

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: P323516

Luminaire Tested: **GAN-SA2B-740-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323516
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2B-740-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 800mA 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: 9990 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

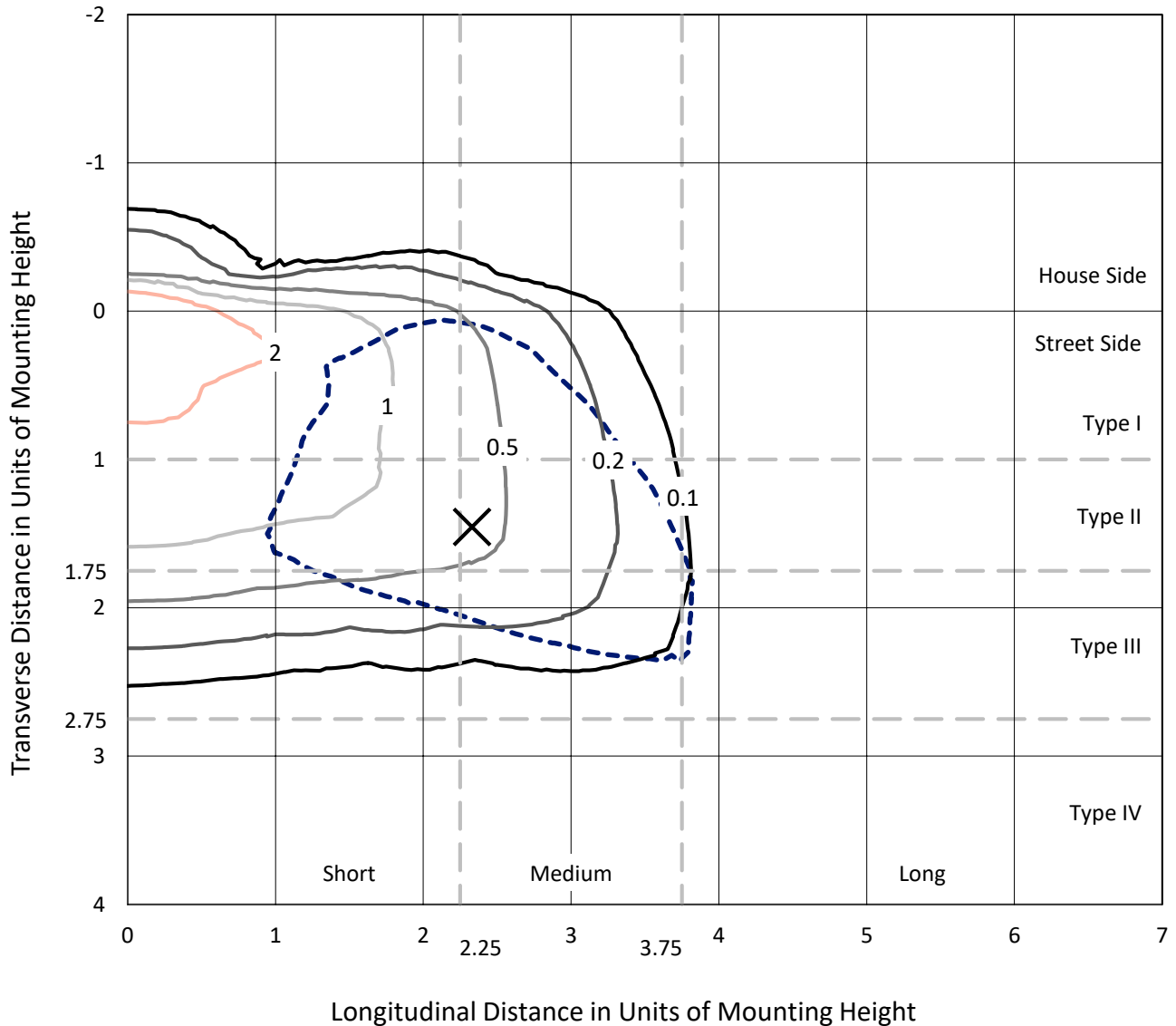
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

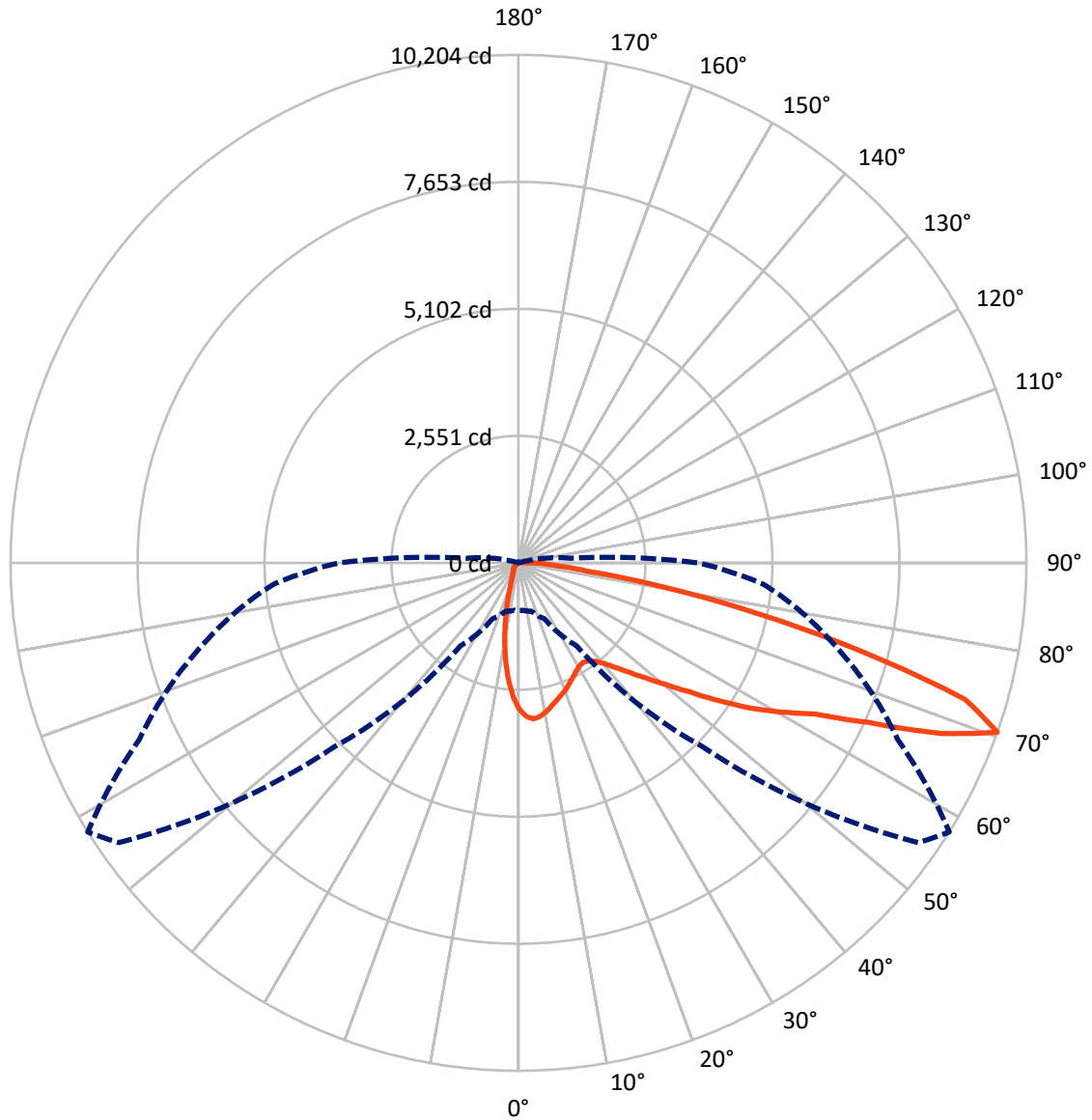
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	854.9	0.0	854.9
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	9135.1	0.0	9135.1
	% Fixture	91.4	0.0	91.4
Total	Lumens	9990.0	0.0	9990.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.3	2.4
10°-20°	506.5	5.1
20°-30°	665.8	6.7
30°-40°	881.8	8.8
40°-50°	1318.0	13.2
50°-60°	2111.4	21.1
60°-70°	2661.5	26.6
70°-80°	1435.6	14.4
80°-90°	168.0	1.7
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°	9990.0	100.0
0°-180°	9990.0	100.0

Coefficient of Utilization

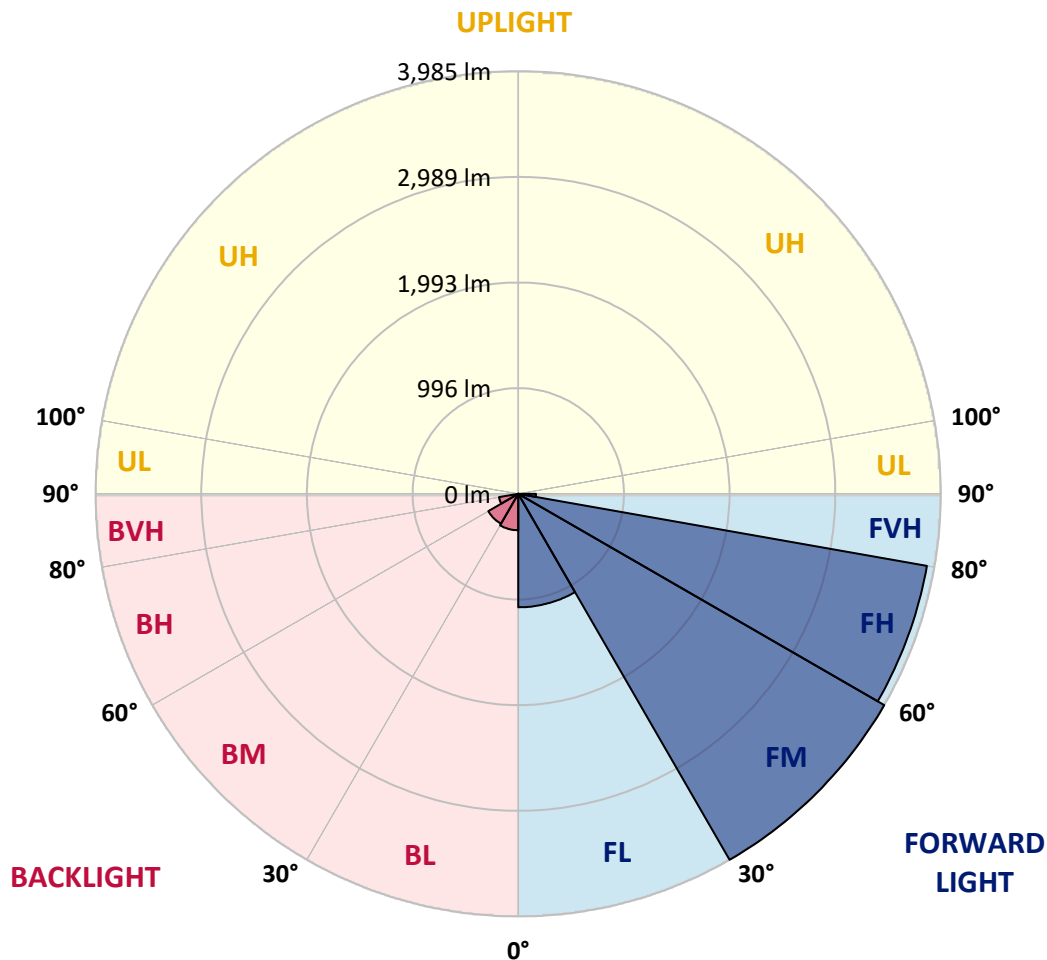


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1070.1	10.7			
FM (30°-60°)	3985.2	39.9			
FH (60°-80°)	3913.2	39.2			G2/5000
FVH (80°-90°)	166.6	1.7			G2/225
BL (0°-30°)	343.5	3.4	B1/500		
BM (30°-60°)	326.1	3.3	B1/1000		
BH (60°-80°)	183.9	1.8	B1/500		G1/500
BVH (80°-90°)	1.4	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2951.0	2951.0	2951.0	2951.0	2951.0	2951.0	2951.0	2951.0	2951.0	2951.0	2951.0
2.5°	3195.7	3187.8	3184.9	3179.9	3160.8	3142.1	3105.1	3094.7	3071.5	3016.2	2957.6
5°	3198.2	3197.7	3206.5	3204.4	3197.7	3189.0	3162.4	3148.7	3109.3	3030.3	2923.2
7.5°	3044.0	3051.9	3071.5	3087.2	3105.5	3129.2	3132.5	3119.2	3086.8	3001.7	2859.6
10°	2837.2	2849.6	2877.1	2908.2	2956.0	3003.3	3045.7	3044.0	3032.8	2948.9	2783.2
12.5°	2629.9	2644.4	2676.0	2722.1	2789.8	2867.1	2942.7	2953.1	2971.8	2901.6	2712.6
15°	2448.4	2460.8	2492.0	2548.5	2632.4	2736.2	2847.1	2866.3	2914.4	2864.6	2653.6
17.5°	2294.3	2302.1	2325.0	2387.7	2484.9	2610.8	2754.9	2792.3	2864.2	2835.5	2602.5
20°	2186.7	2187.9	2202.9	2246.9	2344.1	2484.9	2659.4	2713.0	2811.0	2810.6	2549.7
22.5°	2133.5	2129.3	2132.2	2157.6	2229.0	2364.9	2563.8	2627.4	2763.2	2789.4	2496.1
25°	2123.5	2120.2	2111.9	2115.2	2158.4	2259.8	2467.5	2541.0	2721.3	2776.5	2449.6
27.5°	2154.7	2158.0	2143.9	2128.9	2132.2	2191.6	2381.9	2467.1	2687.2	2776.5	2416.8
30°	2217.4	2219.1	2208.7	2189.2	2163.0	2172.5	2322.5	2407.7	2670.2	2795.6	2396.0
32.5°	2286.8	2295.9	2294.7	2278.9	2241.5	2202.9	2308.4	2386.1	2668.9	2838.0	2393.9
35°	2372.8	2383.1	2400.6	2397.3	2358.2	2294.7	2356.6	2417.6	2693.5	2907.8	2416.4
37.5°	2464.2	2479.9	2517.3	2535.2	2509.8	2438.0	2464.6	2508.2	2759.1	3020.8	2473.3
40°	2552.6	2570.5	2638.6	2708.8	2689.7	2615.8	2628.2	2663.1	2875.8	3183.2	2581.3
42.5°	2639.4	2666.0	2766.1	2881.6	2904.5	2845.5	2852.1	2880.0	3049.0	3406.7	2757.8
45°	2743.3	2773.2	2921.5	3064.0	3125.1	3099.3	3127.5	3145.8	3275.4	3702.0	2995.9
47.5°	2895.8	2930.2	3112.2	3274.6	3381.8	3398.4	3455.3	3467.3	3561.6	4046.0	3306.2
50°	3193.2	3202.7	3367.2	3514.7	3669.2	3768.9	3833.7	3842.9	3908.1	4421.9	3693.7
52.5°	3567.5	3573.7	3666.7	3765.6	3941.3	4144.9	4296.5	4309.4	4323.1	4788.3	4076.3
55°	3939.2	3938.4	3999.9	4058.0	4259.1	4554.9	4883.9	4891.7	4793.3	5136.0	4368.8
57.5°	4171.4	4193.9	4287.3	4362.1	4642.9	5022.2	5478.7	5507.8	5287.2	5393.5	4657.9
60°	4097.5	4108.3	4315.6	4592.2	5121.0	5686.4	6080.6	6088.1	5658.6	5650.7	5023.4
62.5°	3491.0	3496.8	3822.5	4392.9	5363.2	6547.9	6806.7	6685.0	6085.6	6007.5	5460.8
65°	2392.7	2430.5	2702.6	3407.5	4918.3	7088.4	7930.8	7729.3	6736.5	6521.8	5856.3
67.5°	1409.0	1401.1	1535.7	2055.0	3612.3	6729.5	9352.7	9152.5	7624.2	6866.1	5740.4
70°	962.5	957.1	1008.6	1244.1	2039.2	5220.3	9800.1	10204.3	8408.1	6634.3	4940.3
72.5°	687.1	690.0	766.0	966.6	1280.3	3041.6	8427.6	9384.3	8162.6	5783.6	3755.2
75°	466.5	474.4	583.2	793.0	1122.4	1547.4	5980.5	7133.7	6646.8	4203.4	2158.4
77.5°	250.9	259.6	388.0	638.9	1014.8	1075.1	3847.0	4909.6	4175.2	1889.7	625.6
80°	104.7	109.7	181.5	464.4	876.9	944.2	2263.5	2977.2	1779.2	372.6	139.6
82.5°	45.3	47.8	75.6	277.1	655.5	797.2	1198.4	1432.3	539.2	81.8	70.2
85°	8.7	9.1	31.2	146.6	418.3	449.9	776.8	761.4	242.2	35.3	51.1
87.5°	0.0	0.0	7.5	46.1	123.0	245.1	474.0	468.2	82.2	17.0	19.1
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°	2951.0	2951.0	2951.0	2951.0	2951.0	2951.0	2951.0	2951.0	2951.0	2951.0	2951.0
2.5°	2927.7	2899.1	2838.8	2764.5	2707.6	2644.8	2595.0	2531.9	2504.4	2505.7	2490.7
5°	2862.1	2803.1	2669.8	2501.5	2371.9	2238.2	2123.1	2008.5	1940.7	1918.7	1898.0
7.5°	2768.2	2674.8	2462.1	2202.9	1983.5	1769.2	1582.7	1418.6	1314.7	1264.1	1245.4
10°	2662.3	2531.0	2223.2	1881.8	1568.5	1278.6	1036.8	826.6	742.7	685.8	671.3
12.5°	2569.2	2391.5	1989.8	1552.3	1180.6	830.8	600.3	469.4	412.5	390.1	386.3
15°	2481.6	2261.0	1765.0	1254.1	817.5	511.4	381.8	337.3	324.0	320.3	320.3
17.5°	2398.9	2136.8	1545.3	960.4	540.9	358.5	316.1	306.1	302.0	301.6	302.0
20°	2312.5	2012.6	1329.3	703.7	377.6	303.7	292.0	286.6	285.4	285.4	285.4
22.5°	2229.9	1888.4	1119.1	502.6	302.8	277.1	271.3	267.5	266.3	265.9	265.0
25°	2150.5	1770.4	913.9	355.2	265.9	253.8	248.8	243.8	240.1	238.0	236.8
27.5°	2085.3	1665.3	722.8	285.0	240.1	229.7	223.5	216.0	206.9	202.7	201.1
30°	2033.4	1569.4	557.1	240.5	216.0	205.6	196.1	183.2	169.9	162.8	162.4
32.5°	1992.7	1475.1	422.9	212.7	194.4	181.5	167.8	151.6	136.3	128.4	127.9
35°	1972.7	1392.0	323.2	192.3	175.3	159.1	142.1	124.2	109.3	101.8	100.9
37.5°	1986.0	1321.8	252.1	175.3	159.1	140.4	120.5	101.8	88.5	81.8	81.4
40°	2034.6	1276.9	204.8	160.8	145.4	122.5	100.9	83.5	72.3	66.9	66.5
42.5°	2138.1	1260.3	174.9	148.7	132.1	105.9	83.9	69.0	58.6	54.8	54.0
45°	2310.9	1284.8	154.5	137.1	118.4	90.1	69.4	56.5	47.4	44.4	44.0
47.5°	2541.0	1349.2	140.0	125.9	105.9	76.0	57.7	45.7	38.6	35.7	35.3
50°	2837.6	1451.4	127.9	114.7	94.3	64.4	47.8	36.1	29.9	27.8	27.8
52.5°	3160.4	1573.1	117.1	104.3	82.7	53.6	38.6	27.8	23.7	21.2	21.2
55°	3427.0	1679.5	105.5	96.4	68.5	44.4	29.5	21.2	17.4	16.2	16.2
57.5°	3693.3	1792.9	92.2	82.7	54.8	36.1	22.4	15.8	12.9	12.0	12.0
60°	4038.5	1931.6	79.3	67.3	43.2	27.4	16.6	11.2	9.6	9.1	9.1
62.5°	4418.2	2013.0	67.7	54.0	33.6	20.4	12.0	7.5	7.1	7.1	6.6
65°	4650.4	1898.0	56.9	43.2	26.2	15.4	7.9	5.4	6.2	5.8	5.0
67.5°	4354.2	1485.9	46.5	33.6	20.4	11.6	5.0	3.7	6.6	5.4	4.2
70°	3605.3	1040.2	36.1	23.7	16.2	10.0	3.3	2.5	7.1	5.4	3.3
72.5°	2698.0	696.2	28.7	15.8	12.0	8.7	2.9	1.2	6.2	4.6	2.9
75°	1474.3	280.4	22.8	10.0	7.5	6.2	2.1	0.8	4.2	3.3	2.1
77.5°	388.0	73.9	16.6	6.6	4.2	2.5	1.2	0.4	2.1	1.7	0.8
80°	98.9	28.7	10.8	4.6	2.9	1.2	0.0	0.0	0.4	0.0	0.0
82.5°	52.8	12.0	6.6	3.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	39.9	7.9	3.7	2.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.4	2.5	1.2	0.0	0.0	0.0	0.0	0.0	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)