

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: P323147

Luminaire Tested: **GAN-SA3A-730-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323147
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3A-730-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10732 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

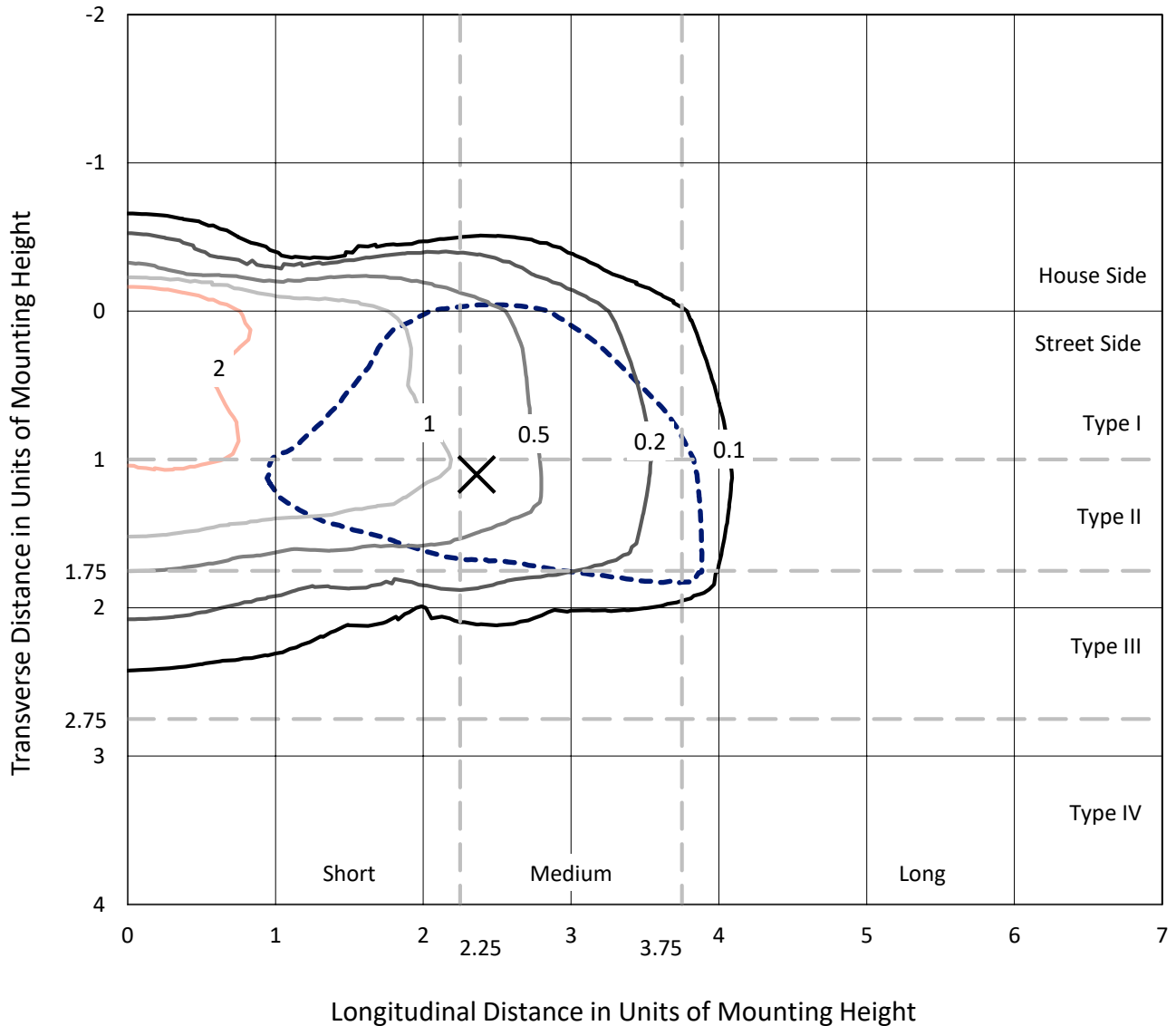
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

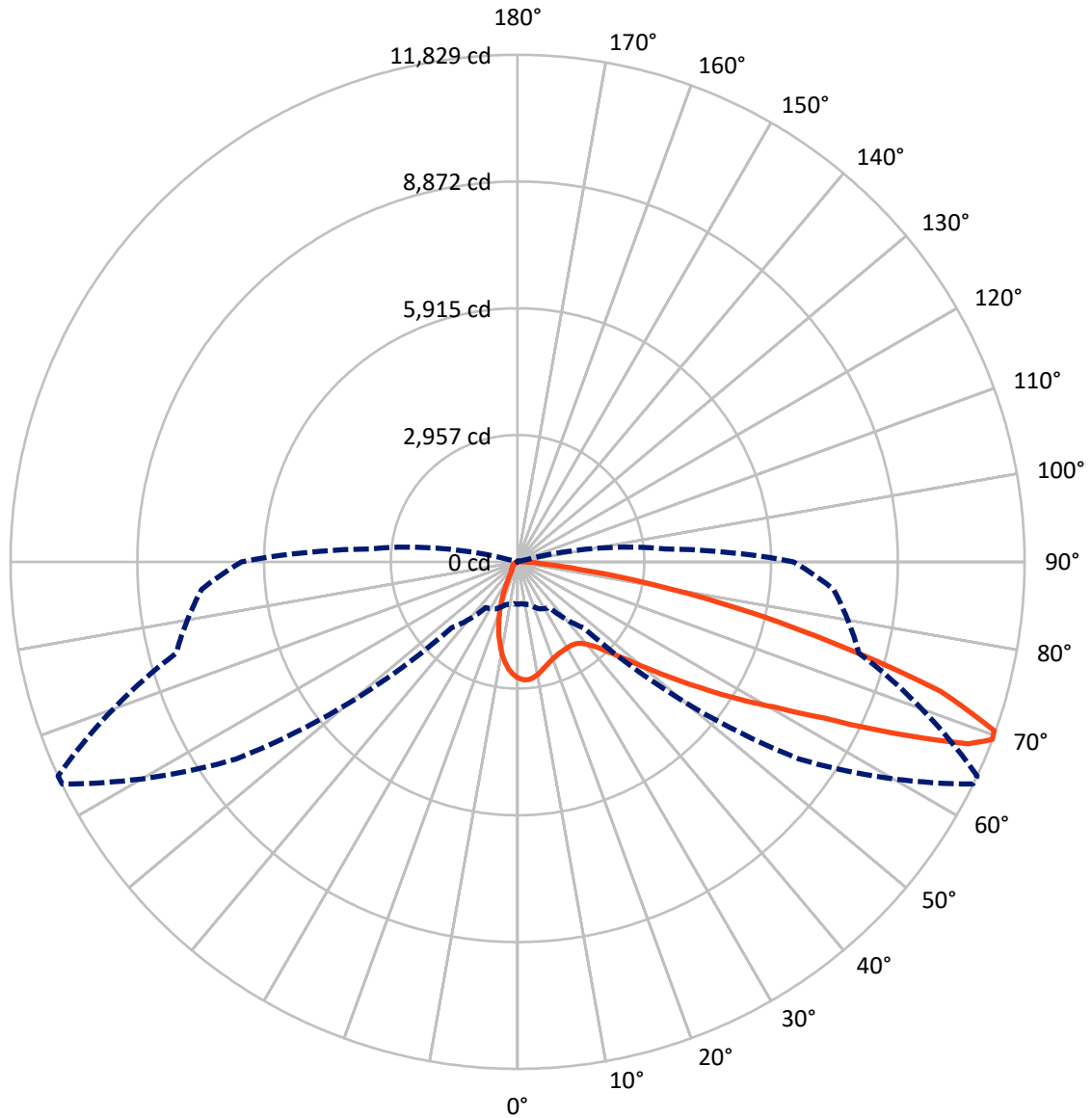
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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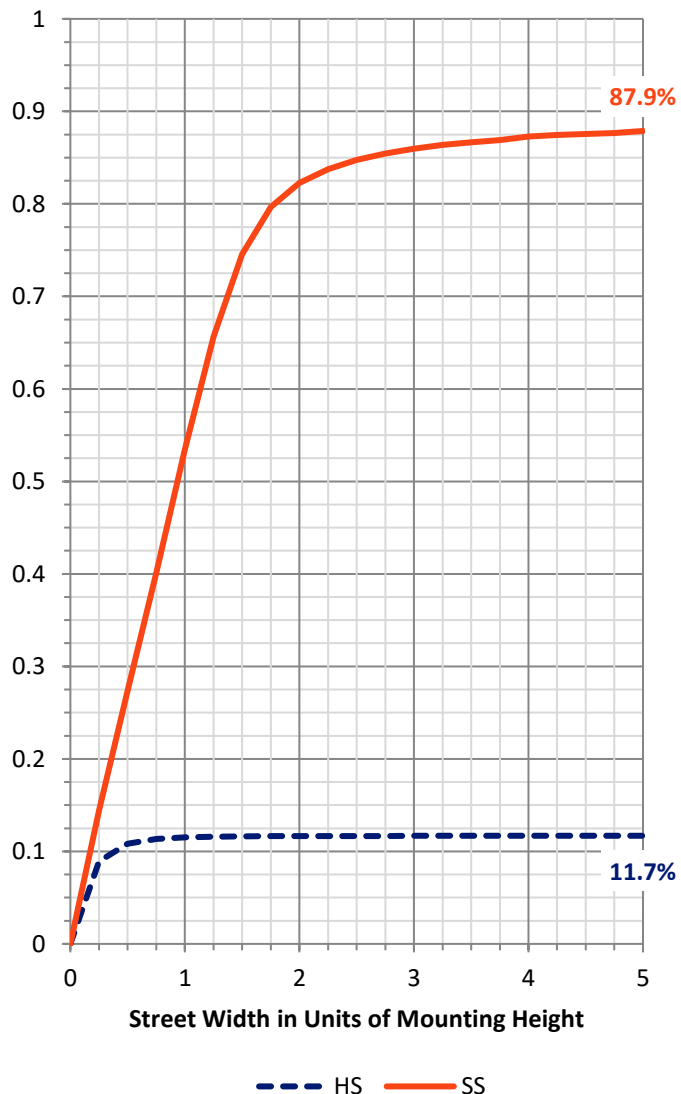
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1265.0	0.0	1265.0
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	9467.0	0.0	9467.0
	% Fixture	88.2	0.0	88.2
Total	Lumens	10732.0	0.0	10732.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.8	2.1
10°-20°	496.4	4.6
20°-30°	687.6	6.4
30°-40°	958.7	8.9
40°-50°	1490.1	13.9
50°-60°	2392.2	22.3
60°-70°	2706.0	25.2
70°-80°	1589.3	14.8
80°-90°	184.9	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°	10732.0	100.0
0°-180°	10732.0	100.0

Coefficient of Utilization

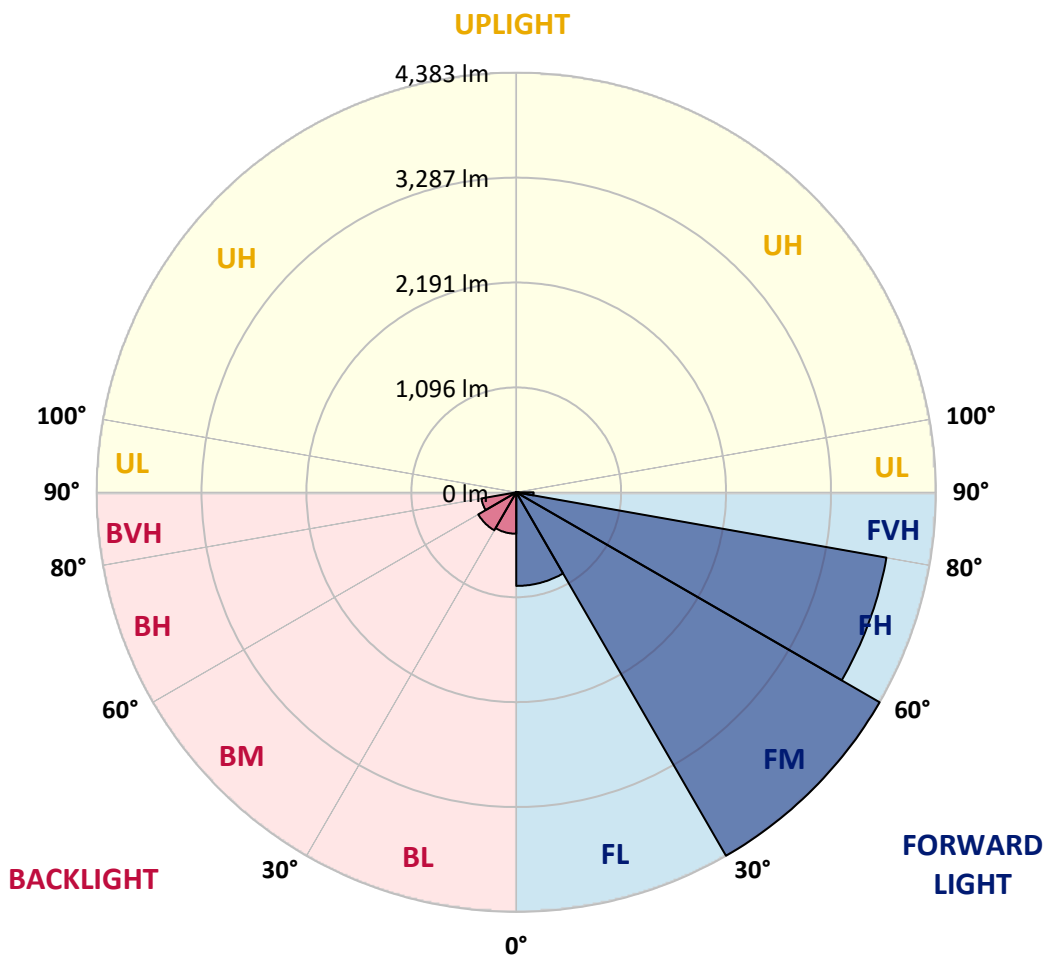


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	977.9	9.1			
FM (30°-60°)	4382.6	40.8			
FH (60°-80°)	3925.7	36.6			G2/5000
FVH (80°-90°)	180.7	1.7			G2/225
BL (0°-30°)	432.8	4.0	B1/500		
BM (30°-60°)	458.4	4.3	B1/1000		
BH (60°-80°)	369.6	3.4	B1/500		G1/500
BVH (80°-90°)	4.2	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°	64°	65°	75°	85°
0°	2712.0	2712.0	2712.0	2712.0	2712.0	2712.0	2712.0	2712.0	2712.0	2712.0	2712.0
2.5°	2736.1	2729.3	2734.7	2746.5	2752.4	2752.4	2757.0	2751.5	2753.3	2740.2	2721.1
5°	2564.9	2554.4	2569.4	2602.6	2643.4	2678.4	2730.2	2757.4	2760.1	2760.6	2738.3
7.5°	2380.5	2371.0	2393.2	2432.3	2484.9	2549.9	2640.2	2719.3	2723.8	2766.5	2750.1
10°	2230.6	2223.8	2249.7	2291.5	2353.2	2425.9	2536.7	2646.6	2659.8	2754.2	2748.3
12.5°	2111.7	2106.2	2130.7	2178.9	2242.0	2322.4	2438.2	2565.8	2583.5	2726.5	2739.2
15°	2024.9	2024.0	2044.4	2090.8	2160.7	2235.6	2354.1	2490.8	2511.3	2696.6	2737.9
17.5°	1979.5	1980.9	1995.9	2035.4	2095.3	2169.8	2283.3	2427.7	2450.0	2669.8	2744.7
20°	1975.0	1976.3	1984.5	2006.7	2055.3	2121.2	2225.6	2374.6	2397.7	2649.8	2755.6
22.5°	2014.9	2014.0	2016.3	2014.0	2041.3	2091.2	2187.5	2333.7	2360.5	2636.6	2764.2
25°	2091.7	2090.3	2089.4	2072.6	2054.4	2081.2	2171.6	2310.6	2336.0	2627.1	2769.2
27.5°	2198.4	2197.5	2196.1	2168.4	2113.9	2097.1	2173.4	2301.9	2323.3	2619.4	2768.3
30°	2338.7	2345.1	2343.3	2304.7	2219.7	2145.7	2192.5	2297.4	2316.0	2604.4	2758.8
32.5°	2503.6	2516.3	2526.3	2484.9	2378.7	2242.0	2236.5	2302.4	2316.0	2593.0	2741.5
35°	2674.8	2691.1	2727.9	2713.4	2573.5	2386.8	2312.4	2332.4	2343.7	2599.4	2733.3
37.5°	2843.2	2862.8	2942.7	2984.9	2828.7	2578.5	2430.4	2406.4	2412.3	2638.0	2742.4
40°	3039.0	3068.5	3189.7	3257.8	3133.4	2835.1	2607.1	2533.5	2535.8	2722.9	2784.7
42.5°	3296.0	3326.4	3457.7	3564.4	3476.7	3159.3	2846.9	2727.9	2725.6	2881.8	2884.1
45°	3609.3	3641.1	3776.9	3895.4	3855.9	3543.5	3153.9	3011.7	3009.0	3132.5	3072.6
47.5°	3964.5	3995.8	4117.0	4239.2	4281.9	3992.2	3544.8	3399.1	3392.7	3480.8	3363.7
50°	4269.2	4289.6	4401.3	4565.7	4758.3	4543.5	4031.2	3890.9	3884.1	3943.6	3791.0
52.5°	4380.0	4391.8	4505.3	4735.5	5216.0	5290.0	4670.2	4489.4	4484.4	4510.3	4360.0
55°	4155.6	4177.0	4316.4	4657.9	5464.0	6133.8	5476.7	5230.5	5192.8	5137.0	4954.9
57.5°	3544.4	3578.5	3728.3	4182.4	5348.2	6803.1	6661.9	6068.8	6013.4	5671.9	5438.5
60°	2655.7	2697.5	2821.9	3311.9	4730.1	7041.6	7957.1	7003.0	6878.1	6097.9	5883.1
62.5°	1822.4	1843.3	1927.7	2247.0	3483.5	6651.0	9040.6	8254.1	8026.1	6561.1	6364.0
65°	1391.9	1399.1	1433.7	1543.5	2074.4	5402.6	9471.5	9904.8	9629.1	7115.1	6863.1
67.5°	1121.7	1115.8	1163.5	1320.6	1389.1	3296.0	8968.8	11466.5	11337.5	7855.8	7365.3
69°	989.1	980.9	1029.5	1212.0	1304.7	2178.9	8017.9	11821.2	11829.3	8246.8	7399.9
70°	890.1	895.5	943.7	1147.6	1276.1	1710.2	7109.7	11730.8	11795.3	8393.0	7192.8
72.5°	594.4	609.0	705.7	952.7	1227.0	1294.2	4292.8	10066.4	10314.4	8063.8	6171.0
75°	335.1	346.0	460.9	718.4	1156.2	1232.5	2267.4	7416.2	7656.0	6743.2	4758.7
77.5°	164.4	170.3	260.7	463.7	966.8	1174.4	1286.1	5037.5	5311.4	4401.3	2691.6
80°	69.5	72.7	130.3	286.1	691.2	1120.8	955.0	3100.3	3134.3	1724.3	717.1
82.5°	26.8	27.7	54.9	178.5	439.1	873.7	798.8	1470.0	1434.6	324.7	163.5
85°	3.2	3.6	20.0	107.2	244.3	449.6	648.9	633.5	586.3	64.5	84.0
87.5°	0.0	0.0	1.4	32.7	72.7	210.7	337.4	262.9	237.0	20.9	43.6
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°	2712.0	2712.0	2712.0	2712.0	2712.0	2712.0	2712.0	2712.0	2712.0	2712.0	2712.0
2.5°	2705.2	2700.6	2676.1	2640.7	2607.1	2565.3	2525.4	2501.3	2482.2	2469.5	2484.5
5°	2712.4	2692.5	2618.0	2522.6	2429.1	2323.7	2225.6	2142.5	2109.8	2073.5	2089.9
7.5°	2710.2	2672.5	2538.5	2368.7	2197.0	2019.5	1851.4	1722.0	1654.8	1589.0	1605.8
10°	2698.8	2635.2	2432.3	2180.7	1923.6	1668.4	1430.0	1248.8	1147.6	1055.8	1069.0
12.5°	2673.8	2585.3	2306.9	1965.4	1621.7	1285.2	1005.9	773.8	649.4	594.4	601.3
15°	2658.9	2536.7	2174.3	1747.4	1299.2	895.1	614.9	457.3	400.5	382.4	384.6
17.5°	2651.6	2489.9	2037.2	1498.1	969.5	569.9	397.4	350.6	338.3	335.1	336.0
20°	2644.3	2442.7	1895.9	1251.6	668.0	383.3	326.5	312.9	308.3	304.3	305.2
22.5°	2632.1	2397.3	1744.3	1001.8	450.5	311.1	294.3	281.1	271.6	266.6	267.5
25°	2617.1	2349.6	1589.4	746.1	328.8	277.5	261.6	243.0	231.6	222.5	223.0
27.5°	2593.0	2291.0	1429.6	543.1	276.1	248.4	227.1	206.6	187.6	177.1	177.1
30°	2559.4	2224.7	1252.0	388.7	247.5	219.8	193.9	168.5	148.0	138.5	137.6
32.5°	2522.2	2155.7	1072.6	294.7	224.8	193.0	163.5	136.7	118.5	110.8	110.4
35°	2490.4	2081.2	893.7	247.0	202.1	167.1	134.9	112.2	97.6	91.3	90.8
37.5°	2470.0	2006.7	719.3	220.7	181.6	143.0	113.1	92.6	82.2	77.2	76.7
40°	2466.8	1951.3	559.9	200.7	162.6	121.7	94.5	78.6	69.0	63.6	63.1
42.5°	2508.1	1919.6	429.6	183.9	143.0	103.1	80.4	67.2	57.2	51.8	51.3
45°	2616.6	1929.5	330.6	168.9	123.5	87.2	68.1	55.9	46.8	42.7	41.8
47.5°	2814.6	1998.6	262.9	153.9	104.9	74.0	58.1	46.3	38.6	34.5	34.1
50°	3167.0	2160.7	219.8	137.6	87.6	63.1	48.1	37.7	31.3	27.7	27.2
52.5°	3634.8	2449.5	196.2	121.7	72.7	53.6	39.5	30.0	24.5	21.8	21.3
55°	4150.6	2799.2	180.7	104.4	59.5	44.5	31.3	23.6	19.1	16.8	15.9
57.5°	4654.3	3102.1	166.2	87.6	49.5	36.3	25.0	18.6	15.0	12.7	12.3
60°	5117.0	3380.5	149.4	70.4	40.4	28.6	19.5	14.5	11.8	9.5	9.5
62.5°	5612.4	3595.7	126.2	54.9	33.2	21.8	15.9	13.2	9.5	8.2	7.7
65°	6137.4	3755.6	99.0	42.7	25.9	16.3	13.2	13.6	7.7	5.9	5.4
67.5°	6525.2	3723.8	73.1	33.6	20.0	12.7	12.7	14.5	6.8	4.5	4.1
69°	6439.9	3465.4	61.3	29.1	17.3	10.9	11.8	14.5	6.4	4.1	3.6
70°	6192.4	3179.3	54.0	25.9	15.4	10.0	11.4	14.1	5.9	4.1	3.6
72.5°	5157.0	2394.6	42.2	19.5	12.3	8.2	9.5	12.3	5.9	4.1	3.2
75°	3879.1	1532.6	32.2	14.1	9.1	6.4	7.3	9.1	5.9	3.6	3.2
77.5°	2110.7	552.7	23.2	9.5	6.4	5.0	5.0	6.8	5.4	2.7	1.8
80°	542.7	139.0	14.5	6.4	5.0	3.6	3.2	4.5	3.2	0.5	0.0
82.5°	134.0	31.3	7.7	4.5	3.6	1.4	1.4	2.3	1.4	0.0	0.0
85°	73.6	15.4	5.0	3.2	1.8	0.0	0.0	0.5	0.0	0.0	0.0
87.5°	37.7	4.5	1.4	0.9	0.5	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)