

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: P690850

Luminaire Tested: **CRTK2-C01-5TLD-U-T2-7050-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690850
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-C01-5TLD-U-T2-7050-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8473 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

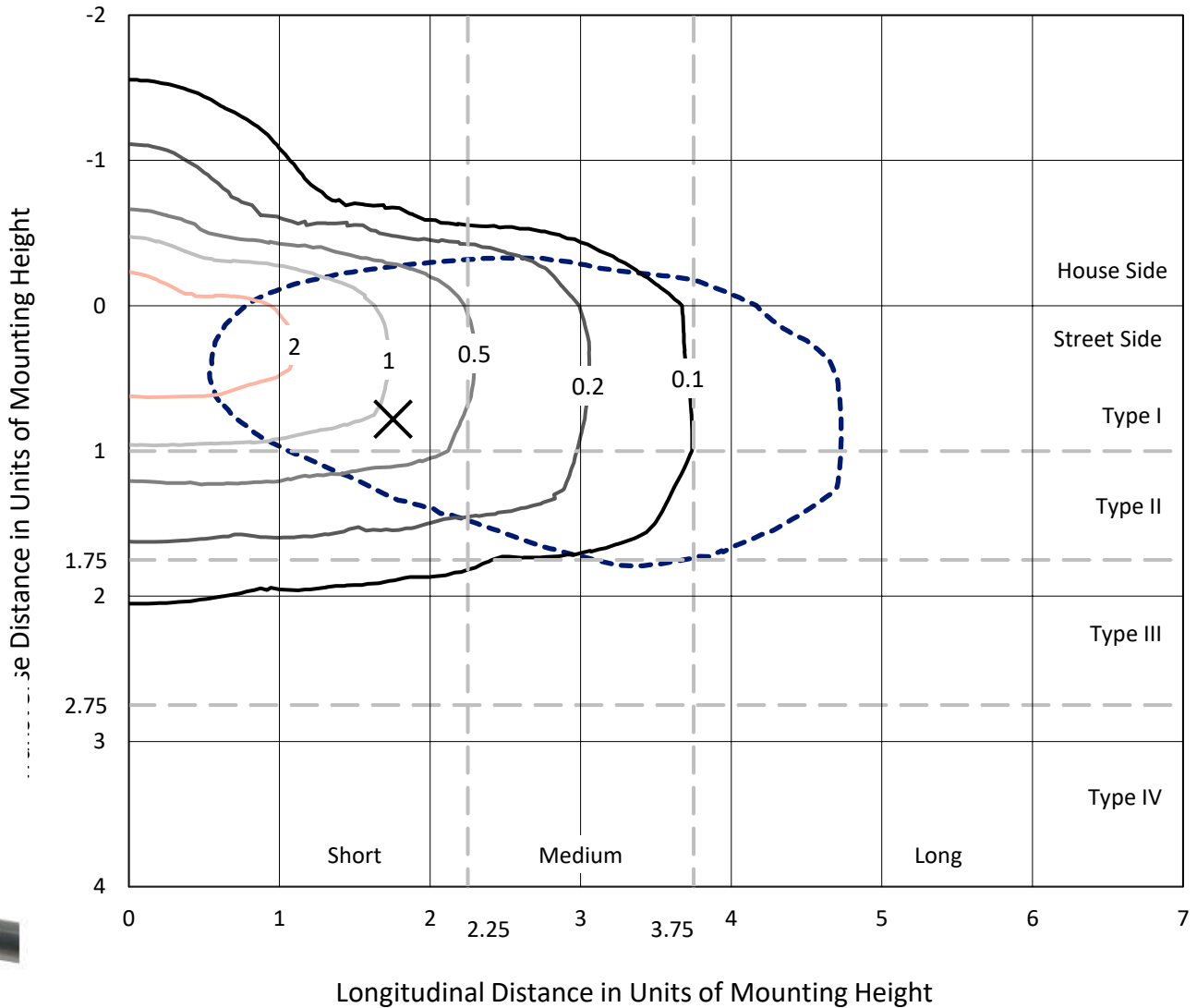
Input Watts (W): 60
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

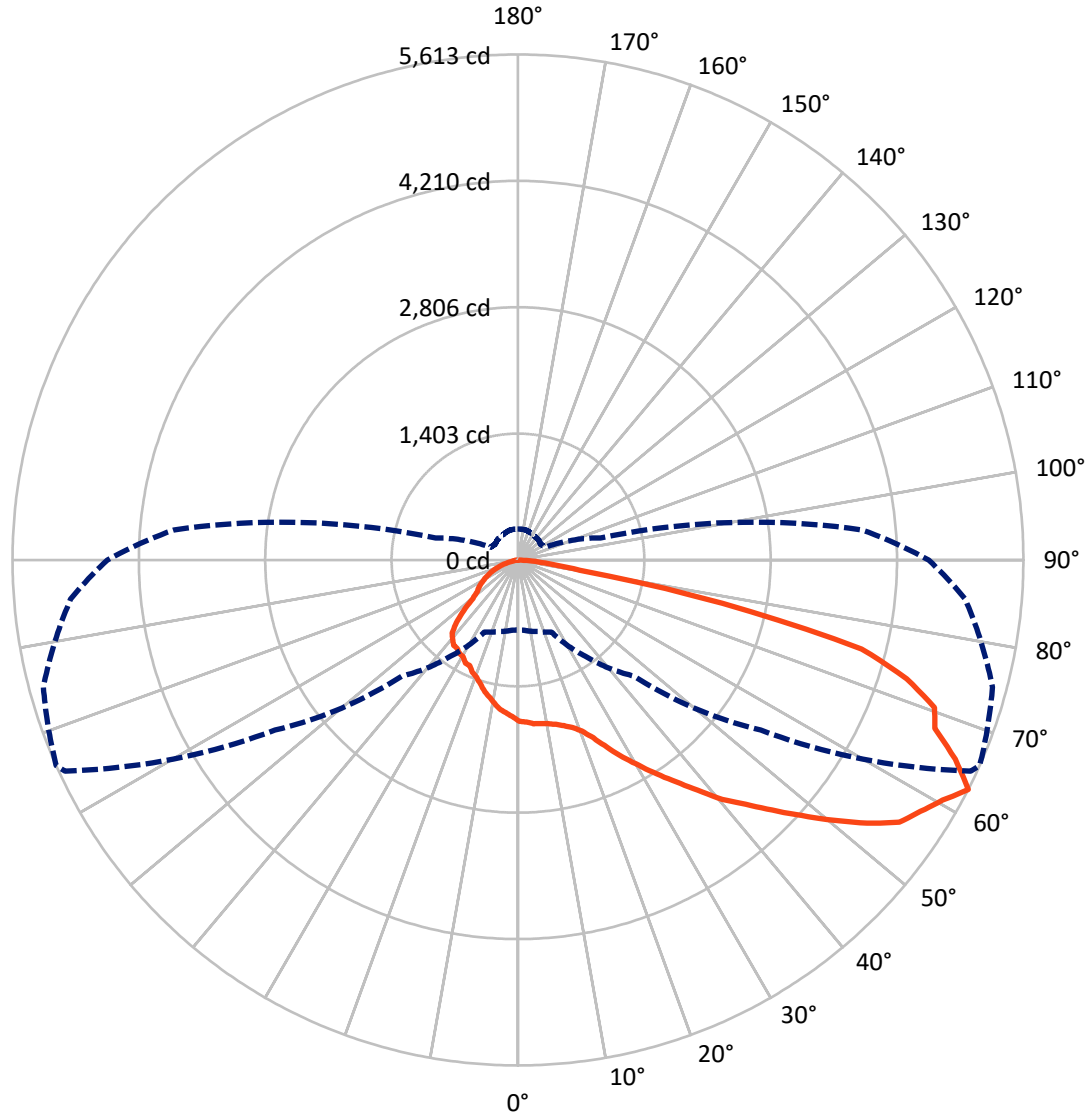
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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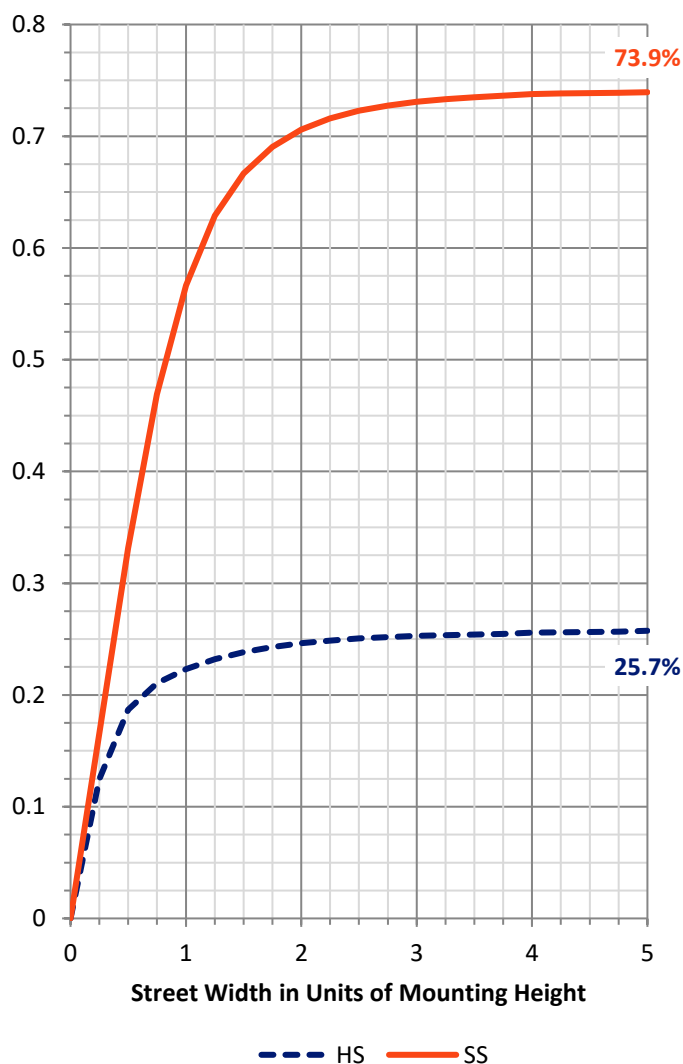
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2214.0	0.0	2214.0
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	6259.0	0.0	6259.0
	% Fixture	73.9	0.0	73.9
Total	Lumens	8473.0	0.0	8473.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.7	2.0
10°-20°	475.8	5.6
20°-30°	772.6	9.1
30°-40°	1114.3	13.2
40°-50°	1449.5	17.1
50°-60°	1683.6	19.9
60°-70°	1665.7	19.7
70°-80°	1031.8	12.2
80°-90°	112.0	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°	8473.0	100.0
0°-180°	8473.0	100.0

Coefficient of Utilization

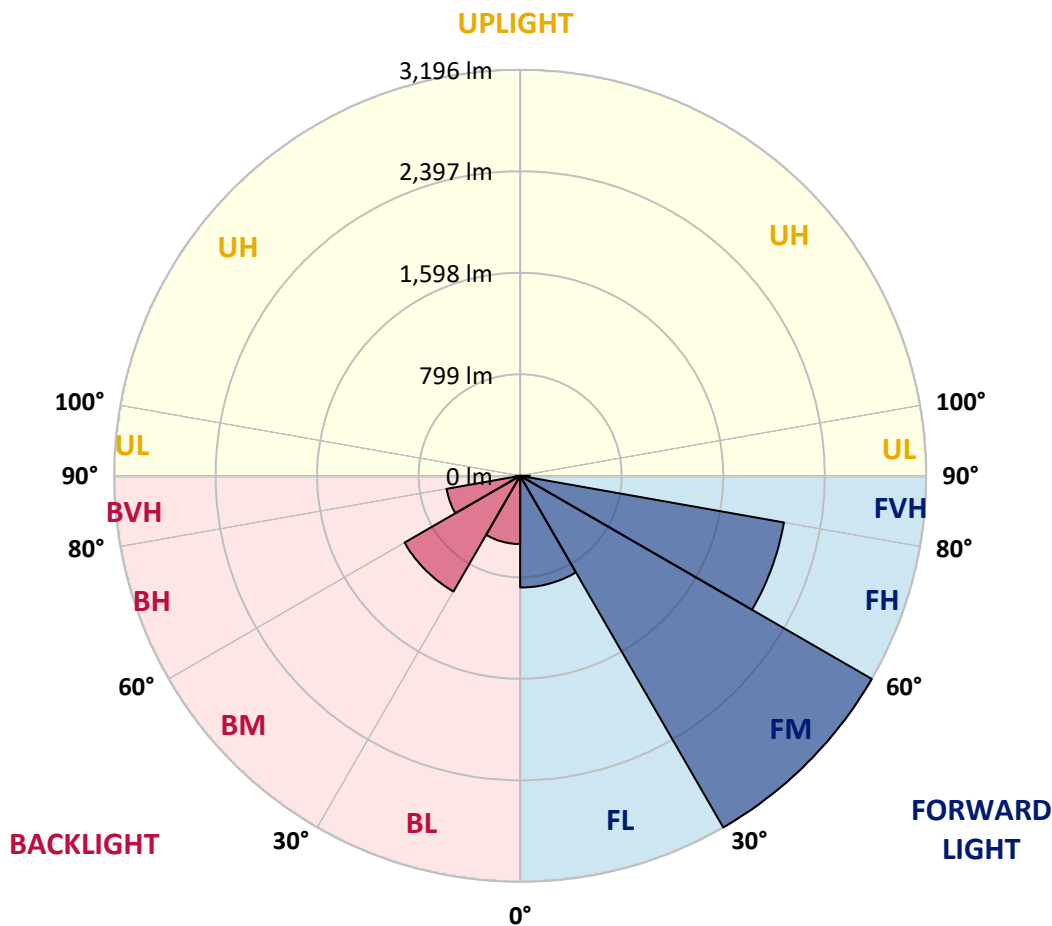


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	879.1	10.4			
FM (30°-60°)	3196.2	37.7			
FH (60°-80°)	2108.7	24.9			G2/5000
FVH (80°-90°)	75.1	0.9			G1/100
BL (0°-30°)	537.1	6.3	B2/1000		
BM (30°-60°)	1051.2	12.4	B2/2500		
BH (60°-80°)	588.8	6.9	B2/1000		G2/1000
BVH (80°-90°)	36.9	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°	1792.2	1792.2	1792.2	1792.2	1792.2	1792.2	1792.2	1792.2	1792.2	1792.2	1792.2
2.5°	1856.4	1856.4	1862.2	1841.8	1830.1	1821.4	1812.6	1803.9	1801.0	1792.2	1780.6
5°	1938.0	1938.0	1940.9	1920.5	1897.2	1870.9	1844.7	1827.2	1827.2	1806.8	1777.7
7.5°	1981.7	1981.7	1981.7	1958.4	1943.8	1926.3	1885.5	1836.0	1833.0	1812.6	1771.8
10°	1981.7	1981.7	1993.3	1958.4	1946.7	1929.2	1905.9	1853.4	1847.6	1801.0	1745.6
12.5°	2016.6	2022.5	2016.6	1978.8	1967.1	1952.5	1920.5	1876.8	1873.8	1812.6	1734.0
15°	2066.2	2069.1	2060.4	2034.1	2022.5	1999.2	1961.3	1914.6	1908.8	1836.0	1742.7
17.5°	2077.8	2080.8	2086.6	2054.5	2054.5	2045.8	2025.4	1970.0	1955.4	1891.3	1768.9
20°	2072.0	2074.9	2083.7	2077.8	2080.8	2074.9	2089.5	2042.9	2025.4	1955.4	1809.7
22.5°	2098.2	2104.1	2121.6	2124.5	2136.1	2147.8	2153.6	2156.5	2144.9	2063.3	1894.2
25°	2107.0	2124.5	2147.8	2179.8	2220.6	2244.0	2276.0	2308.1	2305.1	2223.6	2034.1
27.5°	2066.2	2086.6	2159.4	2209.0	2299.3	2363.4	2436.3	2480.0	2480.0	2413.0	2194.4
30°	2104.1	2112.8	2150.7	2220.6	2325.5	2471.3	2584.9	2640.3	2646.1	2602.4	2351.8
32.5°	2025.4	2045.8	2139.0	2273.1	2433.4	2593.7	2707.3	2826.8	2832.6	2818.1	2582.0
35°	2016.6	2028.3	2080.8	2223.6	2430.5	2707.3	2858.9	3010.4	3025.0	3042.4	2806.4
37.5°	1926.3	1949.6	2051.6	2229.4	2512.1	2783.1	2987.1	3220.2	3243.5	3298.9	2998.7
40°	1830.1	1847.6	1932.1	2124.5	2485.8	2879.3	3112.4	3467.9	3497.1	3543.7	3263.9
42.5°	1699.0	1734.0	1879.7	2080.8	2474.2	2908.4	3252.3	3695.2	3706.9	3788.5	3473.8
45°	1576.6	1588.3	1699.0	1929.2	2372.2	2952.1	3357.2	3951.7	3960.4	4012.9	3648.6
47.5°	1477.5	1492.1	1605.7	1801.0	2278.9	2940.4	3462.1	4199.4	4240.2	4298.5	3861.3
50°	1171.5	1203.6	1503.7	1690.2	2118.6	2920.0	3546.6	4496.6	4543.3	4598.6	4088.7
52.5°	1011.2	1025.8	1177.3	1579.5	1961.3	2832.6	3625.3	4799.7	4855.1	4826.0	4377.2
55°	941.3	950.0	1020.0	1360.9	1821.4	2666.5	3683.6	5082.4	5140.7	5000.8	4604.5
57.5°	891.8	903.4	944.2	1113.2	1664.0	2375.1	3689.4	5248.5	5268.9	5146.5	4697.7
60°	824.7	833.5	891.8	973.3	1480.4	2069.1	3584.5	5321.4	5417.5	5301.0	4907.5
62.5°	775.2	783.9	821.8	883.0	1302.7	1824.3	3293.1	5548.7	5612.8	5455.4	4986.2
65°	716.9	716.9	754.8	816.0	1189.0	1675.7	3141.5	5475.8	5335.9	5411.7	5082.4
67.5°	632.4	638.2	676.1	725.6	996.7	1532.9	2768.5	5137.8	4992.1	5201.9	4828.9
70°	562.4	556.6	597.4	635.3	816.0	1352.2	2293.5	4788.1	4907.5	4884.2	4595.7
72.5°	469.2	463.4	498.3	539.1	658.6	1122.0	1812.6	4444.2	4514.1	4368.4	4077.0
75°	364.3	329.3	378.8	431.3	518.7	888.8	1285.2	3680.7	3942.9	4117.8	3476.7
77.5°	58.3	58.3	72.9	102.0	169.0	451.7	574.1	2022.5	2319.7	3505.8	3048.3
80°	46.6	46.6	52.5	69.9	102.0	247.7	192.3	626.6	699.4	1512.5	1754.4
82.5°	26.2	26.2	37.9	46.6	64.1	75.8	84.5	306.0	341.0	536.2	679.0
85°	14.6	14.6	20.4	23.3	26.2	26.2	26.2	139.9	157.4	285.6	308.9
87.5°	8.7	8.7	8.7	8.7	8.7	5.8	2.9	2.9	2.9	2.9	2.9
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°	1792.2	1792.2	1792.2	1792.2	1792.2	1792.2	1792.2	1792.2	1792.2	1792.2	1792.2
2.5°	1774.8	1766.0	1751.4	1739.8	1731.0	1722.3	1707.7	1699.0	1699.0	1713.6	1716.5
5°	1760.2	1739.8	1713.6	1701.9	1687.3	1672.8	1649.4	1637.8	1634.9	1643.6	1649.4
7.5°	1748.5	1719.4	1693.2	1664.0	1620.3	1582.4	1562.0	1547.5	1553.3	1567.9	1562.0
10°	1713.6	1687.3	1646.5	1602.8	1550.4	1518.3	1486.3	1468.8	1471.7	1480.4	1471.7
12.5°	1699.0	1664.0	1597.0	1544.5	1497.9	1436.7	1395.9	1369.7	1369.7	1384.3	1384.3
15°	1699.0	1646.5	1556.2	1492.1	1419.2	1358.0	1311.4	1288.1	1302.7	1293.9	1288.1
17.5°	1713.6	1632.0	1530.0	1422.1	1334.7	1273.5	1218.1	1186.1	1194.8	1200.7	1194.8
20°	1731.0	1632.0	1497.9	1366.8	1264.8	1177.3	1116.1	1081.2	1078.3	1081.2	1087.0
22.5°	1789.3	1669.8	1477.5	1331.8	1177.3	1092.8	1031.6	970.4	967.5	964.6	970.4
25°	1888.4	1739.8	1492.1	1267.7	1127.8	1002.5	926.7	874.3	856.8	853.9	859.7
27.5°	2051.6	1862.2	1515.4	1258.9	1037.5	923.8	830.6	772.3	754.8	760.6	757.7
30°	2229.4	2019.6	1582.4	1197.7	985.0	807.2	719.8	670.3	652.8	641.1	644.0
32.5°	2360.5	2176.9	1666.9	1177.3	883.0	681.9	617.8	588.7	568.3	553.7	550.8
35°	2567.4	2311.0	1742.7	1130.7	792.7	600.3	547.9	515.8	504.2	495.4	495.4
37.5°	2765.6	2474.2	1818.5	1116.1	676.1	545.0	480.8	460.4	454.6	448.8	448.8
40°	2963.8	2640.3	1862.2	1057.9	582.8	477.9	416.7	413.8	422.6	416.7	419.6
42.5°	3208.6	2812.2	1905.9	1002.5	515.8	408.0	373.0	396.3	413.8	416.7	416.7
45°	3377.6	2928.8	1923.4	868.4	445.9	355.5	364.3	390.5	410.9	419.6	416.7
47.5°	3532.0	3086.2	1897.2	705.2	387.6	346.8	361.4	378.8	408.0	419.6	419.6
50°	3683.6	3217.3	1873.8	521.6	367.2	349.7	361.4	370.1	402.2	413.8	413.8
52.5°	3896.3	3322.2	1795.2	437.1	349.7	352.6	370.1	367.2	393.4	410.9	416.7
55°	4190.6	3567.0	1643.6	413.8	346.8	349.7	370.1	370.1	387.6	402.2	410.9
57.5°	4321.8	3671.9	1387.2	390.5	338.0	346.8	361.4	364.3	384.7	393.4	390.5
60°	4470.4	3803.1	1136.5	364.3	323.5	341.0	346.8	358.4	373.0	373.0	370.1
62.5°	4560.8	3835.1	947.1	335.1	306.0	320.6	320.6	332.2	343.9	343.9	343.9
65°	4604.5	3803.1	708.2	308.9	285.6	297.3	294.3	300.2	308.9	294.3	294.3
67.5°	4432.5	3683.6	489.6	273.9	262.3	273.9	271.0	273.9	271.0	259.4	262.3
70°	4138.2	3348.4	338.0	233.1	230.2	250.6	253.5	247.7	230.2	221.5	221.5
72.5°	3768.1	2686.9	233.1	186.5	195.3	221.5	227.3	215.7	198.2	189.4	189.4
75°	3418.4	2322.6	166.1	128.2	131.1	169.0	180.7	180.7	174.9	233.1	247.7
77.5°	2378.0	1503.7	96.2	67.0	64.1	96.2	110.7	113.7	218.6	236.1	230.2
80°	1410.5	708.2	69.9	40.8	40.8	55.4	75.8	148.6	250.6	169.0	151.5
82.5°	539.1	271.0	43.7	26.2	23.3	29.1	43.7	230.2	145.7	96.2	87.4
85°	195.3	67.0	20.4	14.6	14.6	17.5	26.2	195.3	102.0	72.9	69.9
87.5°	2.9	2.9	5.8	5.8	5.8	2.9	2.9	5.8	5.8	5.8	2.9
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)