

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: P480338

Luminaire Tested: **IFLD-S-SA2D-722-U-SL3**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P480338
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2D-722-U-SL3
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

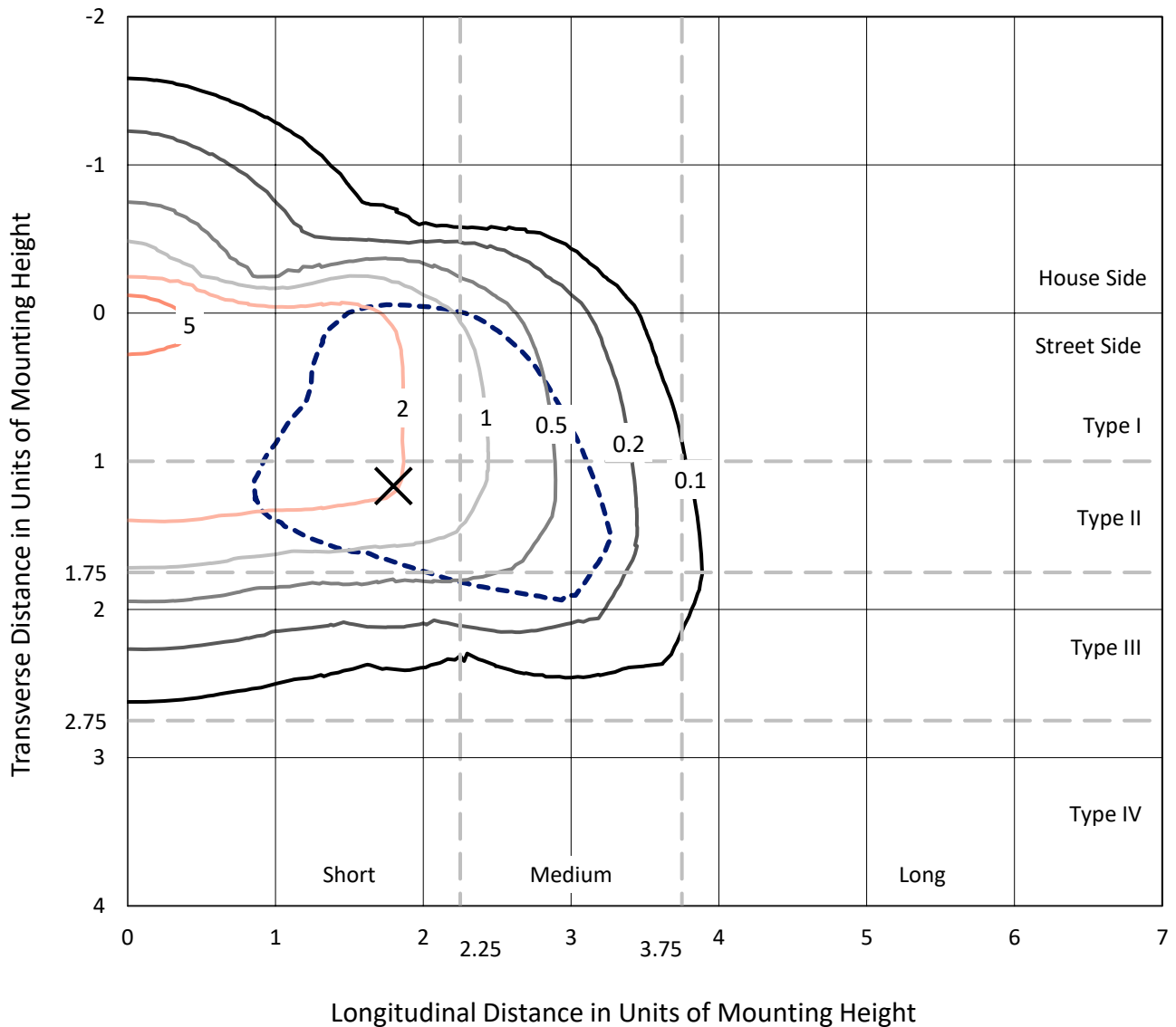
Lumens per Lamp: N/A
Luminaire Lumens: 11367.1 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 123.9
Input Voltage (V): 120
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

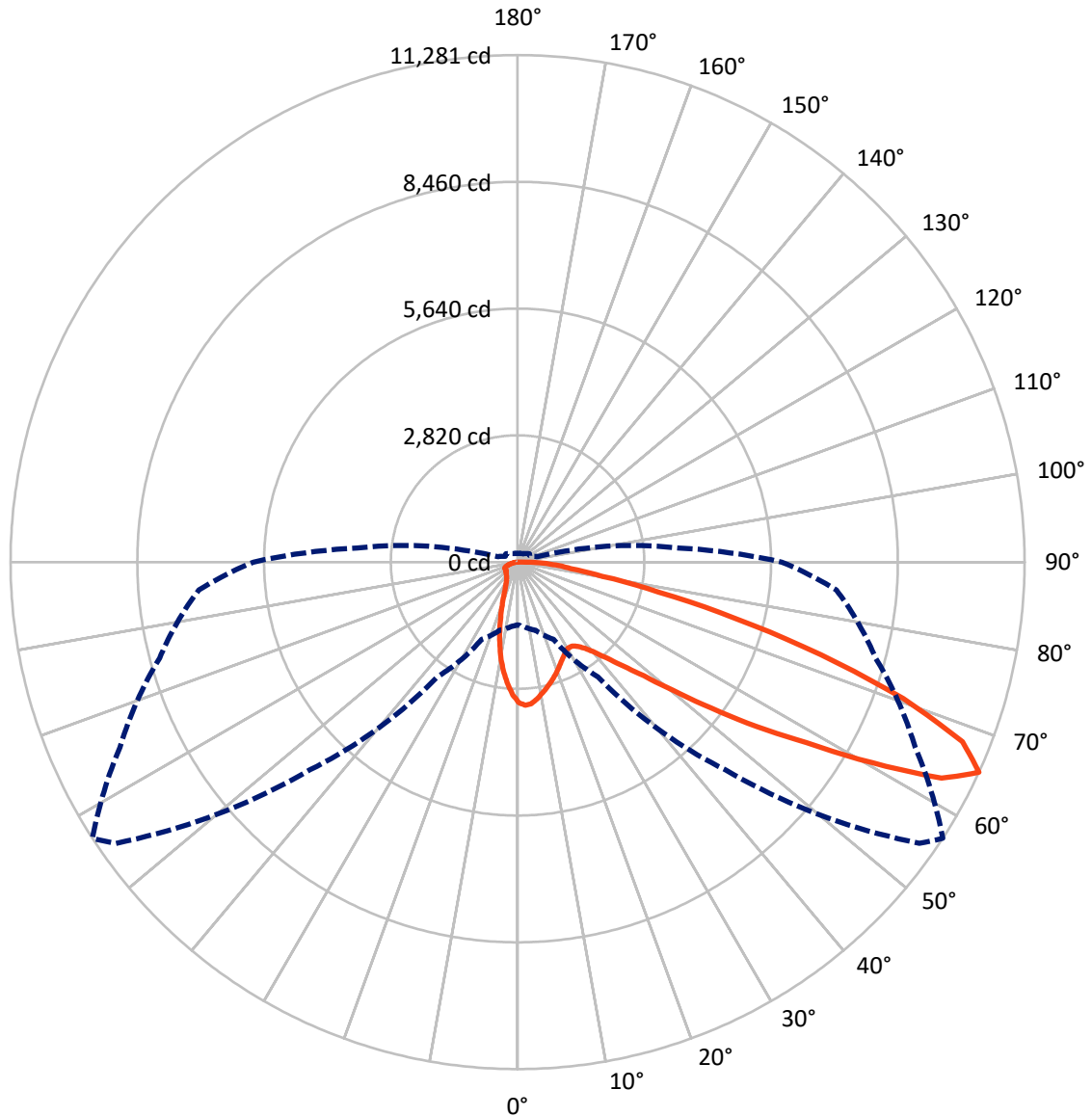
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1743.3	0.0	1743.3
	% Fixture	15.3	0.0	15.3
Street Side	Lumens	9623.9	0.0	9623.9
	% Fixture	84.7	0.0	84.7
Total	Lumens	11367.1	0.0	11367.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.8	2.3
10°-20°	563.4	5.0
20°-30°	728.4	6.4
30°-40°	980.1	8.6
40°-50°	1562.9	13.7
50°-60°	2760.4	24.3
60°-70°	3036.8	26.7
70°-80°	1270.4	11.2
80°-90°	203.0	1.8
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°	11367.1	100.0
0°-180°	11367.1	100.0

Coefficient of Utilization



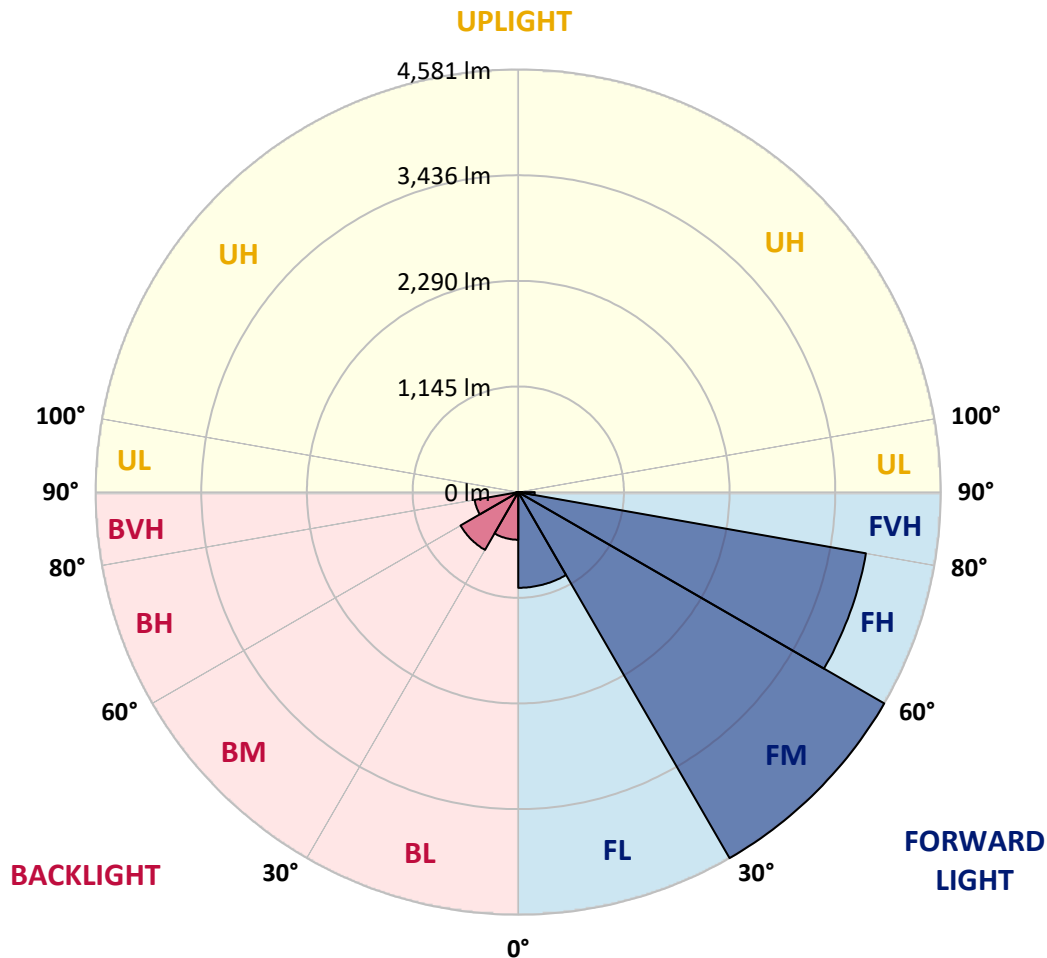
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1037.2	9.1			
FM (30°-60°)	4580.9	40.3			
FH (60°-80°)	3826.5	33.7			G2/5000
FVH (80°-90°)	179.2	1.6			G2/225
BL (0°-30°)	516.3	4.5	B2/1000		
BM (30°-60°)	722.5	6.4	B1/1000		
BH (60°-80°)	480.7	4.2	B1/500		G1/500
BVH (80°-90°)	23.8	0.2			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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	3125.8	3125.8	3125.8	3125.8	3125.8	3125.8	3125.8	3125.8	3125.8	3125.8	3125.8
2.5°	3210.2	3215.3	3215.3	3225.6	3191.0	3207.7	3205.1	3189.8	3194.9	3168.0	3141.2
5°	3119.4	3115.6	3136.0	3138.6	3165.5	3173.1	3179.5	3169.3	3171.8	3113.0	3087.4
7.5°	2886.6	2885.4	2919.9	2949.3	3005.6	3058.0	3092.6	3082.3	3096.4	3059.3	2999.2
10°	2610.4	2639.8	2675.6	2705.0	2808.6	2875.1	2964.7	2973.6	3027.3	3018.4	2909.7
12.5°	2403.2	2416.0	2442.8	2527.2	2621.9	2731.9	2859.8	2871.3	2923.7	2949.3	2854.7
15°	2233.1	2244.6	2279.1	2341.8	2448.0	2578.4	2740.8	2770.3	2875.1	2884.1	2783.0
17.5°	2109.0	2118.0	2141.0	2203.7	2290.6	2458.2	2611.7	2664.1	2802.2	2845.7	2708.9
20°	2060.4	2041.2	2054.0	2093.7	2180.6	2309.8	2508.1	2554.1	2730.6	2816.3	2638.5
22.5°	2038.7	2022.1	2029.7	2027.2	2096.2	2188.3	2396.8	2445.4	2662.8	2781.8	2575.8
25°	2055.3	2055.3	2047.6	2041.2	2048.9	2109.0	2276.6	2352.0	2572.0	2752.3	2511.9
27.5°	2144.8	2110.3	2114.1	2087.3	2079.6	2079.6	2222.9	2267.6	2542.6	2735.7	2459.5
30°	2202.4	2219.0	2220.3	2180.6	2141.0	2069.4	2173.0	2216.5	2518.3	2756.2	2428.8
32.5°	2349.5	2341.8	2320.1	2312.4	2253.5	2173.0	2197.3	2226.7	2504.2	2802.2	2437.7
35°	2496.6	2492.7	2494.0	2490.2	2428.8	2309.8	2262.5	2302.1	2529.8	2882.8	2468.4
37.5°	2648.7	2659.0	2702.5	2702.5	2637.2	2508.1	2445.4	2433.9	2623.2	3014.5	2541.3
40°	2800.9	2826.5	2881.5	2968.5	2876.4	2756.2	2655.1	2637.2	2735.7	3191.0	2716.5
42.5°	2946.8	2989.0	3097.7	3226.8	3196.1	3075.9	2941.6	2921.2	2967.2	3453.2	2960.8
45°	3133.5	3169.3	3340.7	3538.9	3581.1	3475.0	3317.7	3301.0	3298.5	3836.9	3297.2
47.5°	3417.4	3455.8	3627.2	3826.7	3957.1	3973.8	3797.3	3779.4	3718.0	4354.9	3789.6
50°	3773.0	3835.6	3980.2	4212.9	4402.2	4580.0	4530.1	4477.7	4357.5	4957.3	4413.7
52.5°	4032.6	4109.3	4305.0	4603.0	4936.8	5219.5	5398.5	5398.5	5122.3	5618.5	5164.5
55°	4101.7	4147.7	4394.5	4825.6	5397.3	6112.2	6486.9	6458.8	6032.9	6314.3	6038.0
57.5°	3826.7	3886.8	4186.1	4637.6	5639.0	6947.4	7567.7	7574.1	7027.9	7122.6	6900.1
60°	3069.5	3088.7	3441.7	4045.4	5406.2	7620.1	9043.6	9067.9	8159.8	7842.7	7338.7
62.5°	2121.8	2183.2	2449.2	2978.7	4479.0	7544.7	10467.1	10587.3	9066.6	8222.5	7407.8
65°	1396.6	1433.7	1575.7	1898.0	3118.1	6539.4	10909.6	11280.5	9759.8	8244.3	7118.8
67.5°	1012.9	1019.3	1061.5	1227.8	1873.7	4702.8	10153.8	10676.9	10019.5	8062.6	6440.9
70°	818.5	823.7	839.0	945.2	1209.9	2942.9	8281.3	9101.2	9240.6	7201.9	5187.5
72.5°	665.1	671.5	690.6	790.4	997.6	1637.1	6055.9	7054.8	7516.5	5328.2	3448.1
75°	523.1	528.2	574.3	672.7	937.5	1124.2	4017.2	4995.7	5058.3	3114.3	1614.1
77.5°	358.1	367.1	423.3	570.4	882.5	983.5	2504.2	3200.0	2871.3	1218.9	555.1
80°	227.7	240.4	273.7	432.3	780.2	938.8	1557.8	1910.8	1257.2	416.9	267.3
82.5°	134.3	147.1	180.3	280.1	612.6	871.0	1097.4	1195.8	589.6	213.6	161.2
85°	74.2	83.1	108.7	168.8	359.4	773.8	878.7	858.2	337.6	113.8	101.0
87.5°	24.3	28.1	39.6	67.8	148.4	364.5	526.9	495.0	175.2	52.4	39.6
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°	3125.8	3125.8	3125.8	3125.8	3125.8	3125.8	3125.8	3125.8	3125.8	3125.8	3125.8
2.5°	3123.2	3119.4	3061.9	3018.4	2944.2	2882.8	2858.5	2825.2	2824.0	2799.7	2793.3
5°	3047.8	3008.1	2919.9	2835.5	2703.7	2615.5	2534.9	2478.6	2455.6	2405.7	2394.2
7.5°	2950.6	2898.1	2762.6	2604.0	2449.2	2311.1	2185.8	2060.4	1990.1	1965.8	1938.9
10°	2849.5	2757.5	2556.7	2378.9	2162.7	1950.4	1753.5	1577.0	1481.0	1413.3	1383.8
12.5°	2769.0	2646.2	2390.4	2124.4	1839.2	1555.2	1326.3	1140.8	1032.1	981.0	957.9
15°	2678.2	2515.7	2208.8	1872.4	1516.9	1194.6	970.7	824.9	781.5	757.2	753.3
17.5°	2582.2	2394.2	2011.8	1624.3	1202.2	899.1	754.6	695.8	676.6	666.3	661.2
20°	2492.7	2285.5	1809.7	1348.0	941.3	721.3	653.6	622.9	621.6	626.7	625.4
22.5°	2366.1	2143.6	1610.2	1092.2	752.0	628.0	584.5	576.8	584.5	590.9	593.4
25°	2294.5	2027.2	1387.7	867.1	621.6	557.6	543.6	541.0	552.5	560.2	558.9
27.5°	2220.3	1906.9	1180.5	694.5	544.8	507.8	505.2	507.8	519.3	530.8	529.5
30°	2162.7	1811.0	986.1	580.7	486.0	471.9	469.4	471.9	478.3	479.6	479.6
32.5°	2115.4	1697.2	821.1	503.9	450.2	438.7	441.2	440.0	441.2	442.5	443.8
35°	2087.3	1629.4	685.5	456.6	420.8	411.8	410.5	406.7	408.0	409.3	408.0
37.5°	2147.4	1596.2	578.1	423.3	400.3	392.6	390.1	387.5	383.7	383.7	383.7
40°	2238.2	1578.3	512.9	401.6	385.0	376.0	368.3	365.8	365.8	367.1	368.3
42.5°	2418.5	1607.7	468.1	385.0	365.8	355.6	347.9	349.2	353.0	356.8	354.3
45°	2679.4	1697.2	447.6	372.2	354.3	340.2	335.1	333.8	337.6	344.0	349.2
47.5°	3020.9	1836.6	440.0	360.7	346.6	327.4	321.0	324.9	330.0	338.9	335.1
50°	3579.8	2150.0	446.4	350.4	335.1	321.0	313.3	309.5	313.3	319.7	322.3
52.5°	4310.1	2719.1	470.7	345.3	327.4	315.9	303.1	296.7	300.6	305.7	305.7
55°	5183.7	3496.7	538.4	338.9	314.6	308.2	294.2	281.4	283.9	283.9	282.7
57.5°	5953.6	4083.8	619.0	330.0	307.0	298.0	280.1	264.7	262.2	263.5	264.7
60°	6298.9	4239.8	657.4	327.4	307.0	285.2	260.9	245.6	241.7	239.2	239.2
62.5°	6238.8	3969.9	579.4	315.9	314.6	275.0	243.0	226.4	221.3	216.1	217.4
65°	5875.6	3585.0	456.6	300.6	315.9	268.6	225.1	208.5	199.5	193.1	191.8
67.5°	5211.8	3060.6	361.9	289.0	303.1	257.1	209.8	190.6	182.9	176.5	173.9
70°	4077.4	2399.4	314.6	273.7	272.4	228.9	191.8	175.2	163.7	156.0	156.0
72.5°	2643.6	1516.9	269.9	243.0	235.3	191.8	166.3	156.0	147.1	140.7	140.7
75°	1197.1	704.7	217.4	203.4	191.8	153.5	140.7	135.6	127.9	121.5	121.5
77.5°	429.7	300.6	162.4	159.9	143.2	118.9	113.8	110.0	104.9	98.5	98.5
80°	240.4	190.6	121.5	116.4	99.8	88.2	81.9	81.9	79.3	75.5	74.2
82.5°	152.2	124.1	89.5	78.0	65.2	58.8	56.3	55.0	53.7	48.6	47.3
85°	95.9	84.4	58.8	46.0	38.4	29.4	28.1	26.9	24.3	21.7	21.7
87.5°	43.5	48.6	23.0	14.1	10.2	6.4	3.8	1.3	0.0	0.0	0.0
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)