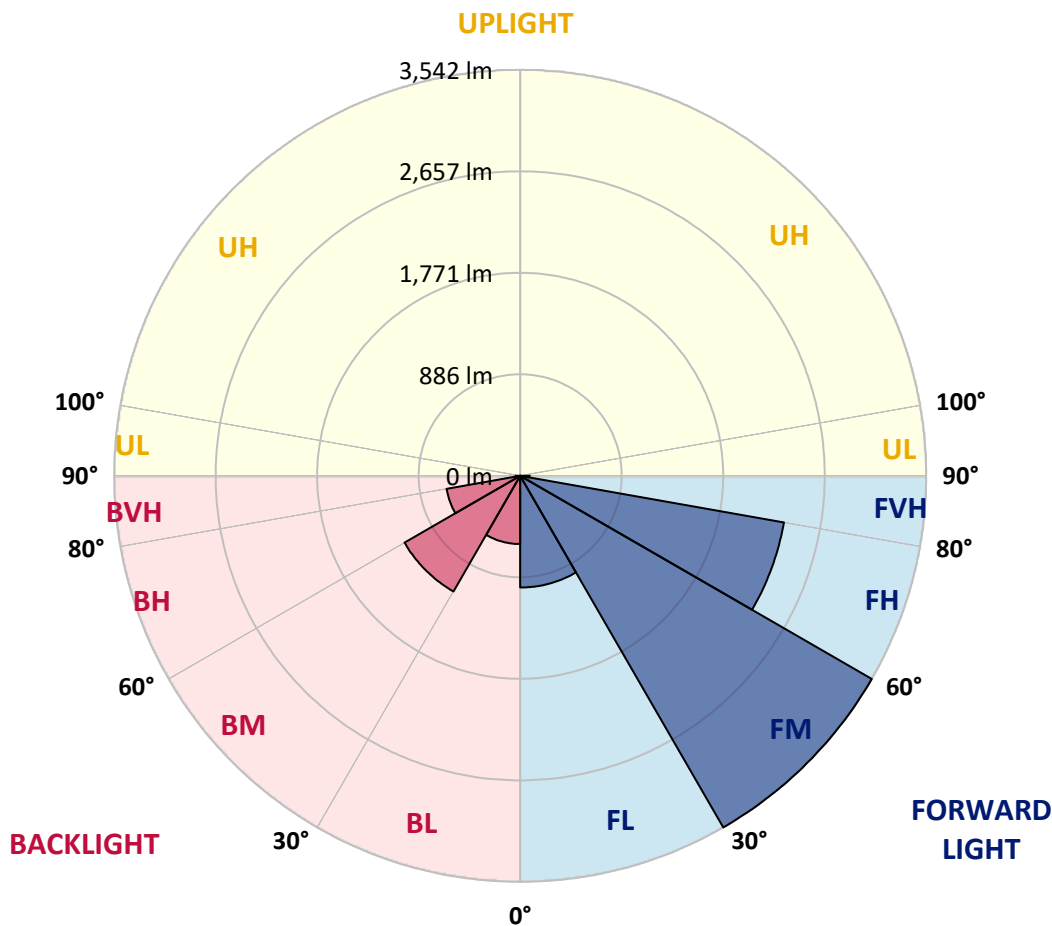
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	974.2	10.4			
FM	(30°-60°)	3542.1	37.7			
FH	(60°-80°)	2336.9	24.9			G2/5000
FVH	(80°-90°)	83.3	0.9			G1/100
BL	(0°-30°)	595.2	6.3	B2/1000		
BM	(30°-60°)	1165.0	12.4	B2/2500		
BH	(60°-80°)	652.5	6.9	B2/1000		G2/1000
BVH	(80°-90°)	40.9	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°	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2
2.5°	2057.3	2057.3	2063.7	2041.1	2028.2	2018.5	2008.8	1999.1	1995.9	1986.2	1973.3
5°	2147.7	2147.7	2150.9	2128.3	2102.5	2073.4	2044.3	2025.0	2025.0	2002.4	1970.1
7.5°	2196.1	2196.1	2196.1	2170.3	2154.2	2134.8	2089.6	2034.7	2031.4	2008.8	1963.6
10°	2196.1	2196.1	2209.1	2170.3	2157.4	2138.0	2112.2	2054.0	2047.6	1995.9	1934.5
12.5°	2234.9	2241.4	2234.9	2192.9	2180.0	2163.8	2128.3	2079.9	2076.6	2008.8	1921.6
15°	2289.8	2293.0	2283.3	2254.3	2241.4	2215.5	2173.5	2121.9	2115.4	2034.7	1931.3
17.5°	2302.7	2305.9	2312.4	2276.9	2276.9	2267.2	2244.6	2183.2	2167.1	2096.0	1960.4
20°	2296.3	2299.5	2309.2	2302.7	2305.9	2299.5	2315.6	2264.0	2244.6	2167.1	2005.6
22.5°	2325.3	2331.8	2351.2	2354.4	2367.3	2380.2	2386.7	2389.9	2377.0	2286.6	2099.3
25°	2335.0	2354.4	2380.2	2415.8	2461.0	2486.8	2522.3	2557.9	2554.6	2464.2	2254.3
27.5°	2289.8	2312.4	2393.1	2448.0	2548.2	2619.2	2700.0	2748.4	2748.4	2674.1	2431.9
30°	2331.8	2341.5	2383.5	2461.0	2577.2	2738.7	2864.7	2926.0	2932.5	2884.0	2606.3
32.5°	2244.6	2267.2	2370.5	2519.1	2696.7	2874.4	3000.3	3132.7	3139.2	3123.0	2861.4
35°	2234.9	2247.8	2305.9	2464.2	2693.5	3000.3	3168.3	3336.2	3352.3	3371.7	3110.1
37.5°	2134.8	2160.6	2273.6	2470.7	2783.9	3084.3	3310.4	3568.7	3594.6	3655.9	3323.3
40°	2028.2	2047.6	2141.2	2354.4	2754.9	3190.9	3449.2	3843.2	3875.5	3927.2	3617.2
42.5°	1882.9	1921.6	2083.1	2305.9	2741.9	3223.2	3604.3	4095.2	4108.1	4198.5	3849.7
45°	1747.2	1760.1	1882.9	2138.0	2628.9	3271.6	3720.5	4379.4	4389.0	4447.2	4043.5
47.5°	1637.4	1653.6	1779.5	1995.9	2525.6	3258.7	3836.8	4653.9	4699.1	4763.7	4279.2
50°	1298.3	1333.8	1666.5	1873.2	2347.9	3236.1	3930.4	4983.3	5035.0	5096.3	4531.2
52.5°	1120.7	1136.8	1304.8	1750.5	2173.5	3139.2	4017.6	5319.2	5380.5	5348.2	4850.9
55°	1043.2	1052.9	1130.4	1508.2	2018.5	2955.1	4082.2	5632.5	5697.0	5542.0	5102.8
57.5°	988.3	1001.2	1046.4	1233.7	1844.1	2632.1	4088.7	5816.5	5839.1	5703.5	5206.1
60°	914.0	923.7	988.3	1078.7	1640.6	2293.0	3972.4	5897.3	6003.9	5874.7	5438.7
62.5°	859.1	868.8	910.8	978.6	1443.6	2021.7	3649.5	6149.2	6220.2	6045.8	5525.9
65°	794.5	794.5	836.5	904.3	1317.7	1857.0	3481.5	6068.4	5913.4	5997.4	5632.5
67.5°	700.8	707.3	749.3	804.2	1104.5	1698.8	3068.1	5693.8	5532.3	5764.9	5351.5
70°	623.3	616.9	662.1	704.1	904.3	1498.5	2541.7	5306.3	5438.7	5412.8	5093.1
72.5°	520.0	513.5	552.3	597.5	729.9	1243.4	2008.8	4925.2	5002.7	4841.2	4518.2
75°	403.7	364.9	419.9	478.0	574.9	985.0	1424.3	4079.0	4369.7	4563.4	3852.9
77.5°	64.6	64.6	80.7	113.0	187.3	500.6	636.2	2241.4	2570.8	3885.2	3378.2
80°	51.7	51.7	58.1	77.5	113.0	274.5	213.2	694.4	775.1	1676.2	1944.2
82.5°	29.1	29.1	42.0	51.7	71.1	84.0	93.7	339.1	377.9	594.2	752.5
85°	16.1	16.1	22.6	25.8	29.1	29.1	29.1	155.0	174.4	316.5	342.3
87.5°	9.7	9.7	9.7	9.7	9.7	6.5	3.2	3.2	3.2	3.2	3.2
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°	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2	1986.2
2.5°	1966.8	1957.1	1941.0	1928.1	1918.4	1908.7	1892.6	1882.9	1882.9	1899.0	1902.2
5°	1950.7	1928.1	1899.0	1886.1	1869.9	1853.8	1828.0	1815.0	1811.8	1821.5	1828.0
7.5°	1937.8	1905.5	1876.4	1844.1	1795.7	1753.7	1731.1	1714.9	1721.4	1737.5	1731.1
10°	1899.0	1869.9	1824.7	1776.3	1718.2	1682.6	1647.1	1627.7	1631.0	1640.6	1631.0
12.5°	1882.9	1844.1	1769.8	1711.7	1660.0	1592.2	1547.0	1517.9	1517.9	1534.1	1534.1
15°	1882.9	1824.7	1724.6	1653.6	1572.8	1505.0	1453.3	1427.5	1443.6	1433.9	1427.5
17.5°	1899.0	1808.6	1695.5	1576.1	1479.2	1411.3	1350.0	1314.5	1324.1	1330.6	1324.1
20°	1918.4	1808.6	1660.0	1514.7	1401.7	1304.8	1236.9	1198.2	1195.0	1198.2	1204.6
22.5°	1983.0	1850.6	1637.4	1475.9	1304.8	1211.1	1143.3	1075.5	1072.2	1069.0	1075.5
25°	2092.8	1928.1	1653.6	1404.9	1249.9	1111.0	1027.0	968.9	949.5	946.3	952.7
27.5°	2273.6	2063.7	1679.4	1395.2	1149.7	1023.8	920.4	855.8	836.5	842.9	839.7
30°	2470.7	2238.1	1753.7	1327.4	1091.6	894.6	797.7	742.8	723.4	710.5	713.7
32.5°	2616.0	2412.5	1847.3	1304.8	978.6	755.7	684.7	652.4	629.8	613.6	610.4
35°	2845.3	2561.1	1931.3	1253.1	878.5	665.3	607.2	571.6	558.7	549.0	549.0
37.5°	3064.9	2741.9	2015.3	1236.9	749.3	603.9	532.9	510.3	503.8	497.4	497.4
40°	3284.5	2926.0	2063.7	1172.4	645.9	529.7	461.8	458.6	468.3	461.8	465.1
42.5°	3555.8	3116.6	2112.2	1111.0	571.6	452.1	413.4	439.2	458.6	461.8	461.8
45°	3743.1	3245.8	2131.5	962.4	494.1	394.0	403.7	432.8	455.4	465.1	461.8
47.5°	3914.3	3420.2	2102.5	781.6	429.5	384.3	400.5	419.9	452.1	465.1	465.1
50°	4082.2	3565.5	2076.6	578.1	406.9	387.6	400.5	410.2	445.7	458.6	458.6
52.5°	4318.0	3681.8	1989.4	484.4	387.6	390.8	410.2	406.9	436.0	455.4	461.8
55°	4644.2	3953.0	1821.5	458.6	384.3	387.6	410.2	410.2	429.5	445.7	455.4
57.5°	4789.5	4069.3	1537.3	432.8	374.6	384.3	400.5	403.7	426.3	436.0	432.8
60°	4954.2	4214.6	1259.6	403.7	358.5	377.9	384.3	397.2	413.4	413.4	410.2
62.5°	5054.3	4250.2	1049.6	371.4	339.1	355.3	355.3	368.2	381.1	381.1	381.1
65°	5102.8	4214.6	784.8	342.3	316.5	329.4	326.2	332.7	342.3	326.2	326.2
67.5°	4912.2	4082.2	542.6	303.6	290.7	303.6	300.4	303.6	300.4	287.4	290.7
70°	4586.1	3710.8	374.6	258.4	255.1	277.7	281.0	274.5	255.1	245.5	245.5
72.5°	4175.9	2977.7	258.4	206.7	216.4	245.5	251.9	239.0	219.6	209.9	209.9
75°	3788.3	2574.0	184.1	142.1	145.3	187.3	200.2	200.2	193.8	258.4	274.5
77.5°	2635.4	1666.5	106.6	74.3	71.1	106.6	122.7	126.0	242.2	261.6	255.1
80°	1563.1	784.8	77.5	45.2	45.2	61.4	84.0	164.7	277.7	187.3	167.9
82.5°	597.5	300.4	48.4	29.1	25.8	32.3	48.4	255.1	161.5	106.6	96.9
85°	216.4	74.3	22.6	16.1	16.1	19.4	29.1	216.4	113.0	80.7	77.5
87.5°	3.2	3.2	6.5	6.5	6.5	3.2	3.2	6.5	6.5	6.5	3.2
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)