

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: P691954

Luminaire Tested: **CRTK2-C01HO-D-U-T2-7050-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691954
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-C01HO-D-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: 11248 lumens
Efficiency: N/A
Efficacy: 142.4 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

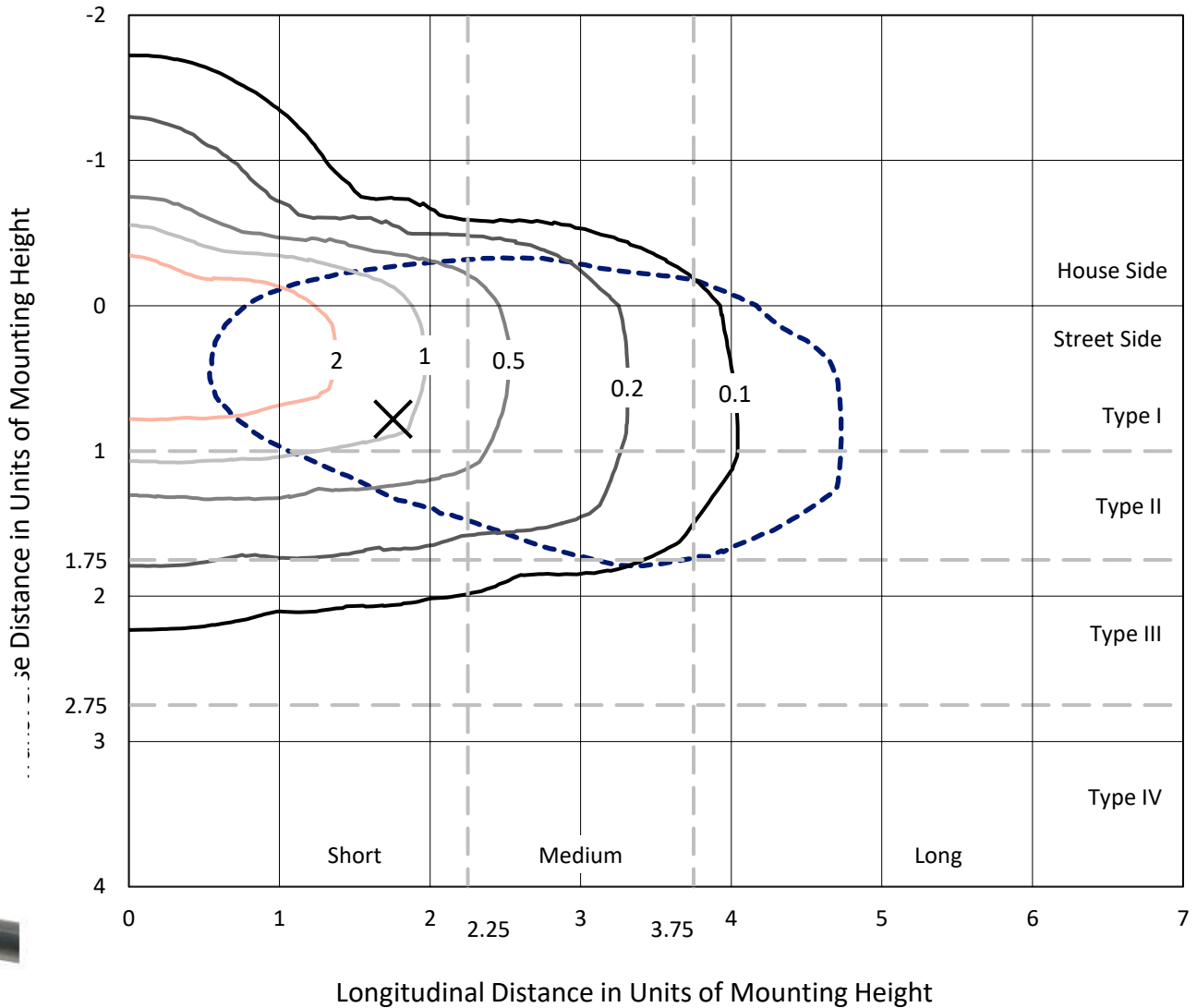
Input Watts (W): 79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

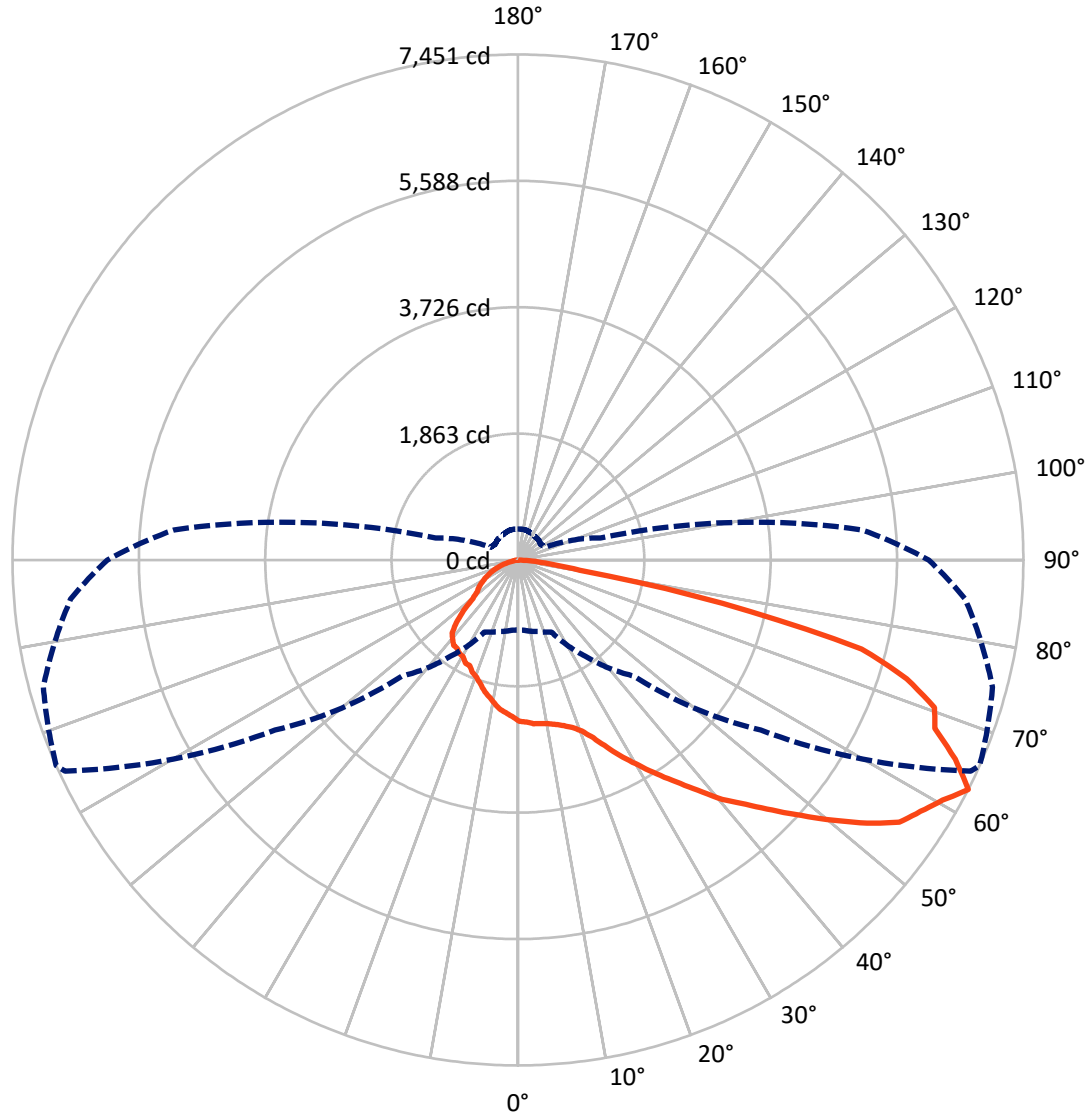
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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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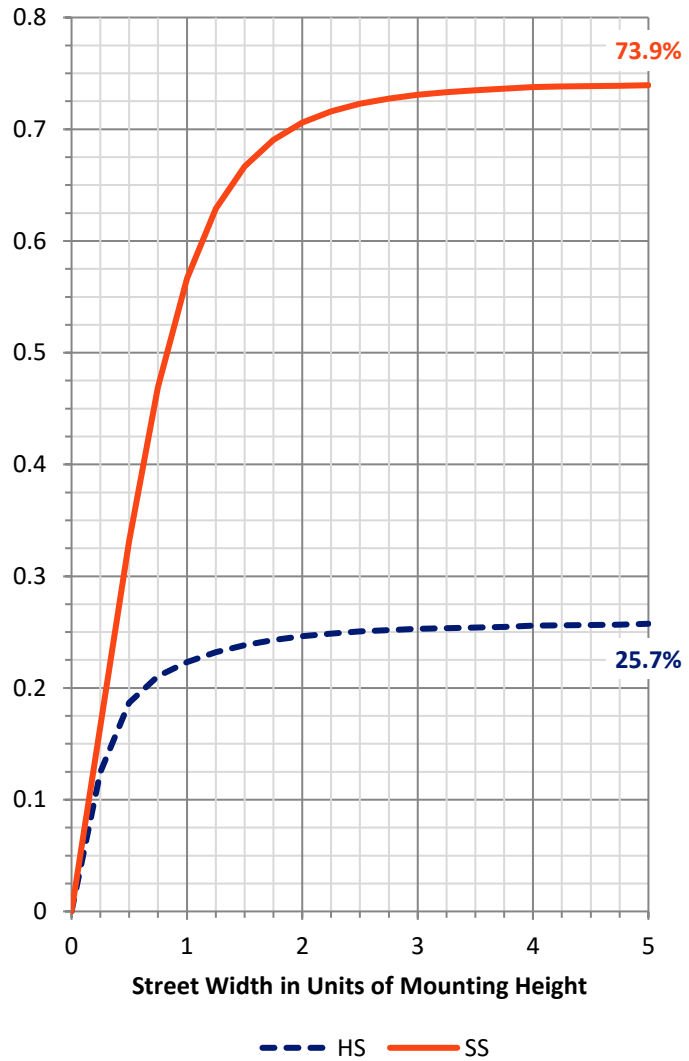
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2939.1	0.0	2939.1
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	8308.9	0.0	8308.9
	% Fixture	73.9	0.0	73.9
Total	Lumens	11248.0	0.0	11248.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.6	2.0
10°-20°	631.7	5.6
20°-30°	1025.7	9.1
30°-40°	1479.3	13.2
40°-50°	1924.2	17.1
50°-60°	2235.0	19.9
60°-70°	2211.2	19.7
70°-80°	1369.7	12.2
80°-90°	148.7	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°	11248.0	100.0
0°-180°	11248.0	100.0

Coefficient of Utilization

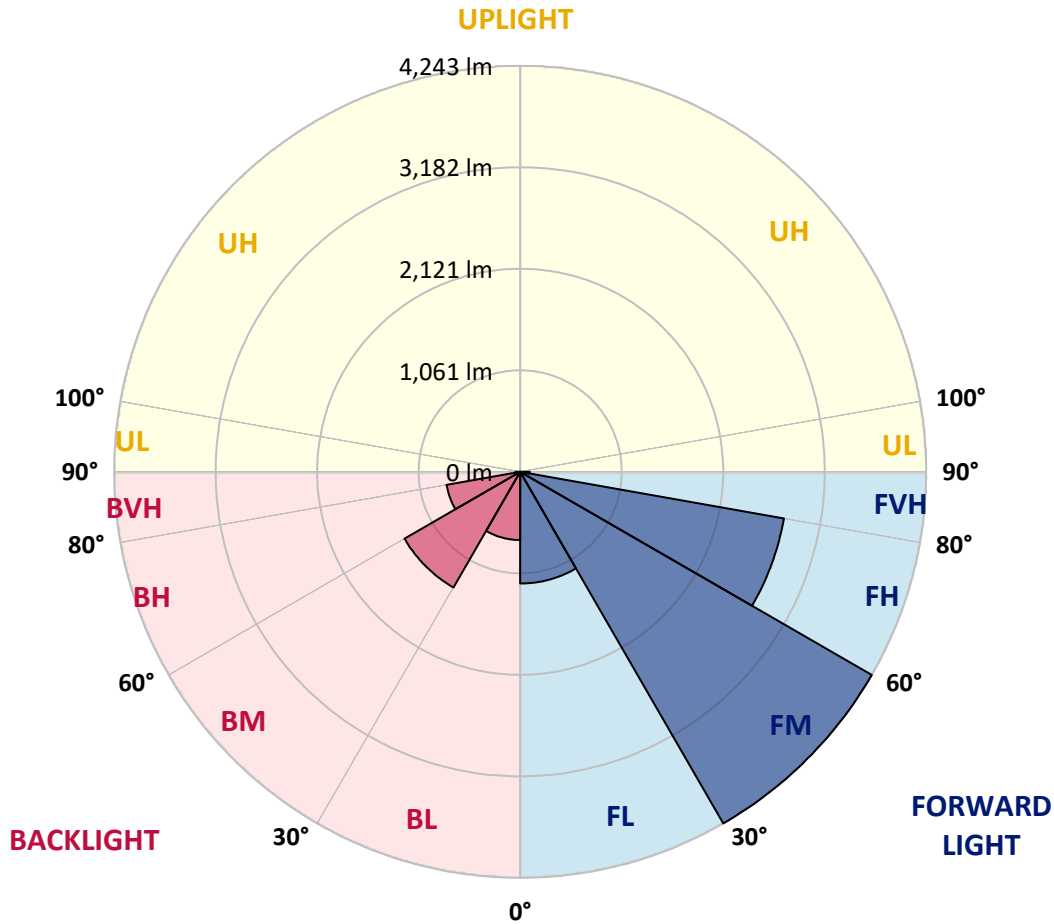


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1167.0	10.4			
FM (30°-60°)	4242.9	37.7			
FH (60°-80°)	2799.3	24.9			G2/5000
FVH (80°-90°)	99.7	0.9			G1/100
BL (0°-30°)	712.9	6.3	B2/1000		
BM (30°-60°)	1395.5	12.4	B2/2500		
BH (60°-80°)	781.6	6.9	B2/1000		G2/1000
BVH (80°-90°)	49.0	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°	2379.2	2379.2	2379.2	2379.2	2379.2	2379.2	2379.2	2379.2	2379.2	2379.2	2379.2
2.5°	2464.3	2464.3	2472.1	2445.0	2429.5	2417.9	2406.3	2394.7	2390.8	2379.2	2363.8
5°	2572.7	2572.7	2576.5	2549.4	2518.5	2483.7	2448.9	2425.6	2425.6	2398.6	2359.9
7.5°	2630.7	2630.7	2630.7	2599.7	2580.4	2557.2	2503.0	2437.3	2433.4	2406.3	2352.1
10°	2630.7	2630.7	2646.2	2599.7	2584.3	2561.1	2530.1	2460.5	2452.7	2390.8	2317.3
12.5°	2677.1	2684.9	2677.1	2626.8	2611.3	2592.0	2549.4	2491.4	2487.5	2406.3	2301.9
15°	2742.9	2746.7	2735.1	2700.3	2684.9	2653.9	2603.6	2541.7	2534.0	2437.3	2313.5
17.5°	2758.4	2762.2	2770.0	2727.4	2727.4	2715.8	2688.7	2615.2	2595.9	2510.8	2348.3
20°	2750.6	2754.5	2766.1	2758.4	2762.2	2754.5	2773.8	2711.9	2688.7	2595.9	2402.4
22.5°	2785.4	2793.2	2816.4	2820.3	2835.7	2851.2	2858.9	2862.8	2847.3	2739.0	2514.6
25°	2797.0	2820.3	2851.2	2893.8	2947.9	2978.9	3021.4	3064.0	3060.1	2951.8	2700.3
27.5°	2742.9	2770.0	2866.7	2932.4	3052.4	3137.5	3234.2	3292.2	3292.2	3203.3	2913.1
30°	2793.2	2804.8	2855.1	2947.9	3087.2	3280.6	3431.5	3505.0	3512.7	3454.7	3122.0
32.5°	2688.7	2715.8	2839.6	3017.6	3230.3	3443.1	3594.0	3752.6	3760.3	3741.0	3427.6
35°	2677.1	2692.6	2762.2	2951.8	3226.5	3594.0	3795.2	3996.3	4015.7	4038.9	3725.5
37.5°	2557.2	2588.1	2723.5	2959.5	3334.8	3694.6	3965.4	4274.9	4305.8	4379.3	3980.9
40°	2429.5	2452.7	2564.9	2820.3	3300.0	3822.2	4131.7	4603.7	4642.4	4704.3	4332.9
42.5°	2255.4	2301.9	2495.3	2762.2	3284.5	3860.9	4317.4	4905.5	4920.9	5029.3	4611.4
45°	2092.9	2108.4	2255.4	2561.1	3149.1	3919.0	4456.7	5245.9	5257.5	5327.1	4843.6
47.5°	1961.4	1980.8	2131.6	2390.8	3025.3	3903.5	4596.0	5574.7	5628.9	5706.3	5126.0
50°	1555.2	1597.8	1996.2	2243.8	2812.5	3876.4	4708.2	5969.3	6031.2	6104.7	5427.7
52.5°	1342.4	1361.8	1562.9	2096.8	2603.6	3760.3	4812.6	6371.7	6445.2	6406.5	5810.7
55°	1249.6	1261.2	1354.0	1806.7	2417.9	3539.8	4890.0	6746.9	6824.3	6638.6	6112.5
57.5°	1183.8	1199.3	1253.4	1477.8	2209.0	3153.0	4897.7	6967.5	6994.5	6832.1	6236.3
60°	1094.8	1106.4	1183.8	1292.1	1965.3	2746.7	4758.5	7064.2	7191.8	7037.1	6514.8
62.5°	1029.1	1040.7	1091.0	1172.2	1729.3	2421.8	4371.6	7365.9	7451.0	7242.1	6619.3
65°	951.7	951.7	1002.0	1083.2	1578.4	2224.5	4170.4	7269.2	7083.5	7184.1	6746.9
67.5°	839.5	847.2	897.5	963.3	1323.1	2034.9	3675.2	6820.4	6627.0	6905.6	6410.4
70°	746.7	738.9	793.1	843.4	1083.2	1795.1	3044.6	6356.2	6514.8	6483.9	6100.9
72.5°	622.9	615.1	661.5	715.7	874.3	1489.4	2406.3	5899.7	5992.6	5799.1	5412.3
75°	483.6	437.2	502.9	572.6	688.6	1179.9	1706.1	4886.1	5234.3	5466.4	4615.3
77.5°	77.4	77.4	96.7	135.4	224.4	599.6	762.1	2684.9	3079.5	4654.0	4046.6
80°	61.9	61.9	69.6	92.8	135.4	328.8	255.3	831.8	928.5	2007.8	2328.9
82.5°	34.8	34.8	50.3	61.9	85.1	100.6	112.2	406.2	452.6	711.8	901.4
85°	19.3	19.3	27.1	30.9	34.8	34.8	34.8	185.7	208.9	379.1	410.1
87.5°	11.6	11.6	11.6	11.6	11.6	7.7	3.9	3.9	3.9	3.9	3.9
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°	2379.2	2379.2	2379.2	2379.2	2379.2	2379.2	2379.2	2379.2	2379.2	2379.2	2379.2
2.5°	2356.0	2344.4	2325.1	2309.6	2298.0	2286.4	2267.0	2255.4	2255.4	2274.8	2278.6
5°	2336.7	2309.6	2274.8	2259.3	2240.0	2220.6	2189.7	2174.2	2170.3	2181.9	2189.7
7.5°	2321.2	2282.5	2247.7	2209.0	2151.0	2100.7	2073.6	2054.3	2062.0	2081.3	2073.6
10°	2274.8	2240.0	2185.8	2127.8	2058.1	2015.6	1973.0	1949.8	1953.7	1965.3	1953.7
12.5°	2255.4	2209.0	2120.0	2050.4	1988.5	1907.2	1853.1	1818.3	1818.3	1837.6	1837.6
15°	2255.4	2185.8	2065.9	1980.8	1884.0	1802.8	1740.9	1709.9	1729.3	1717.7	1709.9
17.5°	2274.8	2166.4	2031.0	1887.9	1771.8	1690.6	1617.1	1574.5	1586.2	1593.9	1586.2
20°	2298.0	2166.4	1988.5	1814.4	1679.0	1562.9	1481.7	1435.3	1431.4	1435.3	1443.0
22.5°	2375.4	2216.7	1961.4	1768.0	1562.9	1450.7	1369.5	1288.3	1284.4	1280.5	1288.3
25°	2506.9	2309.6	1980.8	1682.9	1497.2	1330.8	1230.2	1160.6	1137.4	1133.5	1141.3
27.5°	2723.5	2472.1	2011.7	1671.3	1377.2	1226.4	1102.6	1025.2	1002.0	1009.7	1005.9
30°	2959.5	2681.0	2100.7	1590.0	1307.6	1071.6	955.6	889.8	866.6	851.1	855.0
32.5°	3133.6	2889.9	2212.9	1562.9	1172.2	905.3	820.2	781.5	754.4	735.0	731.2
35°	3408.3	3067.8	2313.5	1501.0	1052.3	796.9	727.3	684.8	669.3	657.7	657.7
37.5°	3671.4	3284.5	2414.0	1481.7	897.5	723.4	638.3	611.2	603.5	595.8	595.8
40°	3934.4	3505.0	2472.1	1404.3	773.7	634.5	553.2	549.3	561.0	553.2	557.1
42.5°	4259.4	3733.3	2530.1	1330.8	684.8	541.6	495.2	526.1	549.3	553.2	553.2
45°	4483.8	3888.0	2553.3	1152.9	591.9	472.0	483.6	518.4	545.5	557.1	553.2
47.5°	4688.8	4096.9	2518.5	936.2	514.5	460.4	479.7	502.9	541.6	557.1	557.1
50°	4890.0	4271.0	2487.5	692.5	487.5	464.2	479.7	491.3	533.9	549.3	549.3
52.5°	5172.4	4410.3	2383.1	580.3	464.2	468.1	491.3	487.5	522.3	545.5	553.2
55°	5563.1	4735.2	2181.9	549.3	460.4	464.2	491.3	491.3	514.5	533.9	545.5
57.5°	5737.2	4874.5	1841.5	518.4	448.8	460.4	479.7	483.6	510.7	522.3	518.4
60°	5934.5	5048.6	1508.8	483.6	429.4	452.6	460.4	475.8	495.2	495.2	491.3
62.5°	6054.5	5091.2	1257.3	444.9	406.2	425.6	425.6	441.0	456.5	456.5	456.5
65°	6112.5	5048.6	940.1	410.1	379.1	394.6	390.7	398.5	410.1	390.7	390.7
67.5°	5884.2	4890.0	649.9	363.7	348.2	363.7	359.8	363.7	359.8	344.3	348.2
70°	5493.5	4445.1	448.8	309.5	305.6	332.7	336.6	328.8	305.6	294.0	294.0
72.5°	5002.2	3566.9	309.5	247.6	259.2	294.0	301.8	286.3	263.1	251.5	251.5
75°	4537.9	3083.3	220.5	170.2	174.1	224.4	239.9	239.9	232.1	309.5	328.8
77.5°	3156.8	1996.2	127.7	89.0	85.1	127.7	147.0	150.9	290.1	313.4	305.6
80°	1872.4	940.1	92.8	54.2	54.2	73.5	100.6	197.3	332.7	224.4	201.2
82.5°	715.7	359.8	58.0	34.8	30.9	38.7	58.0	305.6	193.4	127.7	116.1
85°	259.2	89.0	27.1	19.3	19.3	23.2	34.8	259.2	135.4	96.7	92.8
87.5°	3.9	3.9	7.7	7.7	7.7	3.9	3.9	7.7	7.7	7.7	3.9
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)