

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: P648760

Luminaire Tested: **GLAN-SA2C-835-U-SL3-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P648760
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2C-835-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 1050mA 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: 9157.2 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

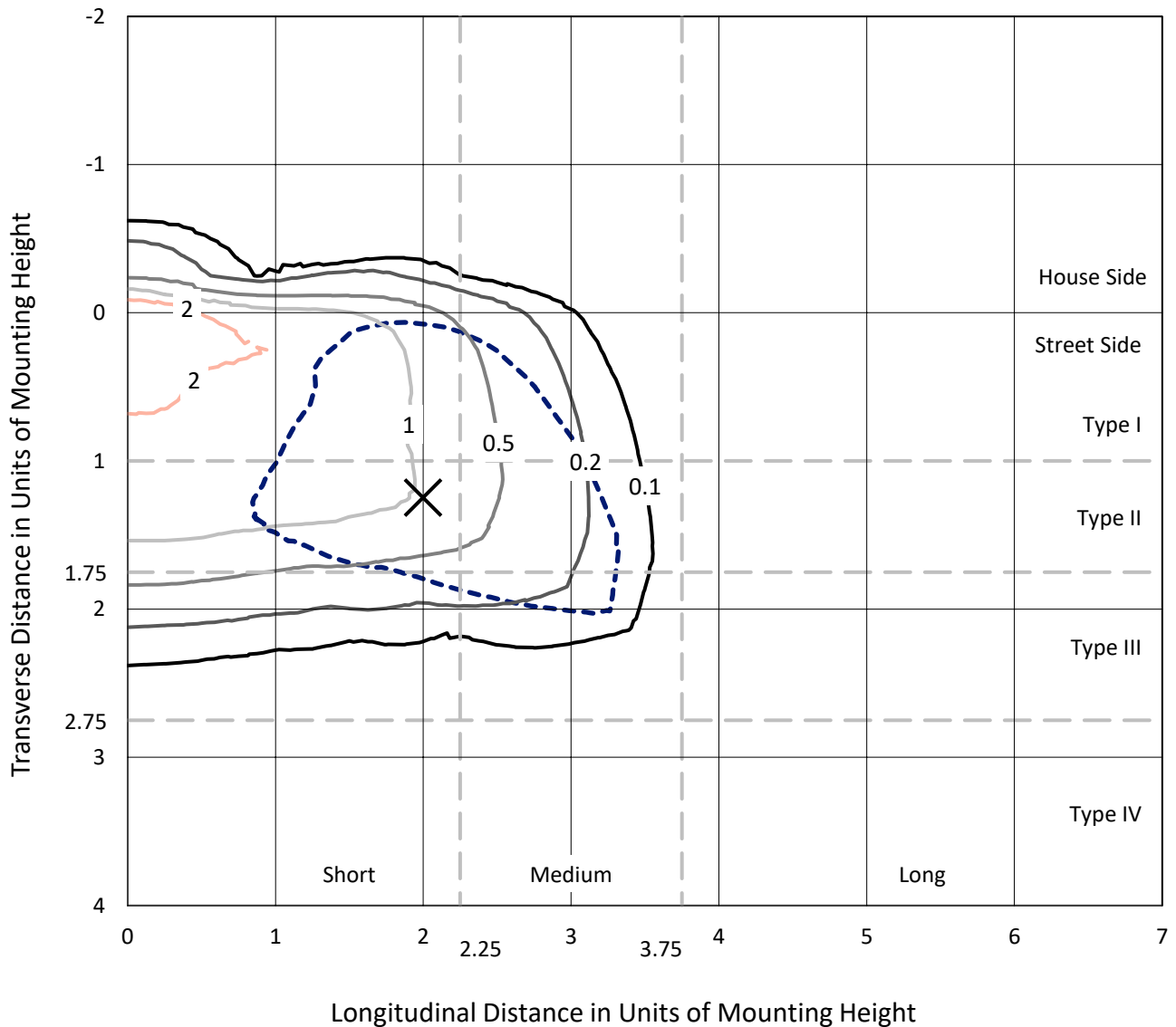
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

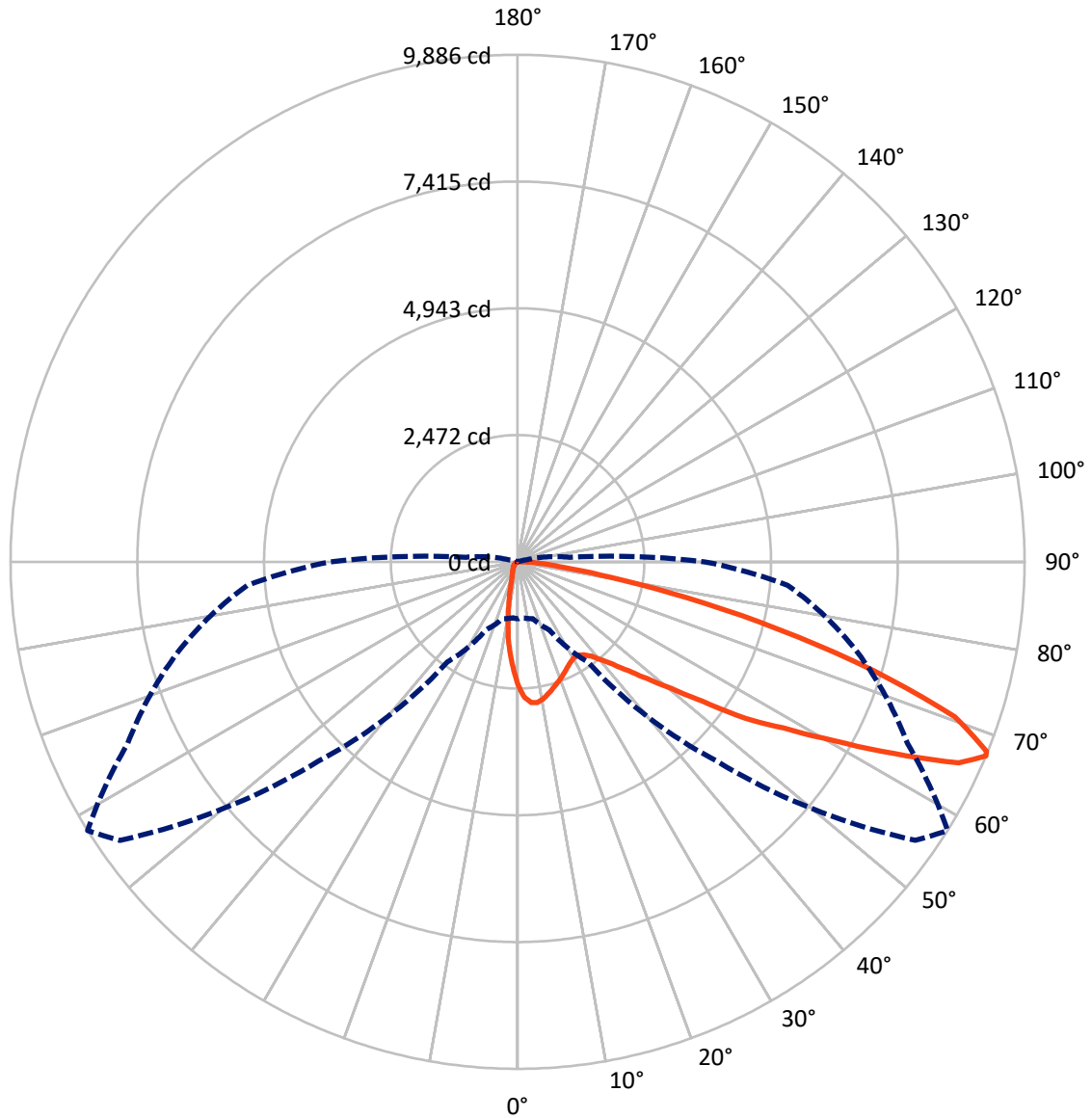
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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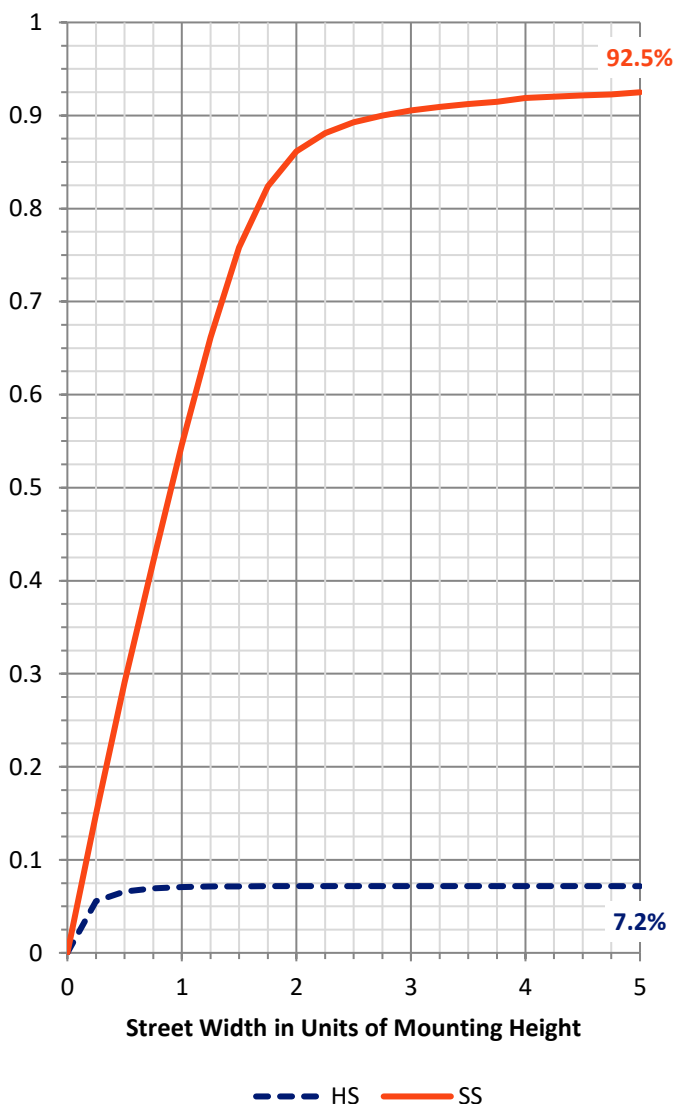
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	660.8	0.0	660.8
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	8496.4	0.0	8496.4
	% Fixture	92.8	0.0	92.8
Total	Lumens	9157.2	0.0	9157.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.0	2.2
10°-20°	425.4	4.6
20°-30°	576.5	6.3
30°-40°	799.6	8.7
40°-50°	1275.2	13.9
50°-60°	2204.3	24.1
60°-70°	2518.0	27.5
70°-80°	1049.8	11.5
80°-90°	111.3	1.2
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°	9157.2	100.0
0°-180°	9157.2	100.0

Coefficient of Utilization



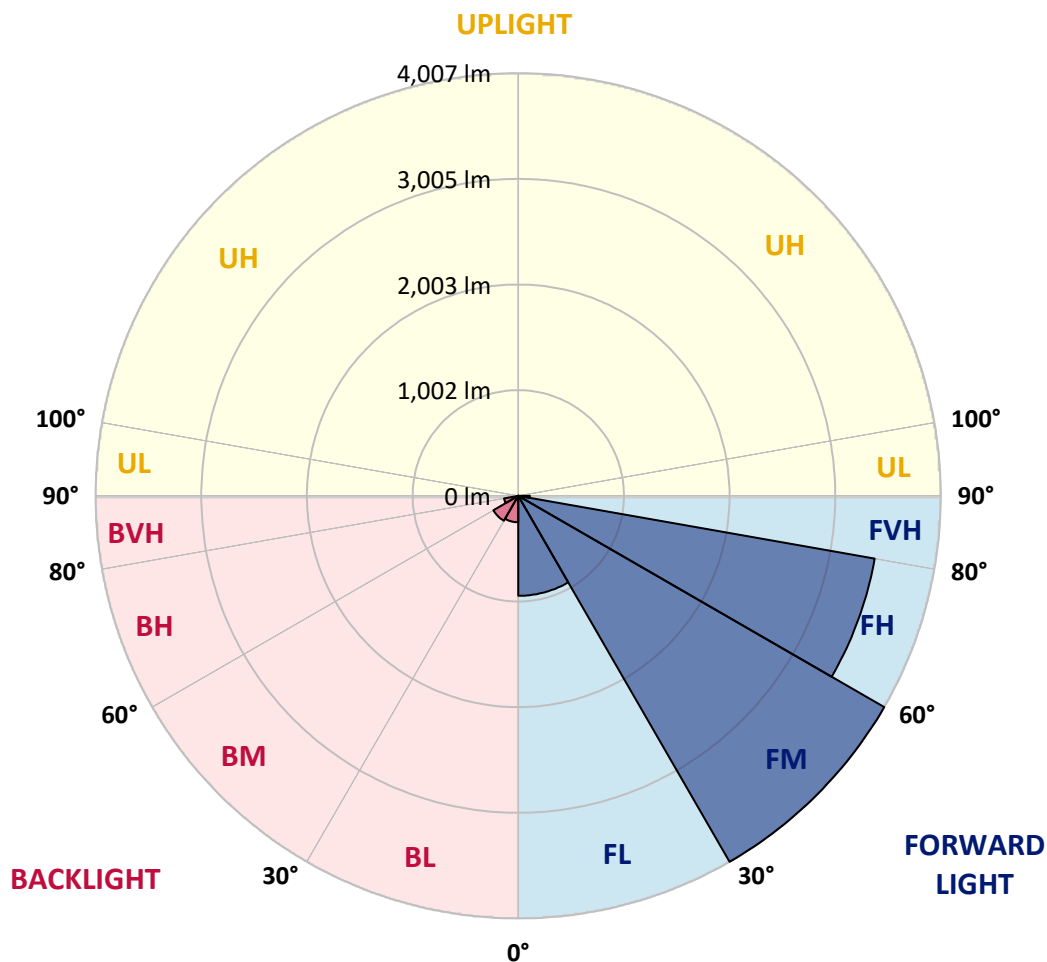
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	948.0	10.4			
FM (30°-60°)	4006.6	43.8			
FH (60°-80°)	3431.2	37.5			G2/5000
FVH (80°-90°)	110.5	1.2			G2/225
BL (0°-30°)	250.9	2.7	B1/500		
BM (30°-60°)	272.5	3.0	B1/1000		
BH (60°-80°)	136.6	1.5	B1/500		G1/500
BVH (80°-90°)	0.8	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°	58°	65°	75°	85°
0°	2427.5	2427.5	2427.5	2427.5	2427.5	2427.5	2427.5	2427.5	2427.5	2427.5	2427.5
2.5°	2817.3	2821.5	2805.6	2792.8	2759.8	2724.3	2677.2	2652.1	2609.2	2535.2	2453.2
5°	2883.4	2888.9	2886.5	2883.4	2870.5	2836.3	2776.3	2754.3	2691.2	2570.7	2422.6
7.5°	2736.5	2756.7	2759.1	2783.0	2805.6	2808.7	2786.1	2769.5	2711.5	2570.0	2368.1
10°	2541.9	2555.4	2575.0	2602.5	2657.0	2702.2	2724.3	2721.8	2688.2	2551.1	2304.5
12.5°	2345.5	2352.8	2382.8	2430.0	2496.6	2573.7	2632.4	2644.1	2644.7	2528.5	2251.3
15°	2176.6	2173.5	2196.8	2251.3	2344.9	2441.6	2546.8	2565.2	2594.5	2506.5	2201.7
17.5°	2032.2	2048.1	2051.8	2111.8	2198.0	2323.5	2457.4	2489.9	2548.7	2487.4	2160.7
20°	1942.9	1951.4	1959.4	1993.0	2070.7	2202.9	2373.7	2418.3	2505.8	2470.3	2114.8
22.5°	1916.5	1922.0	1915.3	1925.7	1980.8	2098.3	2282.4	2341.8	2464.8	2454.4	2077.5
25°	1936.8	1942.2	1926.3	1914.1	1933.1	2013.2	2194.4	2266.6	2431.8	2451.3	2049.3
27.5°	1985.7	1996.1	1974.0	1952.0	1941.0	1967.3	2125.2	2209.0	2409.1	2466.1	2036.5
30°	2062.2	2068.3	2051.8	2024.8	1999.8	1973.5	2089.1	2169.2	2403.0	2500.3	2035.3
32.5°	2145.4	2158.3	2149.1	2131.3	2098.9	2036.5	2099.5	2170.5	2417.7	2549.8	2050.5
35°	2248.2	2262.9	2271.5	2267.8	2226.1	2148.5	2165.6	2225.5	2456.8	2641.1	2092.2
37.5°	2349.2	2362.0	2410.4	2426.9	2390.2	2316.7	2294.1	2333.9	2543.1	2760.4	2167.4
40°	2464.8	2482.0	2549.8	2612.9	2595.2	2518.0	2476.5	2509.5	2675.3	2940.2	2310.0
42.5°	2575.6	2606.1	2709.6	2820.9	2837.4	2751.2	2723.7	2734.7	2871.1	3199.1	2508.9
45°	2732.8	2761.6	2895.0	3046.1	3123.9	3056.5	3028.4	3026.5	3139.8	3563.2	2831.3
47.5°	2959.8	2985.6	3142.8	3292.1	3430.4	3439.6	3386.4	3404.7	3477.5	3989.1	3226.7
50°	3238.3	3298.9	3402.3	3557.7	3742.5	3891.8	3908.3	3883.8	3946.2	4482.3	3701.5
52.5°	3642.8	3666.0	3760.8	3888.8	4105.3	4358.7	4555.1	4521.5	4501.9	4952.2	4181.2
55°	3944.4	3975.6	4123.1	4298.7	4616.3	4950.4	5376.3	5388.0	5140.7	5403.9	4650.6
57.5°	3853.2	3901.0	4124.4	4477.4	5175.6	5786.3	6103.3	6111.2	5731.9	5842.6	5180.5
60°	3385.1	3407.8	3727.8	4199.0	5223.3	6692.0	7134.4	7070.1	6333.4	6333.4	5648.6
62.5°	2400.6	2436.1	2695.5	3388.8	4717.3	7006.5	8369.3	8236.5	7161.9	6802.7	5927.7
65°	1534.1	1499.8	1671.8	2139.2	3514.3	6542.0	9444.4	9452.3	7941.5	6990.5	5775.3
67°	1111.2	1097.8	1147.3	1462.5	2382.8	5499.3	9467.0	9886.2	8389.5	6871.8	5288.2
67.5°	1016.4	1026.8	1062.9	1319.3	2165.0	5004.3	9364.2	9860.5	8490.4	6800.3	5112.0
70°	770.4	752.7	791.8	933.2	1297.9	3156.9	8055.3	9043.6	8364.9	6089.9	4084.6
72.5°	566.7	564.8	619.3	763.0	999.3	1681.6	6047.0	7251.3	6833.9	4637.2	2571.9
75°	382.4	399.6	486.5	637.6	905.6	1090.4	4122.5	5260.7	4744.2	2633.1	1051.3
77.5°	217.8	219.1	313.3	512.2	813.2	877.5	2442.8	3351.5	2511.3	875.6	312.1
80°	94.3	103.4	155.4	372.1	674.3	777.1	1400.7	1841.9	1015.8	185.4	100.9
82.5°	34.8	41.0	68.5	228.9	492.0	640.1	846.3	879.3	344.5	65.5	63.0
85°	0.0	1.3	25.1	107.1	256.4	285.8	565.4	521.3	152.4	31.2	41.0
87.5°	0.0	0.0	0.0	11.0	33.7	106.5	175.6	195.8	36.7	11.0	9.8
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°	2427.5	2427.5	2427.5	2427.5	2427.5	2427.5	2427.5	2427.5	2427.5	2427.5	2427.5
2.5°	2409.1	2369.4	2269.6	2169.8	2095.9	2034.0	1941.0	1890.2	1863.3	1823.5	1826.0
5°	2348.5	2267.8	2092.2	1910.4	1763.6	1620.3	1449.0	1379.9	1321.8	1288.7	1266.7
7.5°	2258.6	2139.2	1879.2	1636.9	1411.1	1160.8	973.0	847.5	763.0	731.9	701.9
10°	2160.1	2001.6	1663.2	1327.3	1014.0	755.8	596.6	481.5	440.6	402.6	406.3
12.5°	2068.9	1876.1	1464.9	1047.6	710.4	480.4	374.5	327.4	313.9	309.6	309.6
15°	1994.2	1756.2	1252.0	787.5	487.1	345.1	299.8	287.0	282.1	280.9	280.9
17.5°	1914.7	1642.4	1059.9	581.9	354.3	288.8	273.5	265.0	263.1	261.9	261.9
20°	1843.7	1527.9	877.5	433.2	286.3	260.0	250.2	244.8	243.0	241.7	242.3
22.5°	1776.4	1426.4	706.2	327.4	252.1	236.8	227.0	221.5	217.8	214.8	215.4
25°	1716.4	1328.5	567.8	268.0	227.0	213.5	203.7	195.8	187.8	184.2	183.6
27.5°	1674.2	1242.8	442.4	229.5	204.4	189.7	177.4	167.6	157.2	151.7	150.6
30°	1639.4	1155.9	350.0	202.6	181.7	167.6	152.4	138.3	127.3	121.8	119.3
32.5°	1616.7	1073.3	276.0	180.5	162.8	145.6	128.5	114.4	102.2	96.7	95.4
35°	1613.1	1004.2	225.8	162.2	145.6	127.3	109.5	94.3	83.9	78.3	77.1
37.5°	1639.4	951.0	189.1	147.4	131.5	111.3	91.8	77.8	68.5	64.3	63.7
40°	1709.7	917.3	164.0	135.2	118.7	96.7	78.3	66.1	56.9	52.6	52.6
42.5°	1843.7	918.5	147.4	123.6	105.9	82.6	66.7	55.0	47.1	43.5	42.2
45°	2053.0	960.1	133.4	112.0	93.6	71.6	56.9	45.3	37.3	34.3	34.3
47.5°	2333.3	1042.7	121.1	100.4	82.6	61.2	48.3	36.7	30.0	26.9	26.9
50°	2699.8	1175.5	110.8	90.6	73.4	52.6	39.2	30.0	23.3	20.8	20.2
52.5°	3082.8	1339.5	98.5	82.0	63.0	44.6	31.8	23.3	17.8	15.9	15.3
55°	3505.7	1499.8	86.9	73.4	51.4	37.3	25.1	18.3	12.8	11.0	11.0
57.5°	3932.2	1657.1	72.8	61.2	40.4	27.6	19.6	13.5	8.5	6.7	6.7
60°	4293.3	1707.9	61.8	49.6	30.6	19.6	14.1	8.5	4.9	3.1	3.1
62.5°	4342.8	1536.6	52.0	38.0	22.0	13.5	7.4	4.9	1.8	1.3	1.3
65°	4073.6	1248.3	43.5	28.7	14.7	6.7	3.1	1.8	0.6	0.0	0.0
67°	3650.1	1012.1	35.5	21.5	10.4	4.3	1.8	0.6	0.0	0.0	0.0
67.5°	3541.8	965.0	34.3	20.2	9.2	3.7	1.3	0.6	0.0	0.0	0.0
70°	2779.3	722.7	24.5	12.2	5.5	2.4	0.0	0.0	0.0	0.0	0.0
72.5°	1727.5	408.7	17.8	7.4	3.7	1.3	0.0	0.0	0.0	0.0	0.0
75°	652.9	143.2	12.2	4.9	2.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	203.2	54.5	7.4	3.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	68.5	20.8	4.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	42.2	8.5	3.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	26.3	3.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.9	1.3	0.6	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)