

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: P192851

Luminaire Tested: **GAN-AF-03-LED-U-SL3-7030-600-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P192851
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: GAN-AF-03-LED-U-SL3-7030-600-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 615mA 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: 9893.4 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 96
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

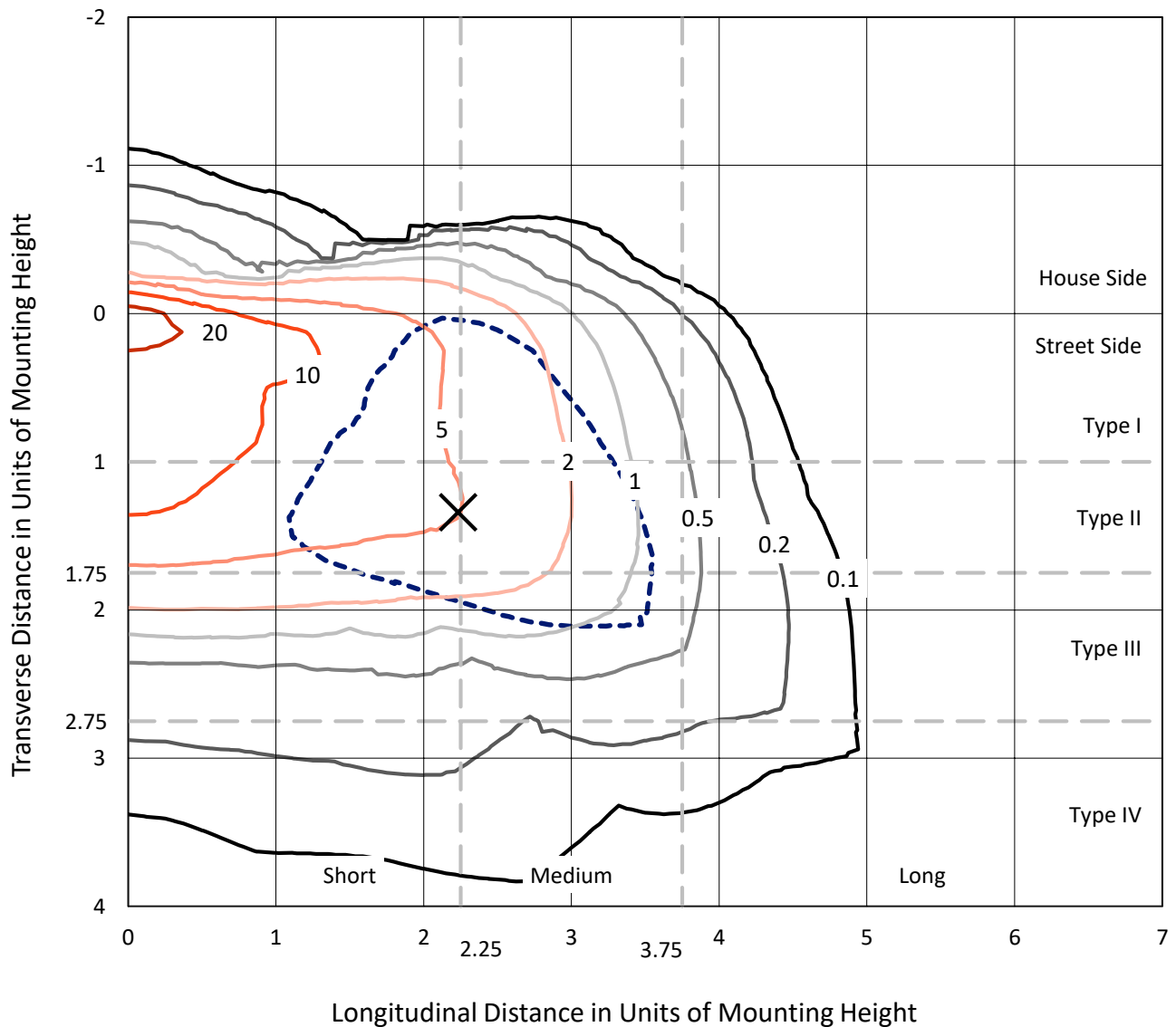


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

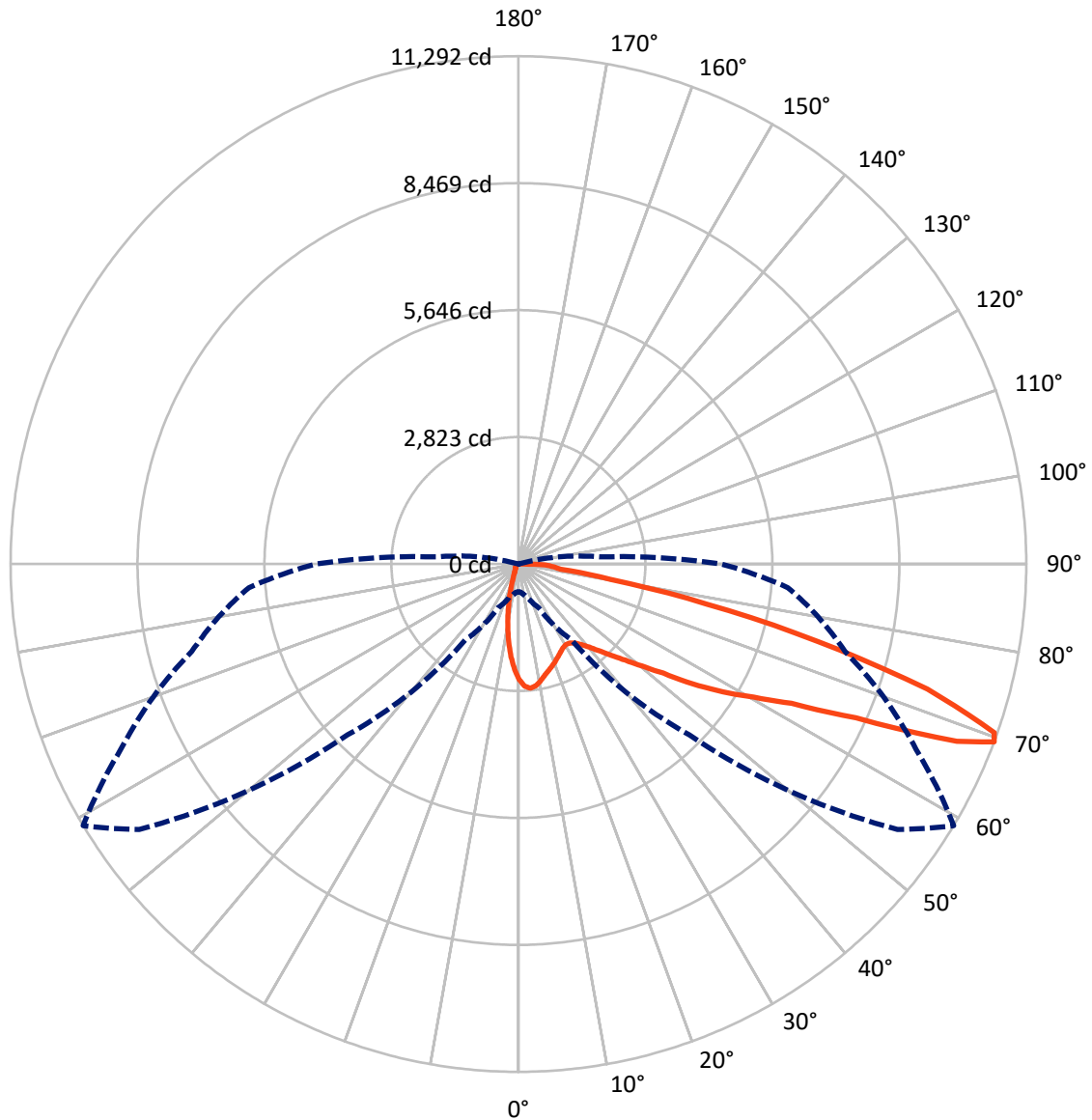


Based on 10 foot mounting height. Maximum calculated value = 25.9 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	805.7	0.0	805.7
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	9087.7	0.0	9087.7
	% Fixture	91.9	0.0	91.9
Total	Lumens	9893.4	0.0	9893.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.0	2.1
10°-20°	431.9	4.4
20°-30°	581.2	5.9
30°-40°	843.8	8.5
40°-50°	1405.0	14.2
50°-60°	2191.9	22.2
60°-70°	2712.2	27.4
70°-80°	1374.5	13.9
80°-90°	143.8	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°	9893.4	100.0
0°-180°	9893.4	100.0



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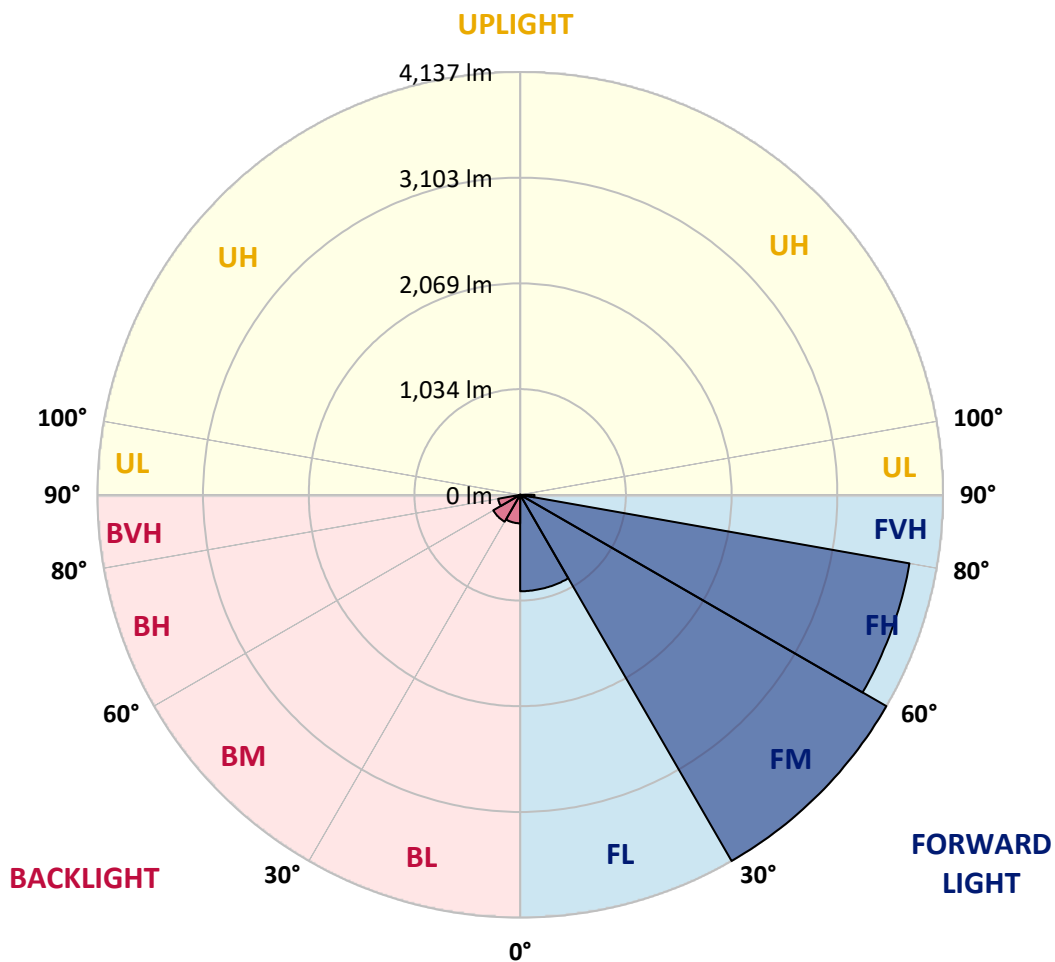
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	943.2	9.5			
FM (30°-60°)	4137.1	41.8			
FH (60°-80°)	3868.0	39.1			G2/5000
FVH (80°-90°)	139.4	1.4			G2/225
BL (0°-30°)	278.9	2.8	B1/500		
BM (30°-60°)	303.6	3.1	B1/1000		
BH (60°-80°)	218.8	2.2	B1/500		G1/500
BVH (80°-90°)	4.4	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°	2575.1	2575.1	2575.1	2575.1	2575.1	2575.1	2575.1	2575.1	2575.1	2575.1	2575.1
2.5°	2822.3	2821.3	2808.9	2803.4	2793.3	2772.0	2739.0	2721.6	2693.7	2645.0	2579.6
5°	2796.7	2810.0	2817.4	2817.9	2825.2	2817.4	2787.8	2773.2	2734.5	2656.2	2538.7
7.5°	2622.1	2627.1	2647.9	2665.7	2700.5	2733.4	2744.0	2737.9	2715.0	2631.1	2474.9
10°	2435.3	2440.3	2464.9	2488.4	2535.4	2586.2	2640.0	2651.1	2660.7	2595.2	2413.4
12.5°	2274.1	2279.1	2304.4	2335.1	2389.9	2452.7	2535.9	2554.4	2596.3	2561.1	2364.3
15°	2135.4	2137.6	2162.2	2200.3	2265.7	2346.4	2440.9	2470.5	2534.9	2537.1	2321.1
17.5°	2017.4	2022.9	2038.0	2074.4	2146.1	2245.6	2355.8	2398.3	2473.8	2516.9	2279.1
20°	1945.2	1950.9	1950.2	1970.4	2034.7	2141.1	2270.7	2321.6	2413.4	2496.2	2241.7
22.5°	1931.1	1931.1	1916.6	1913.9	1951.9	2040.9	2182.4	2244.5	2359.1	2487.3	2215.4
25°	1981.0	1978.8	1942.4	1912.7	1914.4	1967.5	2096.8	2170.7	2313.3	2493.4	2201.5
27.5°	2086.2	2083.3	2037.4	1981.0	1935.6	1935.1	2031.9	2111.3	2277.0	2522.6	2207.0
30°	2231.6	2230.5	2180.7	2109.7	2027.5	1951.9	2009.5	2081.7	2253.5	2575.1	2219.8
32.5°	2390.5	2388.9	2351.4	2276.4	2172.3	2027.5	2033.0	2093.4	2260.1	2645.0	2251.2
35°	2558.9	2556.1	2539.8	2474.4	2359.8	2166.7	2110.3	2157.3	2302.6	2749.6	2312.7
37.5°	2741.4	2744.0	2755.8	2693.1	2572.8	2361.9	2239.5	2271.4	2388.3	2891.8	2412.9
40°	3010.4	3009.8	3013.7	2931.5	2815.7	2600.8	2420.2	2430.3	2531.5	3080.3	2565.1
42.5°	3498.8	3464.6	3361.2	3193.3	3077.0	2873.8	2647.9	2637.2	2706.6	3313.7	2778.3
45°	4155.0	4082.3	3813.7	3492.0	3343.3	3181.5	2928.1	2894.1	2938.2	3593.9	3041.1
47.5°	4719.5	4643.9	4264.1	3803.1	3625.8	3473.6	3256.5	3195.0	3209.5	3907.7	3374.6
50°	4911.3	4874.4	4542.7	4073.8	3899.4	3841.1	3637.5	3562.5	3541.8	4270.8	3761.1
52.5°	4844.8	4842.1	4621.0	4249.5	4150.0	4221.6	4117.0	4030.2	3954.2	4653.5	4154.5
55°	4737.9	4751.9	4653.0	4403.3	4400.0	4569.0	4772.7	4700.5	4480.0	5069.1	4493.5
57.5°	4443.1	4503.0	4635.0	4694.4	4831.9	5004.8	5318.6	5361.2	5100.4	5387.5	4774.8
60°	3605.0	3736.5	4168.5	4736.3	5388.5	5819.3	5977.7	6014.0	5609.6	5652.1	5154.8
62.5°	2558.9	2693.1	3240.8	4201.4	5397.0	6889.6	6959.5	6816.8	6170.1	6044.2	5809.9
65°	1358.3	1461.8	1909.5	3032.7	4679.2	7137.9	8676.4	8251.3	7159.2	6815.7	6656.3
67.5°	694.8	726.1	904.0	1484.2	3216.8	6340.2	10215.4	10514.8	8863.8	7581.1	6615.4
69°	614.8	633.2	751.3	1073.0	2059.9	5370.1	10290.4	11291.8	9756.2	7517.2	6011.8
70°	595.3	611.6	718.9	971.2	1610.1	4503.5	10003.4	11223.5	9984.4	7274.5	5560.9
72.5°	505.3	519.2	640.0	858.2	1308.5	2235.6	8125.9	9510.6	8959.5	6059.8	4025.2
75°	337.9	383.8	614.2	804.4	1217.3	1269.9	5357.2	6872.7	6384.3	4087.3	2096.8
77.5°	81.1	87.3	173.4	640.0	1113.3	1117.7	2755.3	4272.5	3484.9	1456.8	495.7
80°	43.6	41.9	48.6	127.0	1036.7	1049.0	1240.3	2073.8	1244.3	241.7	163.4
82.5°	30.8	29.1	31.3	53.1	326.1	955.6	897.3	938.7	515.8	92.9	73.3
85°	11.2	10.6	17.4	48.1	102.3	549.3	921.9	774.3	417.9	42.5	53.7
87.5°	4.0	3.4	6.7	26.3	31.3	233.9	568.9	585.2	164.4	25.7	25.1
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°	2575.1	2575.1	2575.1	2575.1	2575.1	2575.1	2575.1	2575.1	2575.1	2575.1	2575.1
2.5°	2552.2	2517.6	2453.8	2388.3	2327.9	2255.1	2218.7	2183.0	2167.8	2162.2	2135.9
5°	2478.3	2419.5	2284.2	2148.2	2022.9	1889.7	1802.0	1731.4	1690.1	1669.9	1638.1
7.5°	2383.8	2287.6	2082.3	1872.4	1677.2	1484.8	1342.1	1232.5	1156.9	1120.6	1087.5
10°	2292.0	2163.9	1871.9	1586.0	1320.8	1065.8	868.8	726.1	635.1	593.1	566.2
12.5°	2209.8	2043.7	1668.8	1306.8	974.0	675.2	474.9	361.4	305.0	285.2	275.8
15°	2136.6	1932.9	1476.9	1041.7	659.6	386.0	259.6	221.0	212.1	212.1	210.9
17.5°	2067.1	1824.3	1291.8	792.7	414.0	236.1	197.4	192.4	192.4	194.7	194.7
20°	2000.5	1720.9	1112.7	568.9	260.7	187.4	178.4	177.3	178.4	181.3	181.3
22.5°	1943.5	1626.9	945.4	390.5	193.6	169.0	164.4	162.8	163.4	165.0	166.2
25°	1901.0	1547.4	787.6	264.6	166.7	153.8	148.8	146.0	143.7	143.7	144.9
27.5°	1874.2	1480.3	635.1	192.4	149.9	139.9	131.9	127.5	122.5	119.7	120.8
30°	1854.5	1416.5	491.7	157.3	134.3	124.2	114.1	106.8	99.5	96.2	97.4
32.5°	1847.2	1365.0	367.5	138.8	120.3	109.0	96.8	87.3	79.4	76.6	77.2
35°	1866.9	1324.2	269.1	125.3	109.0	95.0	81.1	70.5	64.4	62.6	63.3
37.5°	1918.4	1302.4	201.4	114.1	99.0	83.4	67.7	57.6	53.7	53.7	54.3
40°	2015.8	1301.9	161.7	106.3	90.0	72.2	55.9	48.6	46.4	47.5	48.1
42.5°	2157.8	1331.5	141.0	99.0	82.3	61.5	46.4	41.4	40.9	41.9	42.5
45°	2352.0	1385.7	129.8	92.9	73.9	51.5	39.2	35.8	35.8	37.4	38.0
47.5°	2589.7	1465.1	120.3	86.8	65.4	43.0	33.6	31.3	31.9	33.6	34.1
50°	2876.1	1565.3	110.8	80.0	59.3	35.8	29.1	27.5	28.0	30.1	30.8
52.5°	3202.3	1700.2	102.9	73.9	51.5	29.6	24.6	23.5	24.6	26.9	27.5
55°	3482.0	1821.1	93.4	68.9	41.4	24.6	20.1	20.1	21.3	24.0	24.6
57.5°	3751.1	1947.4	85.0	59.3	32.4	19.5	16.8	17.4	19.0	21.9	22.4
60°	4146.1	2161.7	75.0	49.8	24.6	15.7	13.9	14.5	16.8	19.5	20.1
62.5°	4816.8	2487.9	64.9	41.4	19.0	12.3	11.2	12.3	15.1	18.5	19.0
65°	5422.1	2620.5	53.1	34.6	14.5	9.5	9.5	11.2	14.5	17.9	18.5
67.5°	5084.8	2205.8	41.4	27.5	11.2	7.3	7.8	10.6	13.9	17.9	18.5
69°	4496.8	1803.7	35.3	21.9	9.5	6.7	7.3	10.6	13.9	17.4	17.9
70°	4038.7	1522.8	31.3	18.5	8.4	6.7	7.3	10.1	13.9	17.4	17.9
72.5°	2704.9	822.4	25.1	13.4	7.8	6.1	6.1	10.1	13.4	16.8	17.4
75°	1162.5	227.2	20.1	9.5	6.7	5.6	5.6	9.5	12.9	16.2	17.4
77.5°	212.6	57.6	16.2	8.4	6.7	5.6	5.0	9.0	12.3	15.7	16.2
80°	84.4	28.5	12.9	7.3	6.1	5.0	4.5	8.4	11.8	15.1	15.7
82.5°	51.0	16.2	10.6	6.7	6.1	4.5	4.0	7.3	11.2	14.5	15.1
85°	41.4	11.2	8.4	6.7	5.6	4.5	3.4	6.7	10.1	13.9	14.5
87.5°	20.1	7.8	7.8	6.1	5.6	4.5	3.4	6.1	9.5	13.4	13.9
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)