

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: P199970

Luminaire Tested: **GAP-AF-02-LED-U-SL3-7030-1200-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P199970
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24289)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-AF-02-LED-U-SL3-7030-1200-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11259.2 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 129
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: 28.75 FT

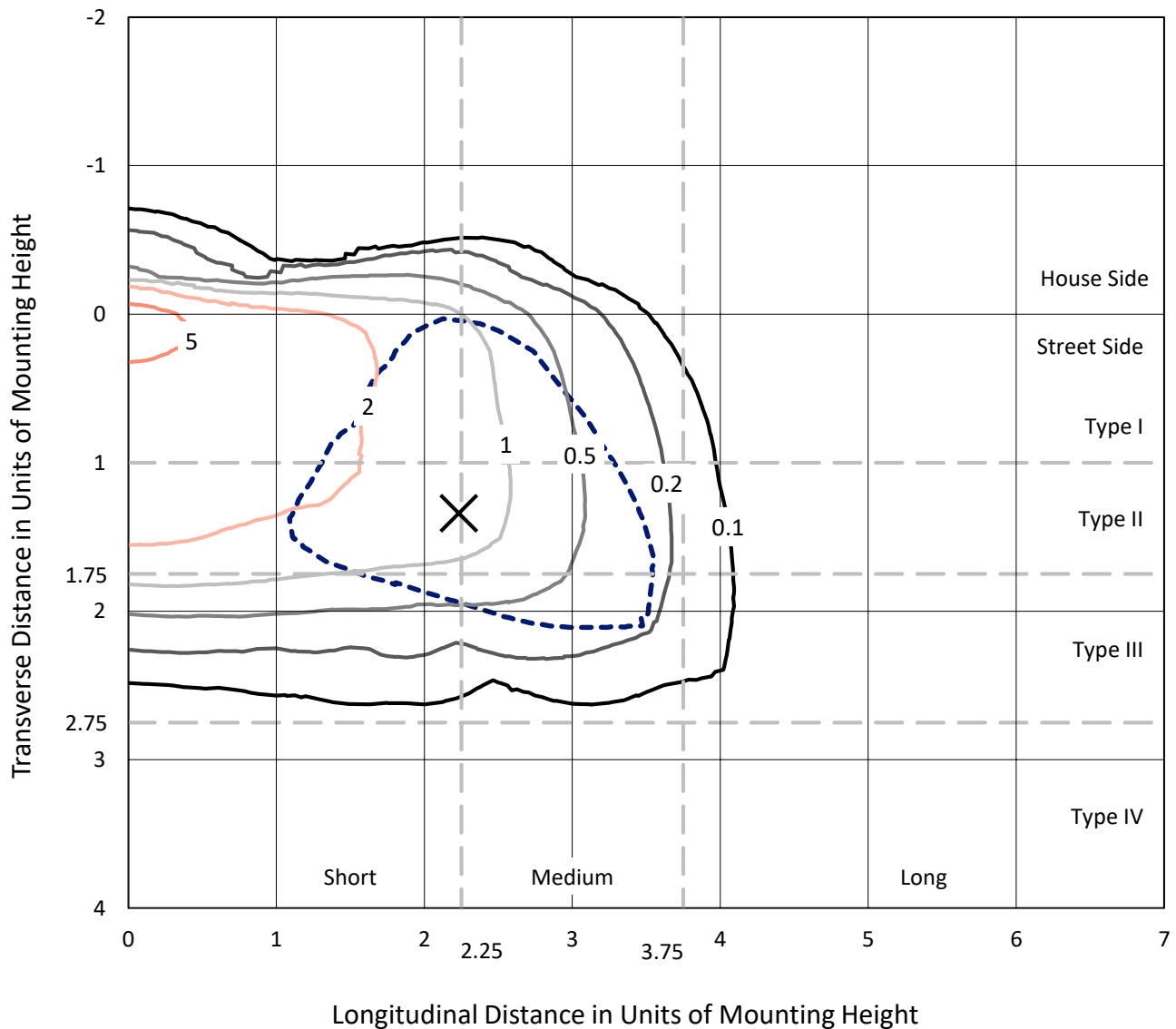


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

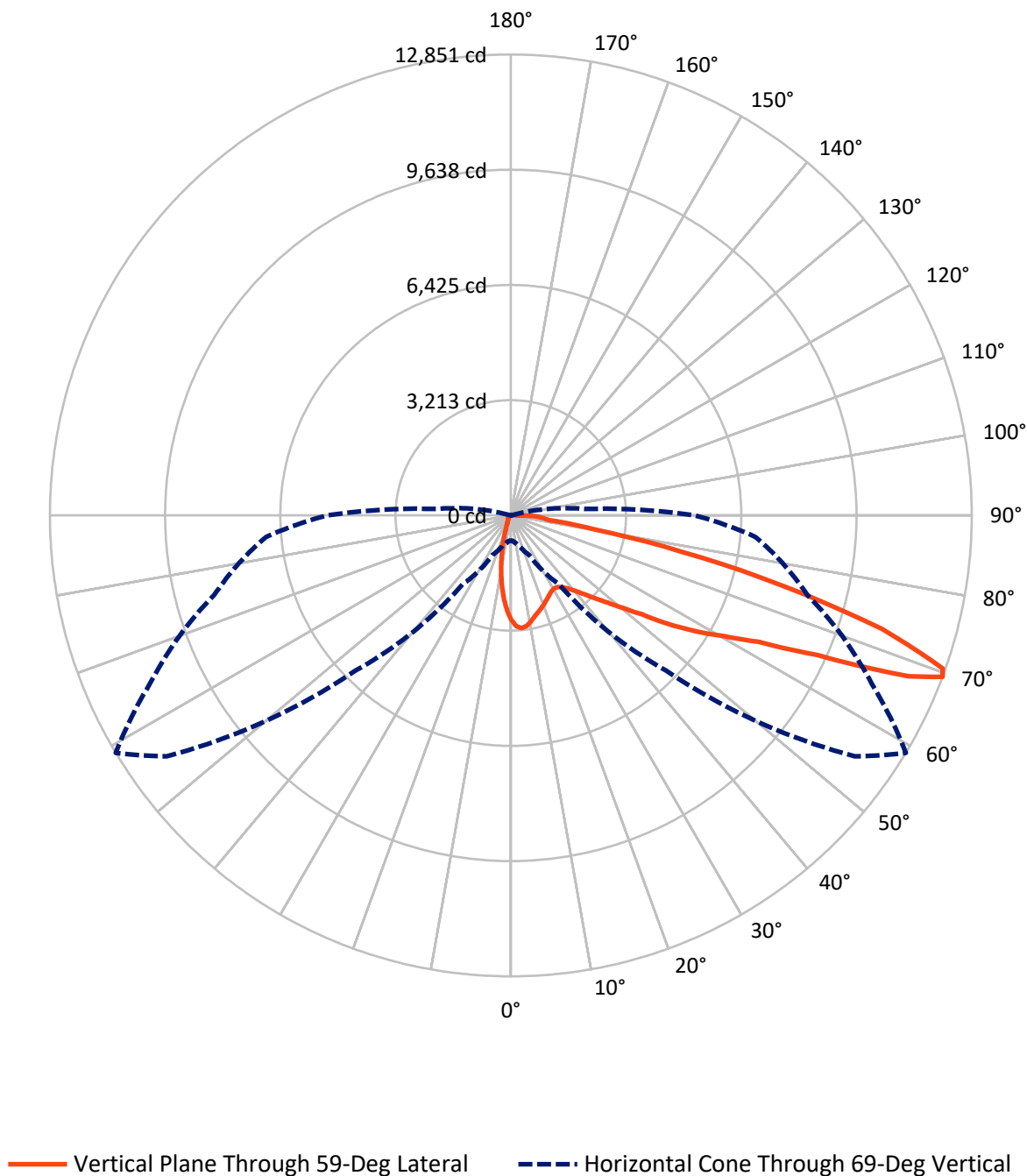


Based on 20 foot mounting height. Maximum calculated value = 7.4 fc
Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	916.9	0.0	916.9
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	10342.2	0.0	10342.2
	% Fixture	91.9	0.0	91.9
Total	Lumens	11259.2	0.0	11259.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.9	2.1
10°-20°	491.5	4.4
20°-30°	661.4	5.9
30°-40°	960.3	8.5
40°-50°	1599.0	14.2
50°-60°	2494.4	22.2
60°-70°	3086.7	27.4
70°-80°	1564.3	13.9
80°-90°	163.7	1.5
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°	11259.2	100.0
0°-180°	11259.2	100.0

Coefficient of Utilization



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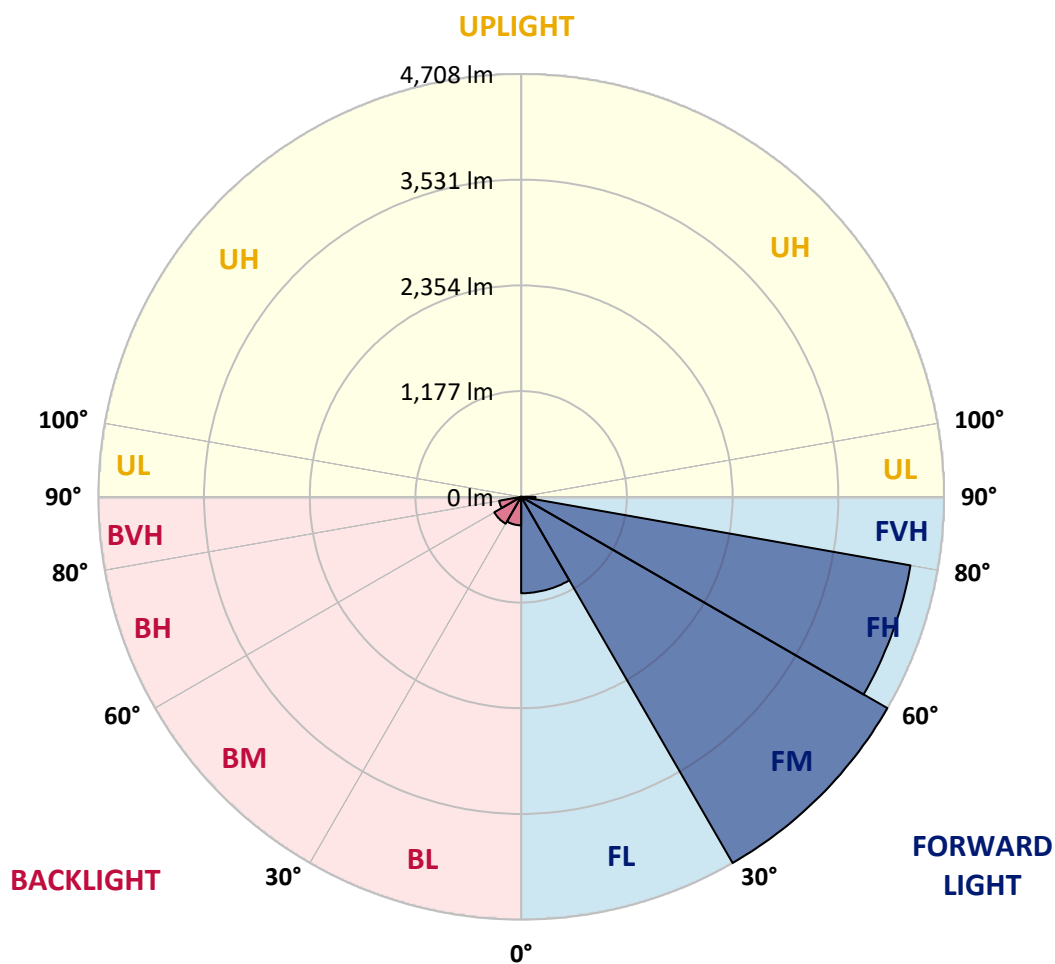
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1073.4	9.5			
FM	(30°-60°)	4708.2	41.8			
FH	(60°-80°)	4401.9	39.1			G2/5000
FVH	(80°-90°)	158.6	1.4			G2/225
BL	(0°-30°)	317.4	2.8	B1/500		
BM	(30°-60°)	345.5	3.1	B1/1000		
BH	(60°-80°)	249.0	2.2	B1/500		G1/500
BVH	(80°-90°)	5.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2930.6	2930.6	2930.6	2930.6	2930.6	2930.6	2930.6	2930.6	2930.6	2930.6	2930.6
2.5°	3212.0	3210.7	3196.7	3190.4	3178.9	3154.8	3117.1	3097.4	3065.6	3010.2	2935.7
5°	3182.7	3198.0	3206.3	3206.9	3215.2	3206.3	3172.6	3156.0	3112.0	3022.8	2889.3
7.5°	2984.1	2989.8	3013.4	3033.7	3073.3	3110.8	3122.8	3115.8	3089.8	2994.2	2816.6
10°	2771.5	2777.2	2805.2	2831.9	2885.4	2943.3	3004.4	3017.2	3028.0	2953.5	2746.6
12.5°	2588.1	2593.9	2622.4	2657.5	2719.9	2791.1	2886.1	2907.1	2954.8	2914.7	2690.6
15°	2430.2	2432.7	2460.7	2504.0	2578.5	2670.2	2777.8	2811.6	2884.8	2887.2	2641.6
17.5°	2295.9	2302.2	2319.3	2360.8	2442.3	2555.6	2681.0	2729.4	2815.4	2864.3	2593.9
20°	2213.7	2220.0	2219.5	2242.3	2315.5	2436.6	2584.3	2642.2	2746.6	2840.8	2551.1
22.5°	2197.8	2197.8	2181.3	2178.1	2221.3	2322.7	2483.7	2554.4	2684.8	2830.7	2521.2
25°	2254.4	2252.0	2210.6	2176.8	2178.7	2239.2	2386.2	2470.3	2632.6	2837.7	2505.4
27.5°	2374.2	2370.9	2318.8	2254.4	2202.8	2202.2	2312.4	2402.8	2591.3	2870.8	2511.7
30°	2539.7	2538.4	2481.8	2400.9	2307.3	2221.3	2286.9	2369.1	2564.6	2930.6	2526.3
32.5°	2720.5	2718.6	2676.0	2590.6	2472.2	2307.3	2313.7	2382.4	2572.2	3010.2	2562.0
35°	2912.2	2908.9	2890.5	2816.0	2685.5	2465.9	2401.5	2455.0	2620.6	3129.3	2632.0
37.5°	3119.7	3122.8	3136.3	3064.9	2928.0	2688.0	2548.6	2584.8	2718.0	3291.0	2746.0
40°	3426.0	3425.3	3429.7	3336.1	3204.3	2960.0	2754.2	2765.7	2880.9	3505.5	2919.2
42.5°	3981.7	3942.9	3825.1	3634.2	3501.6	3270.5	3013.4	3001.3	3080.2	3771.0	3161.8
45°	4728.5	4645.8	4340.3	3974.1	3804.7	3620.8	3332.3	3293.5	3343.8	4090.0	3461.0
47.5°	5370.9	5285.0	4852.8	4328.1	4126.2	3953.1	3706.1	3636.0	3652.6	4447.2	3840.5
50°	5589.3	5547.3	5169.8	4636.2	4437.6	4371.4	4139.7	4054.3	4030.8	4860.4	4280.3
52.5°	5513.6	5510.4	5258.8	4836.2	4722.8	4804.3	4685.2	4586.6	4500.0	5295.8	4727.9
55°	5392.0	5407.9	5295.2	5011.2	5007.5	5199.7	5431.5	5349.4	5098.5	5768.9	5113.8
57.5°	5056.4	5124.6	5274.8	5342.3	5498.9	5695.6	6052.9	6101.2	5804.5	6131.2	5434.0
60°	4102.6	4252.4	4743.8	5390.1	6132.4	6622.6	6802.8	6844.2	6383.9	6432.3	5866.3
62.5°	2912.2	3064.9	3688.3	4781.4	6142.0	7840.7	7920.2	7757.9	7021.9	6878.6	6611.9
65°	1545.8	1663.6	2172.9	3451.4	5325.1	8123.3	9874.2	9390.3	8147.5	7756.6	7575.2
67.5°	790.7	826.4	1028.9	1689.0	3660.8	7215.4	11625.6	11966.3	10087.5	8627.5	7528.6
69°	699.7	720.7	855.1	1221.2	2344.2	6111.4	11711.0	12850.6	11102.9	8555.0	6841.7
70°	677.4	695.9	818.2	1105.2	1832.4	5125.3	11384.4	12773.0	11362.8	8278.7	6328.6
72.5°	574.9	590.9	728.3	976.7	1489.2	2544.1	9247.7	10823.4	10196.3	6896.5	4580.9
75°	384.6	436.7	699.0	915.5	1385.4	1445.3	6096.7	7821.6	7265.7	4651.5	2386.2
77.5°	92.4	99.3	197.3	728.3	1267.0	1272.1	3135.6	4862.2	3965.8	1657.9	564.1
80°	49.7	47.7	55.4	144.5	1179.8	1193.7	1411.5	2360.1	1416.0	275.0	186.0
82.5°	35.0	33.1	35.6	60.5	371.2	1087.4	1021.2	1068.3	587.0	105.7	83.4
85°	12.8	12.1	19.7	54.7	116.5	625.2	1049.2	881.1	475.6	48.4	61.0
87.5°	4.5	3.9	7.6	29.9	35.6	266.1	647.5	665.9	187.2	29.3	28.6
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°	2930.6	2930.6	2930.6	2930.6	2930.6	2930.6	2930.6	2930.6	2930.6	2930.6	2930.6
2.5°	2904.5	2865.0	2792.4	2718.0	2649.2	2566.4	2525.1	2484.3	2467.1	2460.7	2430.8
5°	2820.4	2753.7	2599.5	2444.7	2302.2	2150.7	2050.7	1970.5	1923.4	1900.4	1864.2
7.5°	2712.9	2603.3	2369.8	2131.0	1908.8	1689.7	1527.3	1402.6	1316.7	1275.3	1237.7
10°	2608.4	2462.7	2130.3	1805.0	1503.2	1212.9	988.8	826.4	722.6	674.9	644.3
12.5°	2514.8	2325.8	1899.2	1487.2	1108.4	768.4	540.5	411.3	347.0	324.7	313.9
15°	2431.4	2199.7	1680.9	1185.5	750.6	439.3	295.4	251.6	241.3	241.3	240.1
17.5°	2352.5	2076.2	1470.1	902.2	471.1	268.7	224.7	219.1	219.1	221.6	221.6
20°	2276.8	1958.4	1266.4	647.5	296.6	213.3	203.1	201.8	203.1	206.3	206.3
22.5°	2211.9	1851.4	1075.9	444.3	220.2	192.3	187.2	185.3	186.0	187.8	189.1
25°	2163.5	1761.0	896.5	301.1	189.7	175.1	169.4	166.2	163.7	163.7	164.9
27.5°	2132.8	1684.7	722.6	219.1	170.7	159.2	150.2	145.2	139.5	136.2	137.5
30°	2110.6	1612.0	559.6	178.8	152.9	141.4	129.9	121.6	113.3	109.5	110.8
32.5°	2102.2	1553.4	418.3	157.9	136.9	124.1	110.2	99.3	90.3	87.2	87.9
35°	2124.5	1507.0	306.3	142.6	124.1	108.2	92.4	80.2	73.2	71.3	71.9
37.5°	2183.1	1482.2	229.2	129.9	112.6	94.8	77.0	65.5	61.0	61.0	61.7
40°	2293.9	1481.5	184.0	121.0	102.4	82.2	63.7	55.4	52.9	54.1	54.7
42.5°	2455.6	1515.3	160.4	112.6	93.6	70.0	52.9	47.1	46.4	47.7	48.4
45°	2676.6	1577.0	147.7	105.7	84.0	58.6	44.6	40.8	40.8	42.6	43.2
47.5°	2947.2	1667.4	136.9	98.7	74.6	49.0	38.2	35.6	36.3	38.2	38.8
50°	3273.2	1781.4	126.0	91.0	67.5	40.8	33.1	31.2	31.8	34.4	35.0
52.5°	3644.4	1934.9	117.1	84.0	58.6	33.8	28.0	26.8	28.0	30.6	31.2
55°	3962.7	2072.3	106.3	78.3	47.1	28.0	23.0	23.0	24.1	27.5	28.0
57.5°	4268.9	2216.3	96.8	67.5	36.9	22.3	19.1	19.7	21.7	24.8	25.4
60°	4718.4	2460.1	85.3	56.7	28.0	17.8	16.0	16.6	19.1	22.3	23.0
62.5°	5481.7	2831.2	73.9	47.1	21.7	13.9	12.8	13.9	17.2	21.0	21.7
65°	6170.6	2982.1	60.5	39.5	16.6	10.8	10.8	12.8	16.6	20.3	21.0
67.5°	5786.7	2510.4	47.1	31.2	12.8	8.3	9.0	12.1	16.0	20.3	21.0
69°	5117.6	2052.7	40.1	24.8	10.8	7.6	8.3	12.1	16.0	19.7	20.3
70°	4596.1	1733.1	35.6	21.0	9.5	7.6	8.3	11.5	16.0	19.7	20.3
72.5°	3078.3	936.0	28.6	15.3	9.0	7.0	7.0	11.5	15.3	19.1	19.7
75°	1323.0	258.5	23.0	10.8	7.6	6.3	6.3	10.8	14.6	18.5	19.7
77.5°	241.9	65.5	18.5	9.5	7.6	6.3	5.7	10.2	13.9	17.8	18.5
80°	96.1	32.4	14.6	8.3	7.0	5.7	5.1	9.5	13.3	17.2	17.8
82.5°	57.9	18.5	12.1	7.6	7.0	5.1	4.5	8.3	12.8	16.6	17.2
85°	47.1	12.8	9.5	7.6	6.3	5.1	3.9	7.6	11.5	16.0	16.6
87.5°	23.0	9.0	9.0	7.0	6.3	5.1	3.9	7.0	10.8	15.3	16.0
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)