

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: P269879

Luminaire Tested: **GAP-AF-02-LED-U-SL3-7027-1200-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P269879
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-SL3-7027-1200-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(2) 70 CRI, 2700K, 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: 10114.2 lumens
Efficiency: N/A
Efficacy: 78.4 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



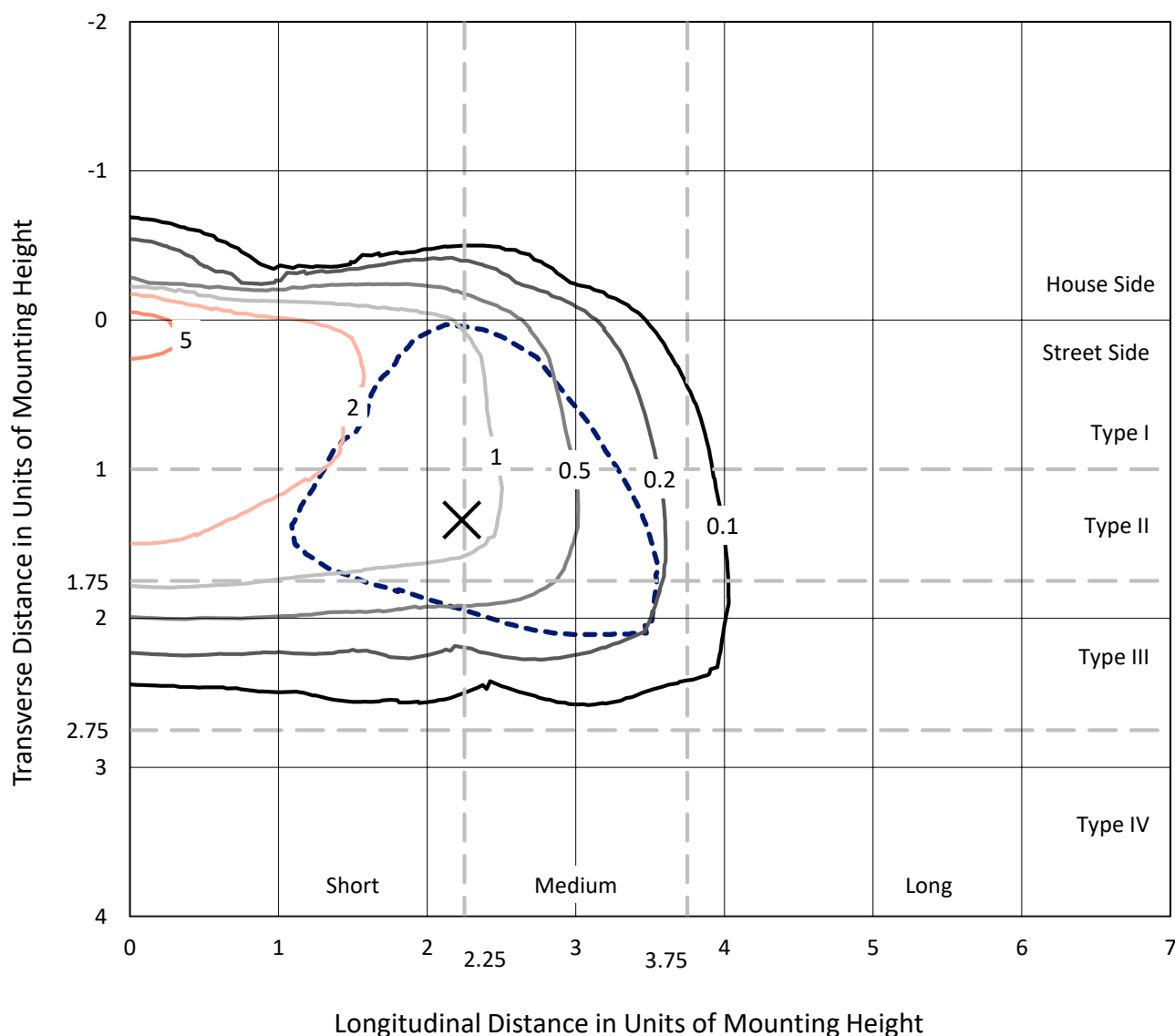
REPORT NUMBER: P269879

CATALOG NUMBER: GAP-AF-02-LED-U-SL3-7027-1200-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

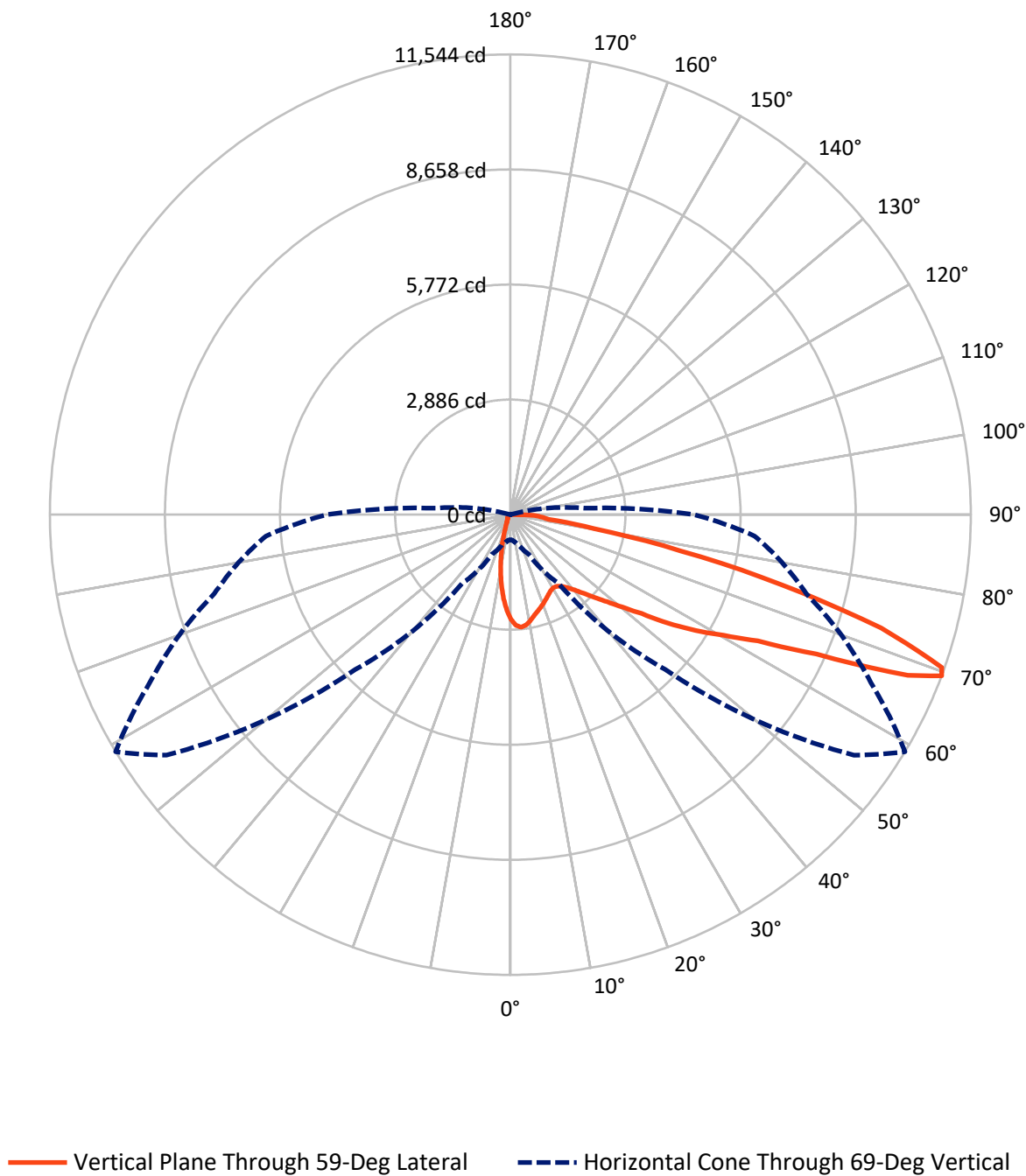


Based on 20 foot mounting height. Maximum calculated value = 6.6 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P269879

CATALOG NUMBER: GAP-AF-02-LED-U-SL3-7027-1200-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P269879

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	823.7	0.0	823.7
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	9290.5	0.0	9290.5
	% Fixture	91.9	0.0	91.9
Total	Lumens	10114.2	0.0	10114.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.7	2.1
10°-20°	441.5	4.4
20°-30°	594.1	5.9
30°-40°	862.7	8.5
40°-50°	1436.4	14.2
50°-60°	2240.8	22.2
60°-70°	2772.8	27.4
70°-80°	1405.2	13.9
80°-90°	147.0	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°	10114.2	100.0
0°-180°	10114.2	100.0

Coefficient of Utilization



REPORT NUMBER: P269879

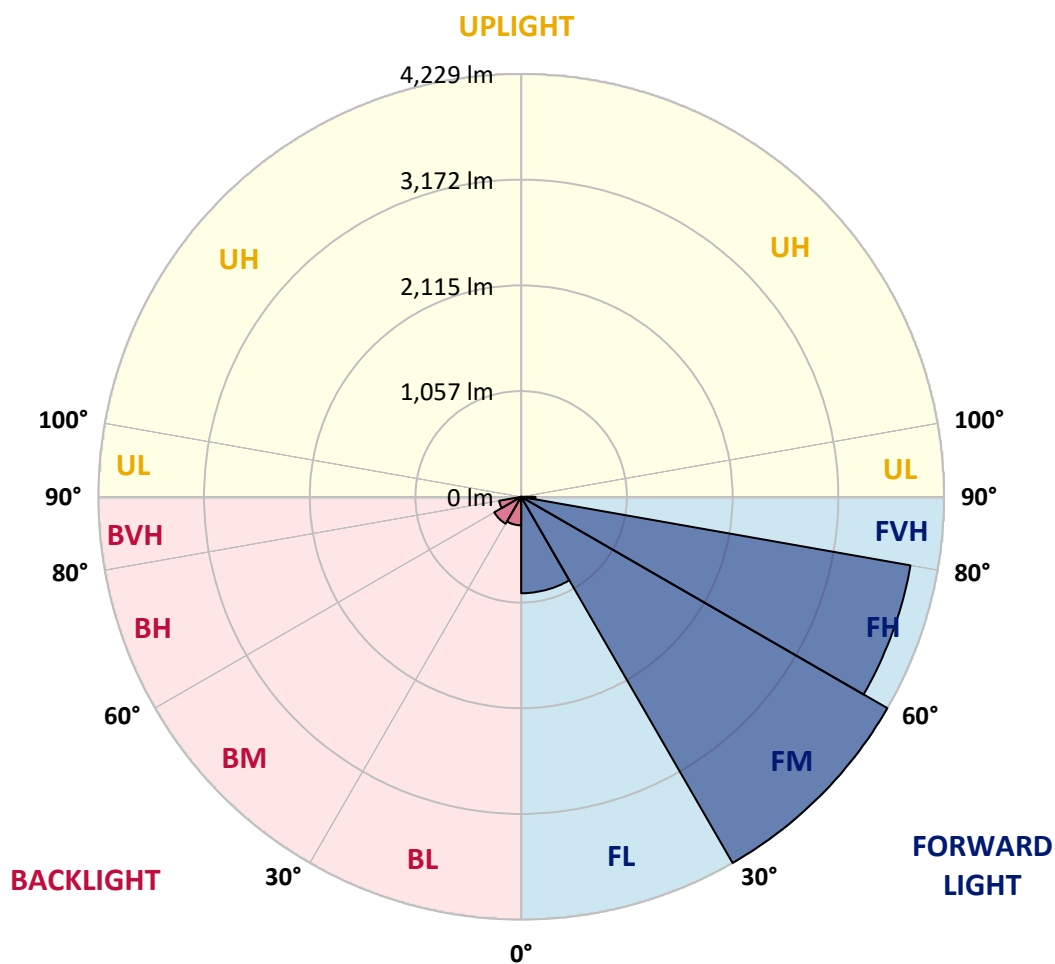
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	964.3	9.5			
FM	(30°-60°)	4229.4	41.8			
FH	(60°-80°)	3954.3	39.1			G2/5000
FVH	(80°-90°)	142.5	1.4			G2/225
BL	(0°-30°)	285.1	2.8	B1/500		
BM	(30°-60°)	310.4	3.1	B1/1000		
BH	(60°-80°)	223.7	2.2	B1/500		G1/500
BVH	(80°-90°)	4.5	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





REPORT NUMBER: P269879

CATALOG NUMBER: GAP-AF-02-LED-U-SL3-7027-1200-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2632.6	2632.6	2632.6	2632.6	2632.6	2632.6	2632.6	2632.6	2632.6	2632.6	2632.6
2.5°	2885.4	2884.2	2871.6	2866.0	2855.6	2834.0	2800.1	2782.4	2753.8	2704.1	2637.2
5°	2859.0	2872.8	2880.2	2880.8	2888.2	2880.2	2850.0	2835.1	2795.5	2715.4	2595.5
7.5°	2680.6	2685.8	2707.0	2725.2	2760.8	2794.4	2805.2	2798.9	2775.6	2689.7	2530.2
10°	2489.7	2494.8	2519.9	2543.9	2592.0	2644.0	2698.9	2710.4	2720.1	2653.1	2467.3
12.5°	2324.9	2330.1	2355.7	2387.2	2443.3	2507.3	2592.6	2611.5	2654.3	2618.3	2417.0
15°	2183.1	2185.3	2210.5	2249.4	2316.3	2398.7	2495.3	2525.7	2591.4	2593.6	2373.0
17.5°	2062.4	2068.1	2083.4	2120.7	2193.9	2295.7	2408.4	2451.8	2529.1	2573.0	2330.1
20°	1988.6	1994.2	1993.8	2014.3	2080.0	2188.8	2321.5	2373.5	2467.3	2551.9	2291.7
22.5°	1974.3	1974.3	1959.5	1956.6	1995.4	2086.5	2231.1	2294.6	2411.8	2542.8	2264.8
25°	2025.1	2023.0	1985.8	1955.4	1957.1	2011.5	2143.5	2219.1	2364.9	2549.1	2250.6
27.5°	2132.8	2129.8	2083.0	2025.1	1978.8	1978.2	2077.2	2158.4	2327.8	2578.9	2256.3
30°	2281.4	2280.3	2229.4	2156.7	2072.7	1995.4	2054.3	2128.2	2303.8	2632.6	2269.4
32.5°	2443.8	2442.1	2403.9	2327.1	2220.8	2072.7	2078.4	2140.1	2310.6	2704.1	2301.5
35°	2616.0	2613.1	2596.6	2529.6	2412.4	2215.1	2157.3	2205.3	2354.1	2811.1	2364.3
37.5°	2802.4	2805.2	2817.4	2753.2	2630.2	2414.6	2289.4	2321.9	2441.6	2956.3	2466.7
40°	3077.6	3077.0	3080.9	2996.8	2878.4	2659.0	2474.1	2484.4	2587.9	3149.0	2622.3
42.5°	3576.8	3541.9	3436.1	3264.6	3145.5	2937.9	2707.0	2696.1	2767.0	3387.5	2840.3
45°	4247.6	4173.3	3898.9	3570.0	3417.8	3252.6	2993.4	2958.6	3003.8	3674.1	3109.0
47.5°	4824.7	4747.5	4359.3	3888.0	3706.6	3551.1	3329.2	3266.2	3281.1	3994.9	3449.9
50°	5020.9	4983.2	4644.1	4164.7	3986.3	3926.9	3718.7	3642.0	3620.9	4366.1	3845.0
52.5°	4952.9	4950.0	4724.0	4344.4	4242.5	4315.7	4208.7	4120.2	4042.4	4757.2	4247.1
55°	4843.7	4857.9	4756.7	4501.6	4498.3	4670.9	4879.1	4805.4	4580.0	5182.2	4593.8
57.5°	4542.2	4603.5	4738.4	4799.0	4939.7	5116.4	5437.4	5480.7	5214.2	5507.7	4881.4
60°	3685.4	3820.0	4261.4	4842.0	5508.8	5949.1	6111.0	6148.2	5734.7	5778.2	5269.7
62.5°	2616.0	2753.2	3313.2	4295.2	5517.4	7043.3	7114.8	6969.0	6307.8	6179.1	5939.5
65°	1388.6	1494.4	1951.9	3100.4	4783.6	7297.2	8870.0	8435.4	7318.9	6967.8	6804.8
67.5°	710.3	742.4	924.3	1517.2	3288.5	6481.6	10443.3	10749.4	9061.7	7750.1	6763.0
69°	628.5	647.4	768.1	1097.0	2105.8	5489.9	10520.1	11543.8	9973.8	7685.0	6145.9
70°	608.5	625.1	735.0	992.8	1646.1	4604.1	10226.7	11474.1	10207.3	7436.8	5685.0
72.5°	516.4	530.8	654.2	877.4	1337.8	2285.4	8307.3	9722.7	9159.4	6195.2	4115.0
75°	345.5	392.3	627.9	822.4	1244.5	1298.3	5476.7	7026.2	6526.8	4178.5	2143.5
77.5°	83.0	89.2	177.2	654.2	1138.2	1142.7	2816.7	4367.7	3562.5	1489.3	506.7
80°	44.6	42.8	49.8	129.8	1059.8	1072.3	1268.0	2120.1	1272.0	247.0	167.1
82.5°	31.4	29.7	32.0	54.3	333.5	976.8	917.3	959.7	527.3	95.0	74.9
85°	11.5	10.9	17.7	49.1	104.7	561.6	942.5	791.5	427.2	43.5	54.8
87.5°	4.0	3.5	6.8	26.9	32.0	239.0	581.7	598.2	168.2	26.3	25.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P269879

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2632.6	2632.6	2632.6	2632.6	2632.6	2632.6	2632.6	2632.6	2632.6	2632.6	2632.6
2.5°	2609.1	2573.6	2508.4	2441.6	2379.8	2305.4	2268.3	2231.7	2216.2	2210.5	2183.6
5°	2533.6	2473.7	2335.1	2196.1	2068.1	1932.0	1842.2	1770.1	1727.8	1707.1	1674.6
7.5°	2437.0	2338.6	2128.8	1914.3	1714.7	1517.9	1372.0	1260.0	1182.8	1145.6	1111.8
10°	2343.1	2212.3	1913.7	1621.4	1350.3	1089.6	888.2	742.4	649.1	606.3	578.8
12.5°	2259.1	2089.3	1706.1	1336.0	995.7	690.3	485.5	369.5	311.7	291.7	282.0
15°	2184.1	1976.0	1510.0	1064.9	674.3	394.6	265.4	226.0	216.8	216.8	215.7
17.5°	2113.3	1865.1	1320.6	810.5	423.2	241.4	201.8	196.8	196.8	199.1	199.1
20°	2045.3	1759.2	1137.6	581.7	266.4	191.6	182.4	181.3	182.4	185.3	185.3
22.5°	1987.0	1663.1	966.5	399.1	197.8	172.7	168.2	166.5	167.1	168.7	169.9
25°	1943.5	1581.9	805.3	270.5	170.4	157.3	152.2	149.3	147.1	147.1	148.1
27.5°	1915.9	1513.4	649.1	196.8	153.3	143.0	134.9	130.4	125.3	122.3	123.5
30°	1896.0	1448.1	502.7	160.6	137.4	127.0	116.7	109.2	101.8	98.4	99.5
32.5°	1888.4	1395.4	375.8	141.8	123.0	111.5	99.0	89.2	81.1	78.3	79.0
35°	1908.4	1353.7	275.2	128.1	111.5	97.2	83.0	72.0	65.8	64.0	64.6
37.5°	1961.1	1331.5	205.9	116.7	101.1	85.2	69.2	58.8	54.8	54.8	55.4
40°	2060.6	1330.8	165.3	108.7	92.0	73.8	57.2	49.8	47.5	48.6	49.1
42.5°	2205.9	1361.2	144.1	101.1	84.1	62.9	47.5	42.3	41.7	42.8	43.5
45°	2404.4	1416.6	132.7	95.0	75.5	52.6	40.1	36.7	36.7	38.3	38.8
47.5°	2647.5	1497.8	123.0	88.7	67.0	44.0	34.3	32.0	32.6	34.3	34.9
50°	2940.3	1600.2	113.2	81.7	60.6	36.7	29.7	28.0	28.6	30.9	31.4
52.5°	3273.8	1738.1	105.2	75.5	52.6	30.4	25.2	24.1	25.2	27.5	28.0
55°	3559.7	1861.6	95.5	70.3	42.3	25.2	20.7	20.7	21.6	24.7	25.2
57.5°	3834.8	1990.9	87.0	60.6	33.1	20.0	17.2	17.7	19.5	22.3	22.8
60°	4238.6	2209.9	76.6	50.9	25.2	16.0	14.4	14.9	17.2	20.0	20.7
62.5°	4924.2	2543.3	66.4	42.3	19.5	12.5	11.5	12.5	15.5	18.9	19.5
65°	5543.1	2678.8	54.3	35.5	14.9	9.7	9.7	11.5	14.9	18.2	18.9
67.5°	5198.2	2255.1	42.3	28.0	11.5	7.5	8.1	10.9	14.4	18.2	18.9
69°	4597.2	1844.0	36.0	22.3	9.7	6.8	7.5	10.9	14.4	17.7	18.2
70°	4128.7	1556.9	32.0	18.9	8.5	6.8	7.5	10.3	14.4	17.7	18.2
72.5°	2765.3	840.8	25.7	13.7	8.1	6.3	6.3	10.3	13.7	17.2	17.7
75°	1188.5	232.2	20.7	9.7	6.8	5.7	5.7	9.7	13.1	16.6	17.7
77.5°	217.3	58.8	16.6	8.5	6.8	5.7	5.1	9.2	12.5	16.0	16.6
80°	86.3	29.1	13.1	7.5	6.3	5.1	4.6	8.5	11.9	15.5	16.0
82.5°	52.0	16.6	10.9	6.8	6.3	4.6	4.0	7.5	11.5	14.9	15.5
85°	42.3	11.5	8.5	6.8	5.7	4.6	3.5	6.8	10.3	14.4	14.9
87.5°	20.7	8.1	8.1	6.3	5.7	4.6	3.5	6.3	9.7	13.7	14.4
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)