

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: P691770

Luminaire Tested: **CRTK2-C01H-5TLD-U-T2-7050-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691770
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-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: 9834 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

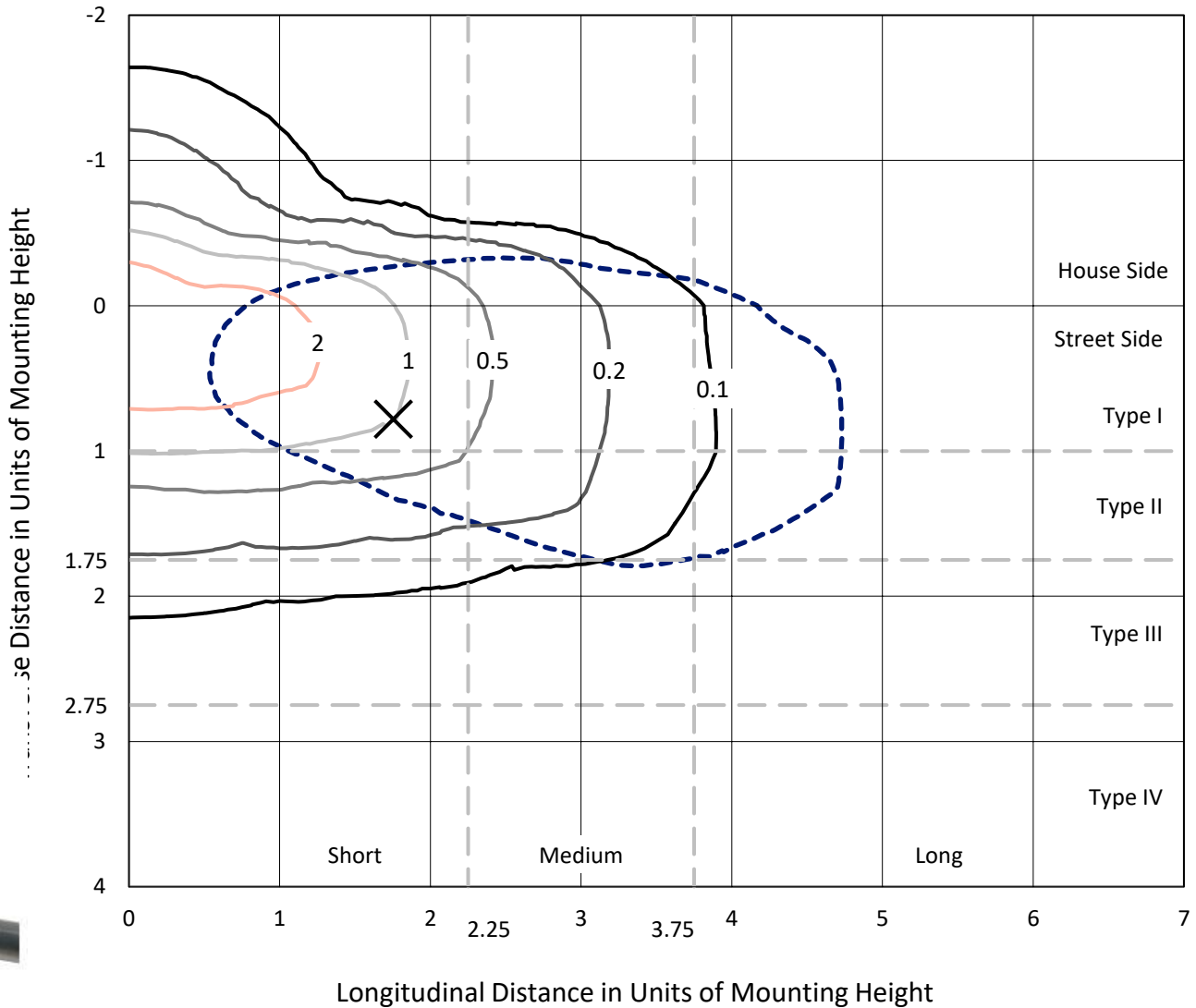
Input Watts (W): 74.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

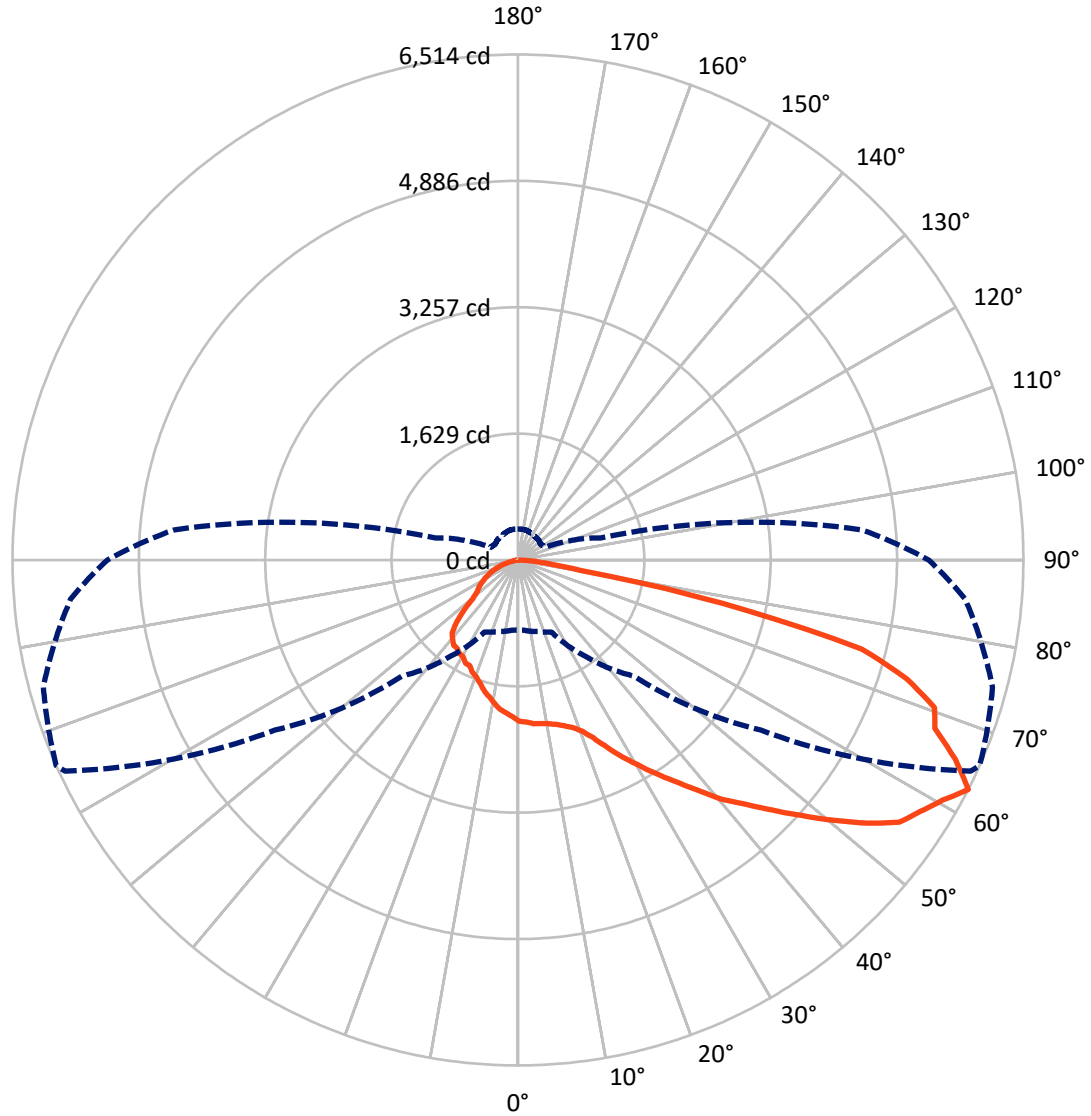
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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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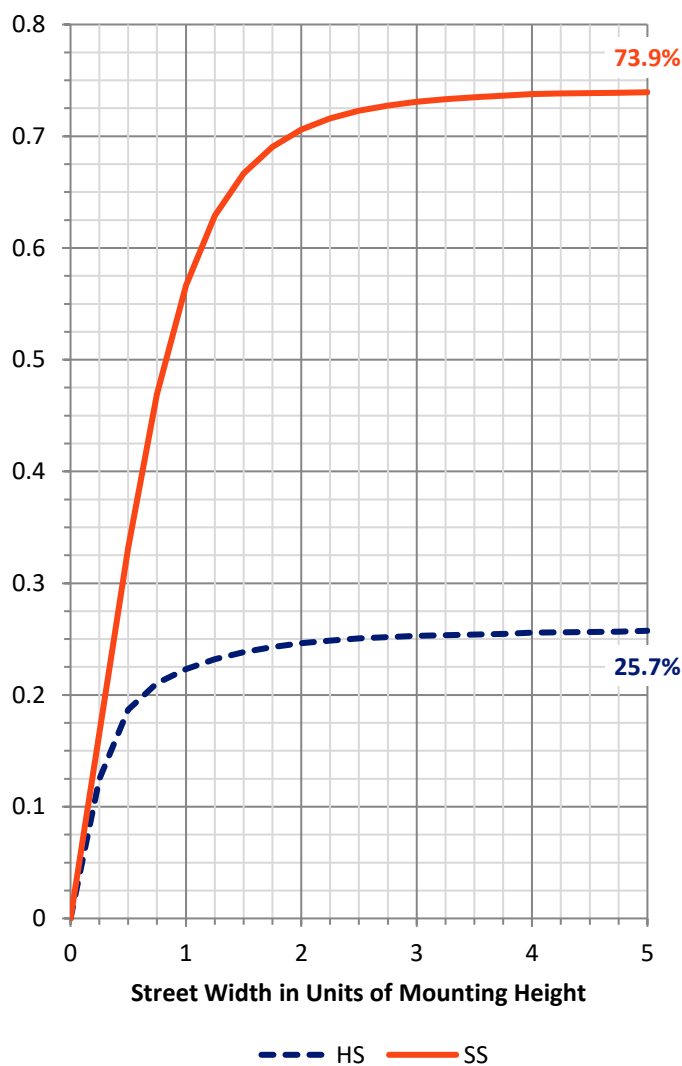
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2569.6	0.0	2569.6
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	7264.4	0.0	7264.4
	% Fixture	73.9	0.0	73.9
Total	Lumens	9834.0	0.0	9834.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.6	2.0
10°-20°	552.3	5.6
20°-30°	896.7	9.1
30°-40°	1293.3	13.2
40°-50°	1682.3	17.1
50°-60°	1954.0	19.9
60°-70°	1933.2	19.7
70°-80°	1197.5	12.2
80°-90°	130.0	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°	9834.0	100.0
0°-180°	9834.0	100.0

Coefficient of Utilization

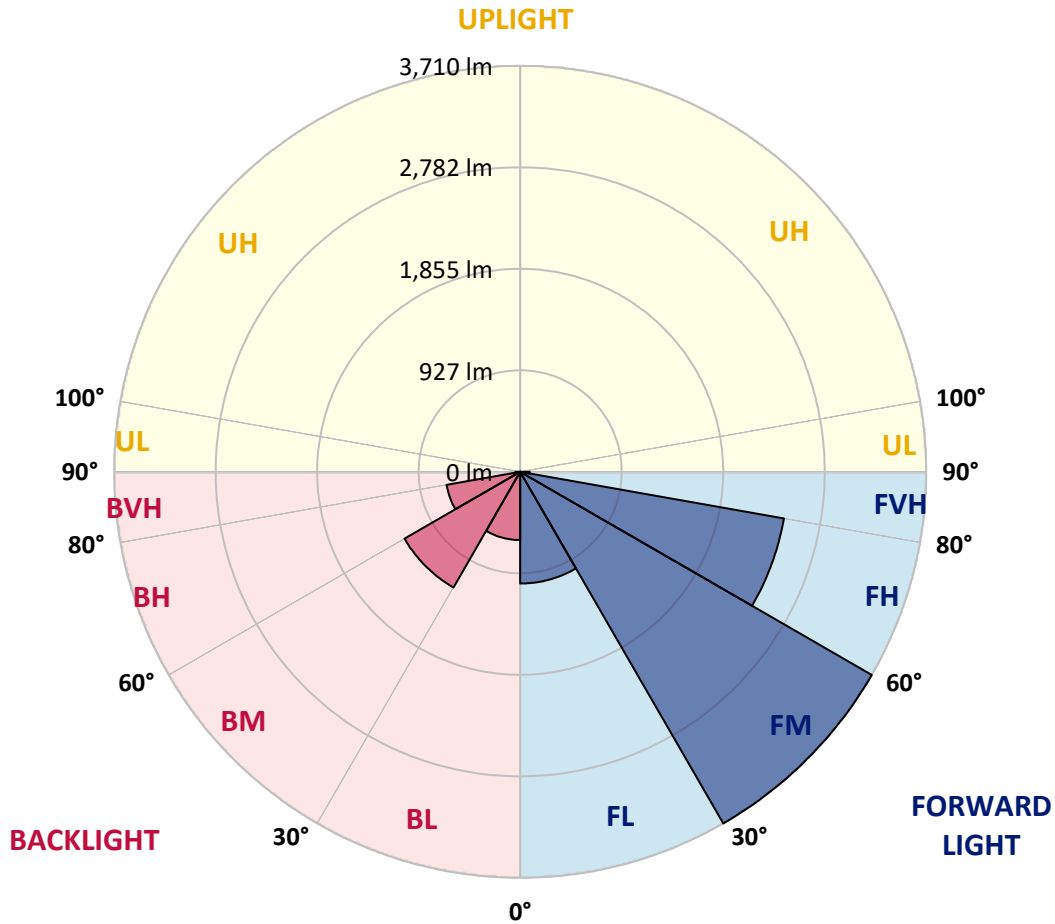


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1020.3	10.4			
FM (30°-60°)	3709.6	37.7			
FH (60°-80°)	2447.4	24.9			G2/5000
FVH (80°-90°)	87.2	0.9			G1/100
BL (0°-30°)	623.3	6.3	B2/1000		
BM (30°-60°)	1220.1	12.4	B2/2500		
BH (60°-80°)	683.3	6.9	B2/1000		G2/1000
BVH (80°-90°)	42.8	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°	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1
2.5°	2154.5	2154.5	2161.3	2137.6	2124.1	2114.0	2103.8	2093.7	2090.3	2080.1	2066.6
5°	2249.2	2249.2	2252.6	2229.0	2201.9	2171.5	2141.0	2120.7	2120.7	2097.0	2063.2
7.5°	2300.0	2300.0	2300.0	2272.9	2256.0	2235.7	2188.4	2130.9	2127.5	2103.8	2056.5
10°	2300.0	2300.0	2313.5	2272.9	2259.4	2239.1	2212.0	2151.2	2144.4	2090.3	2026.0
12.5°	2340.6	2347.3	2340.6	2296.6	2283.1	2266.2	2229.0	2178.2	2174.8	2103.8	2012.5
15°	2398.1	2401.5	2391.3	2360.9	2347.3	2320.3	2276.3	2222.2	2215.4	2130.9	2022.6
17.5°	2411.6	2415.0	2421.7	2384.5	2384.5	2374.4	2350.7	2286.5	2269.5	2195.1	2053.1
20°	2404.8	2408.2	2418.4	2411.6	2415.0	2408.2	2425.1	2371.0	2350.7	2269.5	2100.4
22.5°	2435.3	2442.0	2462.3	2465.7	2479.2	2492.8	2499.5	2502.9	2489.4	2394.7	2198.5
25°	2445.4	2465.7	2492.8	2530.0	2577.3	2604.4	2641.6	2678.8	2675.4	2580.7	2360.9
27.5°	2398.1	2421.7	2506.3	2563.8	2668.7	2743.1	2827.6	2878.4	2878.4	2800.6	2546.9
30°	2442.0	2452.2	2496.2	2577.3	2699.1	2868.2	3000.1	3064.4	3071.2	3020.4	2729.5
32.5°	2350.7	2374.4	2482.6	2638.2	2824.2	3010.3	3142.2	3280.9	3287.6	3270.7	2996.7
35°	2340.6	2354.1	2415.0	2580.7	2820.9	3142.2	3318.1	3493.9	3510.9	3531.1	3257.2
37.5°	2235.7	2262.8	2381.2	2587.5	2915.6	3230.1	3466.9	3737.5	3764.5	3828.8	3480.4
40°	2124.1	2144.4	2242.5	2465.7	2885.1	3341.7	3612.3	4025.0	4058.8	4112.9	3788.2
42.5°	1971.9	2012.5	2181.6	2415.0	2871.6	3375.6	3774.7	4288.8	4302.3	4397.0	4031.7
45°	1829.8	1843.4	1971.9	2239.1	2753.2	3426.3	3896.4	4586.4	4596.6	4657.5	4234.7
47.5°	1714.8	1731.8	1863.7	2090.3	2645.0	3412.8	4018.2	4873.9	4921.3	4988.9	4481.6
50°	1359.7	1396.9	1745.3	1961.7	2459.0	3389.1	4116.3	5218.9	5273.0	5337.3	4745.4
52.5°	1173.7	1190.6	1366.5	1833.2	2276.3	3287.6	4207.6	5570.7	5635.0	5601.1	5080.3
55°	1092.5	1102.6	1183.8	1579.5	2114.0	3094.8	4275.3	5898.8	5966.4	5804.1	5344.1
57.5°	1035.0	1048.5	1095.9	1292.0	1931.3	2756.6	4282.0	6091.6	6115.2	5973.2	5452.3
60°	957.2	967.3	1035.0	1129.7	1718.2	2401.5	4160.3	6176.1	6287.7	6152.5	5695.8
62.5°	899.7	909.8	953.8	1024.8	1511.9	2117.3	3822.0	6439.9	6514.4	6331.7	5787.2
65°	832.1	832.1	876.0	947.1	1380.0	1944.8	3646.1	6355.4	6193.0	6281.0	5898.8
67.5°	734.0	740.7	784.7	842.2	1156.8	1779.1	3213.2	5963.0	5793.9	6037.5	5604.5
70°	652.8	646.0	693.4	737.3	947.1	1569.4	2661.9	5557.2	5695.8	5668.8	5333.9
72.5°	544.6	537.8	578.4	625.7	764.4	1302.2	2103.8	5158.0	5239.2	5070.1	4731.9
75°	422.8	382.2	439.7	500.6	602.1	1031.6	1491.6	4271.9	4576.3	4779.2	4035.1
77.5°	67.6	67.6	84.6	118.4	196.2	524.3	666.3	2347.3	2692.3	4068.9	3537.9
80°	54.1	54.1	60.9	81.2	118.4	287.5	223.2	727.2	811.8	1755.4	2036.2
82.5°	30.4	30.4	44.0	54.1	74.4	87.9	98.1	355.1	395.7	622.3	788.1
85°	16.9	16.9	23.7	27.1	30.4	30.4	30.4	162.4	182.6	331.5	358.5
87.5°	10.1	10.1	10.1	10.1	10.1	6.8	3.4	3.4	3.4	3.4	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°	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1	2080.1
2.5°	2059.8	2049.7	2032.8	2019.2	2009.1	1999.0	1982.0	1971.9	1971.9	1988.8	1992.2
5°	2042.9	2019.2	1988.8	1975.3	1958.4	1941.5	1914.4	1900.9	1897.5	1907.6	1914.4
7.5°	2029.4	1995.6	1965.1	1931.3	1880.6	1836.6	1812.9	1796.0	1802.8	1819.7	1812.9
10°	1988.8	1958.4	1911.0	1860.3	1799.4	1762.2	1725.0	1704.7	1708.1	1718.2	1708.1
12.5°	1971.9	1931.3	1853.5	1792.6	1738.5	1667.5	1620.1	1589.7	1589.7	1606.6	1606.6
15°	1971.9	1911.0	1806.2	1731.8	1647.2	1576.2	1522.0	1495.0	1511.9	1501.8	1495.0
17.5°	1988.8	1894.1	1775.7	1650.6	1549.1	1478.1	1413.8	1376.6	1386.8	1393.5	1386.8
20°	2009.1	1894.1	1738.5	1586.3	1467.9	1366.5	1295.4	1254.8	1251.5	1254.8	1261.6
22.5°	2076.7	1938.1	1714.8	1545.7	1366.5	1268.4	1197.3	1126.3	1122.9	1119.5	1126.3
25°	2191.7	2019.2	1731.8	1471.3	1309.0	1163.5	1075.6	1014.7	994.4	991.0	997.8
27.5°	2381.2	2161.3	1758.8	1461.2	1204.1	1072.2	964.0	896.3	876.0	882.8	879.4
30°	2587.5	2344.0	1836.6	1390.1	1143.2	936.9	835.4	777.9	757.6	744.1	747.5
32.5°	2739.7	2526.6	1934.7	1366.5	1024.8	791.5	717.1	683.2	659.6	642.6	639.3
35°	2979.8	2682.2	2022.6	1312.3	920.0	696.8	635.9	598.7	585.1	575.0	575.0
37.5°	3209.8	2871.6	2110.6	1295.4	784.7	632.5	558.1	534.4	527.6	520.9	520.9
40°	3439.8	3064.4	2161.3	1227.8	676.5	554.7	483.7	480.3	490.4	483.7	487.1
42.5°	3723.9	3263.9	2212.0	1163.5	598.7	473.5	432.9	460.0	480.3	483.7	483.7
45°	3920.1	3399.2	2232.3	1007.9	517.5	412.6	422.8	453.2	476.9	487.1	483.7
47.5°	4099.4	3581.9	2201.9	818.5	449.8	402.5	419.4	439.7	473.5	487.1	487.1
50°	4275.3	3734.1	2174.8	605.4	426.2	405.9	419.4	429.6	466.8	480.3	480.3
52.5°	4522.2	3855.9	2083.5	507.3	405.9	409.3	429.6	426.2	456.6	476.9	483.7
55°	4863.8	4140.0	1907.6	480.3	402.5	405.9	429.6	429.6	449.8	466.8	476.9
57.5°	5016.0	4261.7	1610.0	453.2	392.3	402.5	419.4	422.8	446.5	456.6	453.2
60°	5188.5	4413.9	1319.1	422.8	375.4	395.7	402.5	416.0	432.9	432.9	429.6
62.5°	5293.3	4451.1	1099.3	389.0	355.1	372.1	372.1	385.6	399.1	399.1	399.1
65°	5344.1	4413.9	821.9	358.5	331.5	345.0	341.6	348.4	358.5	341.6	341.6
67.5°	5144.5	4275.3	568.2	317.9	304.4	317.9	314.6	317.9	314.6	301.0	304.4
70°	4802.9	3886.3	392.3	270.6	267.2	290.9	294.3	287.5	267.2	257.1	257.1
72.5°	4373.3	3118.5	270.6	216.5	226.6	257.1	263.8	250.3	230.0	219.9	219.9
75°	3967.5	2695.7	192.8	148.8	152.2	196.2	209.7	209.7	202.9	270.6	287.5
77.5°	2760.0	1745.3	111.6	77.8	74.4	111.6	128.5	131.9	253.7	274.0	267.2
80°	1637.0	821.9	81.2	47.4	47.4	64.3	87.9	172.5	290.9	196.2	175.9
82.5°	625.7	314.6	50.7	30.4	27.1	33.8	50.7	267.2	169.1	111.6	101.5
85°	226.6	77.8	23.7	16.9	16.9	20.3	30.4	226.6	118.4	84.6	81.2
87.5°	3.4	3.4	6.8	6.8	6.8	3.4	3.4	6.8	6.8	6.8	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

(END OF REPORT)