

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: P853454

Luminaire Tested: **CRTK-N-50-730-U-T2R**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853454
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-50-730-U-T2R
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

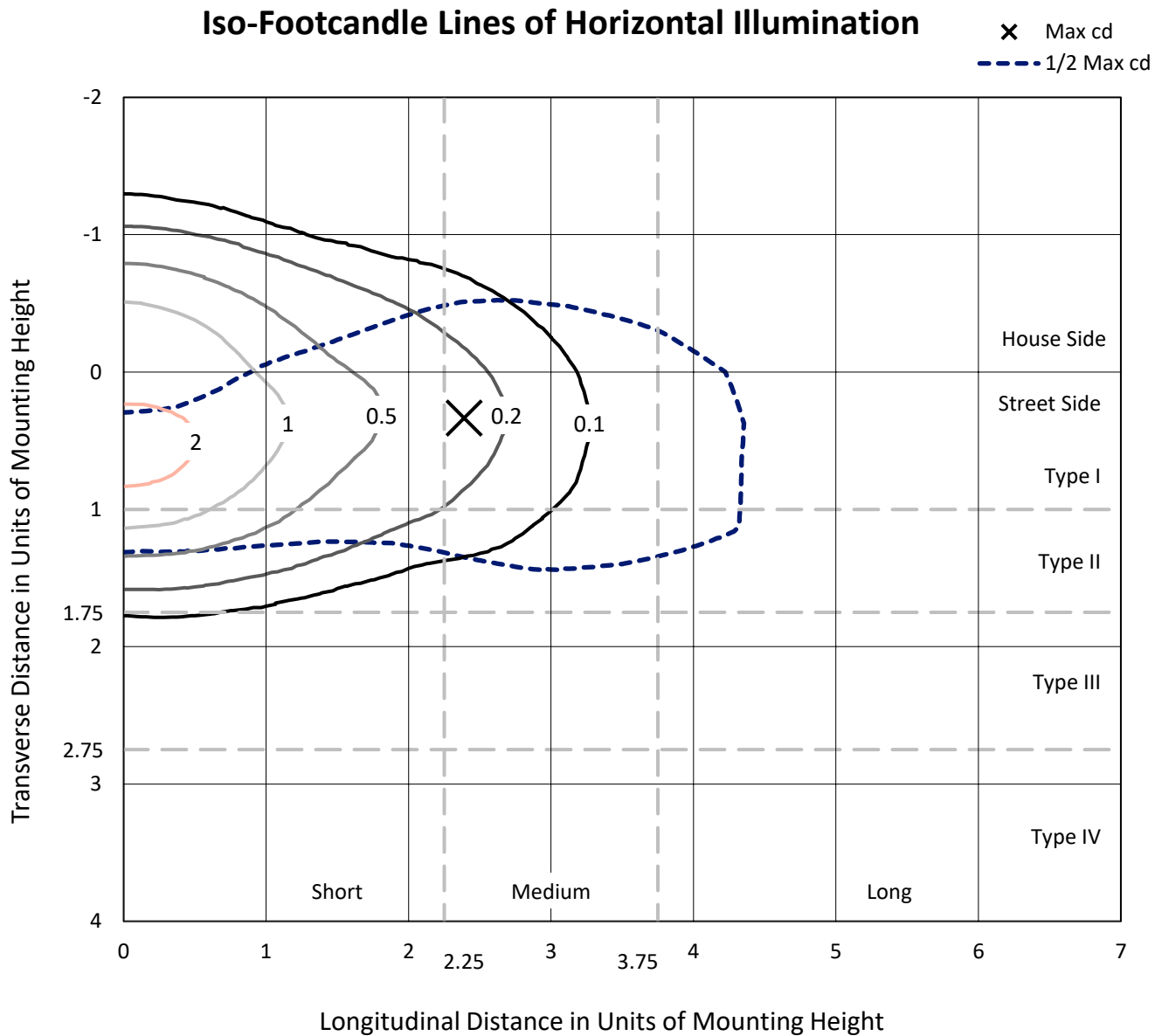
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6060 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 47.7
Input Voltage (V): 120.0
Input Current (Ain): 0.398
Voltage Rise (V): NR
Power Factor: 0.9969
Total Harmonic Distortion (THDi): 6.56%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

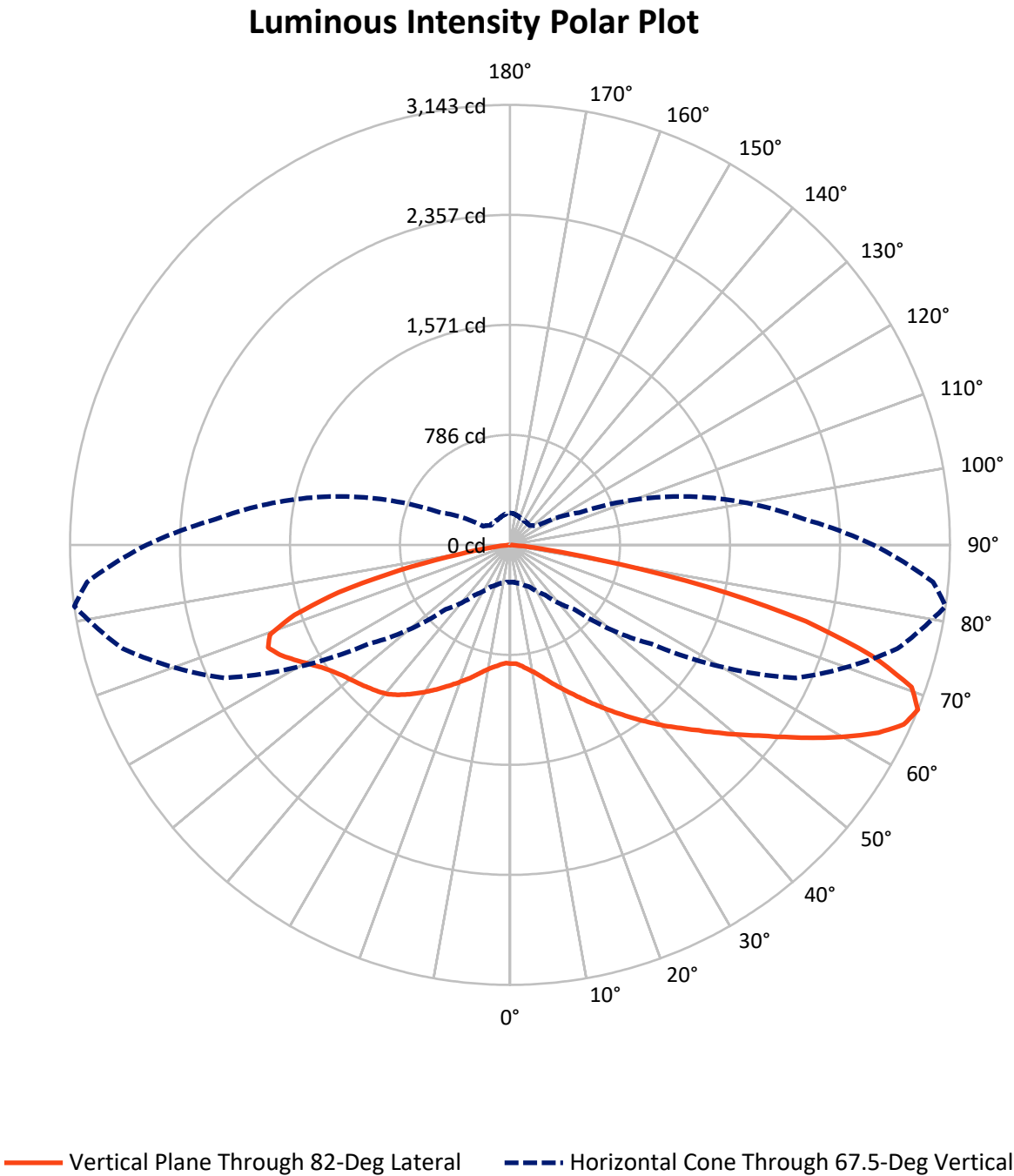


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Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
Type II - Medium - N/A

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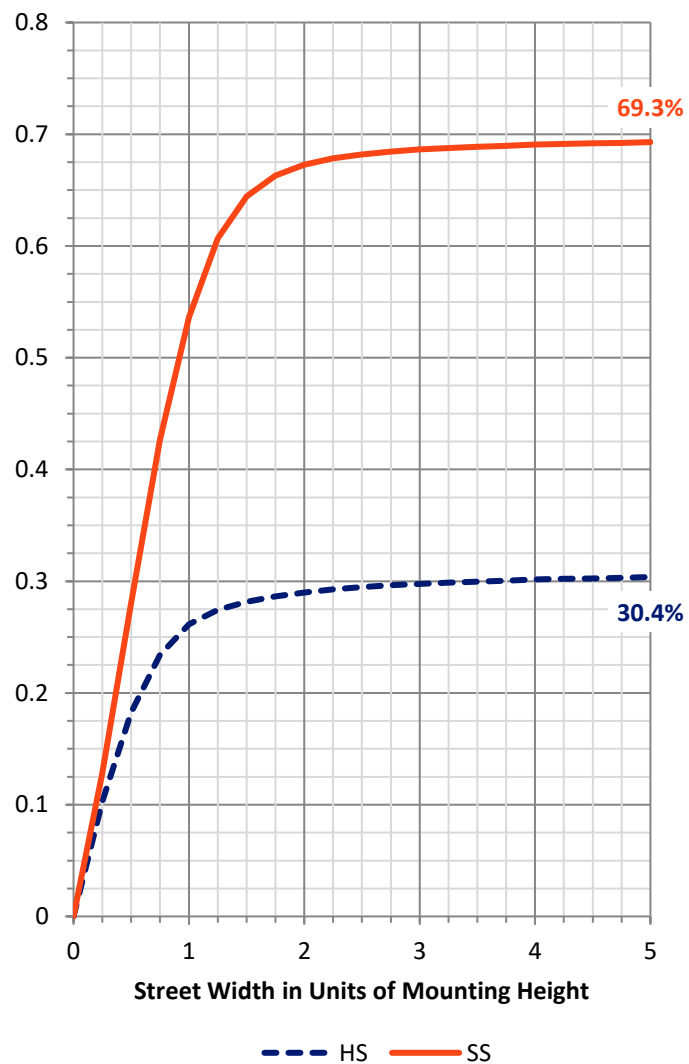
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1857.3	0.0	1857.3
	% Fixture	30.6	0.0	30.6
Street Side	Lumens	4202.7	0.0	4202.7
	% Fixture	69.4	0.0	69.4
Total	Lumens	6060.0	0.0	6060.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.8	1.4
10°-20°	316.1	5.2
20°-30°	635.6	10.5
30°-40°	1001.9	16.5
40°-50°	1227.6	20.3
50°-60°	1168.7	19.3
60°-70°	980.6	16.2
70°-80°	580.5	9.6
80°-90°	61.3	1.0
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°	6060.0	100.0
0°-180°	6060.0	100.0

Coefficient of Utilization



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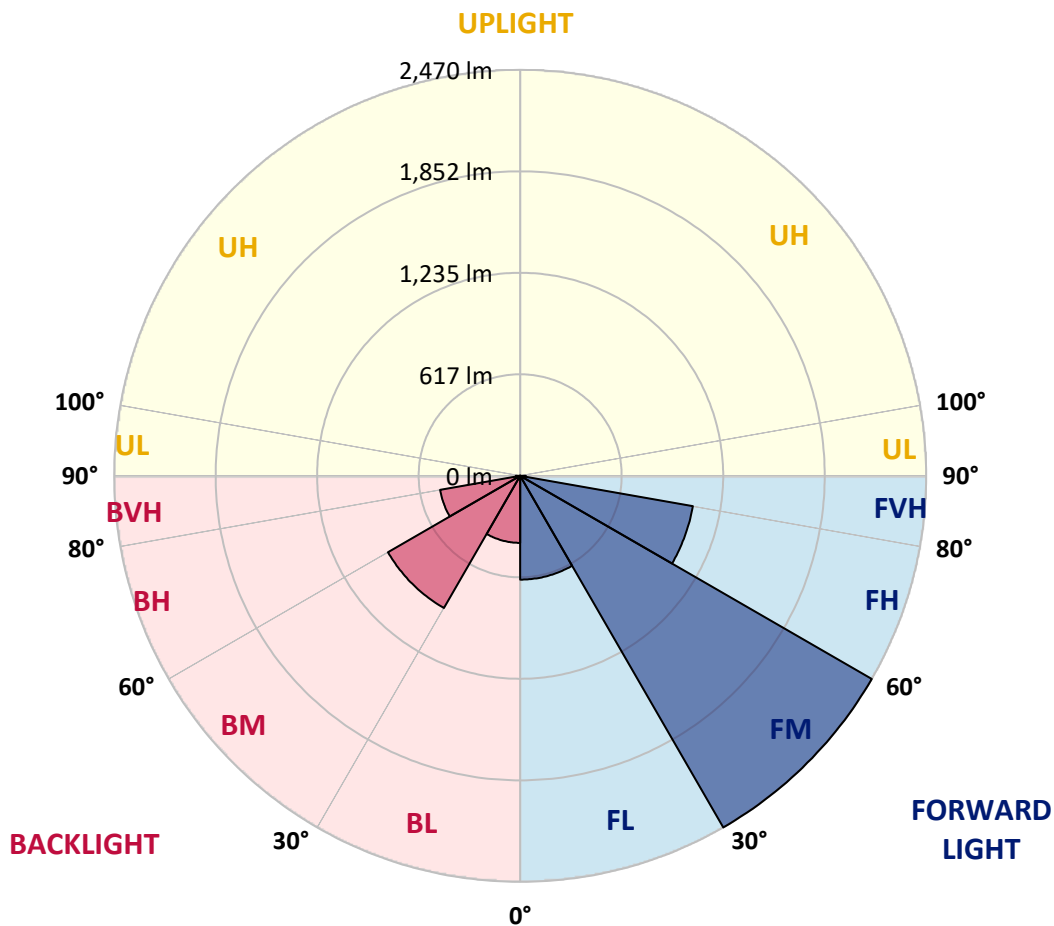
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	631.5	10.4			
FM	(30°-60°)	2469.6	40.8			
FH	(60°-80°)	1066.7	17.6			G1/1800
FVH	(80°-90°)	34.8	0.6			G1/100
BL	(0°-30°)	408.0	6.7	B1/500		
BM	(30°-60°)	928.5	15.3	B1/1000		
BH	(60°-80°)	494.4	8.2	B1/500		G1/500
BVH	(80°-90°)	26.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	848.1	848.1	848.1	848.1	848.1	848.1	848.1	848.1	848.1	848.1	848.1
2.5°	886.9	888.6	891.9	888.6	886.9	880.1	873.4	870.0	863.3	849.8	846.4
5°	969.5	971.2	974.6	961.1	954.3	935.8	918.9	903.7	886.9	868.3	865.0
7.5°	1070.7	1077.4	1072.4	1052.1	1031.9	1004.9	976.2	949.3	918.9	895.3	888.6
10°	1183.6	1193.7	1183.6	1153.3	1126.3	1082.5	1038.6	998.2	954.3	922.3	913.9
12.5°	1316.8	1318.5	1313.5	1271.3	1234.2	1173.5	1112.8	1058.9	1001.5	959.4	947.6
15°	1461.8	1473.6	1456.8	1404.5	1352.2	1274.7	1197.1	1128.0	1057.2	1004.9	991.4
17.5°	1618.6	1623.7	1610.2	1546.1	1480.4	1382.6	1286.5	1200.5	1114.5	1053.8	1036.9
20°	1782.2	1785.6	1768.7	1684.4	1611.9	1495.6	1380.9	1276.4	1175.2	1104.4	1082.5
22.5°	1950.8	1955.9	1925.5	1837.8	1748.5	1617.0	1482.1	1353.9	1242.6	1160.0	1133.0
25°	2153.1	2153.1	2114.4	2009.8	1901.9	1751.8	1598.4	1448.3	1316.8	1222.4	1188.7
27.5°	2360.5	2350.4	2316.7	2197.0	2067.1	1895.2	1723.2	1556.3	1401.1	1289.9	1251.1
30°	2547.7	2546.0	2505.5	2375.7	2227.3	2036.8	1846.3	1665.9	1490.5	1362.4	1318.5
32.5°	2684.2	2685.9	2648.8	2529.1	2372.3	2175.1	1969.3	1773.8	1578.2	1438.2	1392.7
35°	2783.7	2783.7	2753.4	2647.2	2498.8	2306.6	2097.5	1888.4	1674.3	1520.8	1472.0
37.5°	2815.8	2809.0	2795.5	2714.6	2586.5	2417.8	2223.9	2009.8	1775.4	1606.8	1547.8
40°	2766.9	2753.4	2766.9	2718.0	2625.2	2497.1	2333.5	2132.9	1881.7	1697.9	1627.1
42.5°	2662.3	2643.8	2670.8	2647.2	2606.7	2537.6	2416.2	2249.2	1993.0	1788.9	1706.3
45°	2525.8	2500.5	2532.5	2527.4	2520.7	2525.8	2465.1	2352.1	2114.4	1890.1	1797.4
47.5°	2325.1	2288.0	2355.5	2382.4	2406.0	2460.0	2470.1	2434.7	2242.5	2006.4	1896.8
50°	1999.7	1971.0	2089.1	2188.5	2262.7	2353.8	2426.3	2481.9	2372.3	2131.2	2006.4
52.5°	1583.2	1552.9	1713.1	1917.1	2082.3	2223.9	2335.2	2492.0	2497.1	2264.4	2131.2
55°	1151.6	1161.7	1310.1	1554.6	1836.1	2073.9	2220.6	2466.7	2611.7	2424.6	2283.0
57.5°	817.8	826.2	954.3	1158.3	1517.5	1880.0	2112.7	2409.4	2721.3	2599.9	2458.3
60°	558.1	583.4	677.8	832.9	1158.3	1613.6	2003.1	2340.3	2804.0	2777.0	2643.8
62.5°	409.7	423.2	482.2	598.6	826.2	1276.4	1839.5	2291.4	2857.9	2954.0	2804.0
65°	318.7	325.4	359.1	436.7	591.8	929.0	1578.2	2281.3	2878.1	3092.3	2965.8
67.5°	266.4	266.4	284.9	330.5	435.0	650.8	1234.2	2249.2	2864.7	3142.9	3033.3
70°	224.2	222.6	237.7	266.4	327.1	463.7	870.0	2097.5	2792.2	3043.4	2949.0
72.5°	182.1	182.1	202.3	220.9	256.3	337.2	569.9	1772.1	2573.0	2701.1	2632.0
75°	146.7	145.0	160.2	185.5	202.3	246.2	357.5	1289.9	2191.9	2183.5	2109.3
77.5°	113.0	111.3	124.8	151.7	163.6	182.1	232.7	777.3	1520.8	1445.0	1450.0
80°	86.0	82.6	91.0	111.3	114.7	118.0	129.8	317.0	682.9	623.9	622.2
82.5°	54.0	54.0	57.3	70.8	67.4	69.1	59.0	106.2	241.1	205.7	212.4
85°	20.2	20.2	25.3	30.3	27.0	25.3	18.5	23.6	37.1	28.7	27.0
87.5°	1.7	1.7	1.7	3.4	3.4	3.4	1.7	1.7	1.7	1.7	3.4
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°	848.1	848.1	848.1	848.1	848.1	848.1	848.1	848.1	848.1	848.1	848.1
2.5°	844.7	844.7	844.7	846.4	841.4	838.0	832.9	829.6	829.6	831.2	834.6
5°	859.9	858.2	856.5	856.5	851.5	848.1	844.7	841.4	841.4	844.7	844.7
7.5°	880.1	876.8	871.7	871.7	868.3	865.0	863.3	859.9	861.6	863.3	865.0
10°	902.1	897.0	891.9	891.9	888.6	885.2	885.2	880.1	881.8	883.5	885.2
12.5°	932.4	927.3	917.2	920.6	917.2	913.9	910.5	905.4	902.1	905.4	905.4
15°	971.2	962.8	952.6	956.0	951.0	944.2	939.1	929.0	925.7	925.7	927.3
17.5°	1011.7	1001.5	988.0	991.4	983.0	971.2	959.4	947.6	942.5	940.8	940.8
20°	1053.8	1038.6	1021.8	1025.1	1008.3	989.7	972.9	952.6	944.2	940.8	940.8
22.5°	1096.0	1079.1	1057.2	1053.8	1028.5	999.8	972.9	947.6	932.4	929.0	927.3
25°	1144.9	1122.9	1094.3	1084.2	1047.1	1004.9	966.1	934.1	915.5	910.5	908.8
27.5°	1198.8	1170.1	1133.0	1109.4	1057.2	999.8	949.3	910.5	888.6	880.1	880.1
30°	1252.8	1219.0	1168.5	1128.0	1055.5	983.0	922.3	875.1	849.8	838.0	838.0
32.5°	1313.5	1267.9	1202.2	1136.4	1043.7	956.0	885.2	831.2	800.9	787.4	785.7
35°	1379.2	1323.6	1230.8	1139.8	1025.1	922.3	843.0	784.0	753.7	736.8	735.1
37.5°	1448.3	1377.5	1252.8	1134.7	999.8	883.5	797.5	738.5	698.0	671.1	669.4
40°	1510.7	1428.1	1269.6	1121.2	967.8	841.4	750.3	671.1	615.4	585.1	581.7
42.5°	1568.1	1463.5	1278.1	1101.0	932.4	790.8	684.6	585.1	527.7	497.4	495.7
45°	1630.4	1500.6	1276.4	1077.4	885.2	733.4	601.9	500.8	450.2	424.9	423.2
47.5°	1697.9	1537.7	1276.4	1050.4	832.9	659.3	519.3	428.3	381.1	359.1	357.5
50°	1768.7	1578.2	1271.3	1018.4	772.2	571.6	438.4	359.1	322.0	305.2	305.2
52.5°	1853.0	1622.0	1269.6	979.6	699.7	485.6	365.9	303.5	274.8	266.4	266.4
55°	1954.2	1676.0	1273.0	932.4	615.4	401.3	308.6	264.7	247.9	244.5	244.5
57.5°	2080.6	1745.1	1283.1	880.1	522.7	328.8	266.4	242.8	237.7	236.1	236.1
60°	2222.3	1829.4	1301.7	821.1	433.3	274.8	241.1	232.7	231.0	237.7	237.7
62.5°	2370.6	1923.8	1332.0	745.2	354.1	237.7	225.9	222.6	224.2	236.1	236.1
65°	2508.9	2021.6	1357.3	657.6	284.9	215.8	212.4	212.4	220.9	234.4	234.4
67.5°	2596.6	2109.3	1333.7	546.3	232.7	197.3	199.0	200.6	214.1	225.9	227.6
70°	2562.9	2104.2	1195.4	413.1	192.2	180.4	185.5	188.8	197.3	214.1	219.2
72.5°	2328.5	1912.0	927.3	281.6	161.9	161.9	170.3	175.4	180.4	197.3	207.4
75°	1942.4	1549.5	618.8	185.5	134.9	146.7	155.1	156.8	161.9	177.0	182.1
77.5°	1359.0	1011.7	340.6	124.8	106.2	119.7	129.8	136.6	143.3	150.1	153.4
80°	595.2	450.2	163.6	82.6	79.2	89.4	97.8	111.3	123.1	134.9	136.6
82.5°	195.6	158.5	74.2	47.2	47.2	57.3	65.8	82.6	96.1	114.7	114.7
85°	27.0	20.2	21.9	18.5	20.2	27.0	33.7	43.8	48.9	48.9	42.2
87.5°	3.4	3.4	3.4	3.4	3.4	5.1	5.1	5.1	3.4	3.4	1.7
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)