

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: P650494

Luminaire Tested: **GLAN-SA6B-835-U-T4FT-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P650494
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-29)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6B-835-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19024.6 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

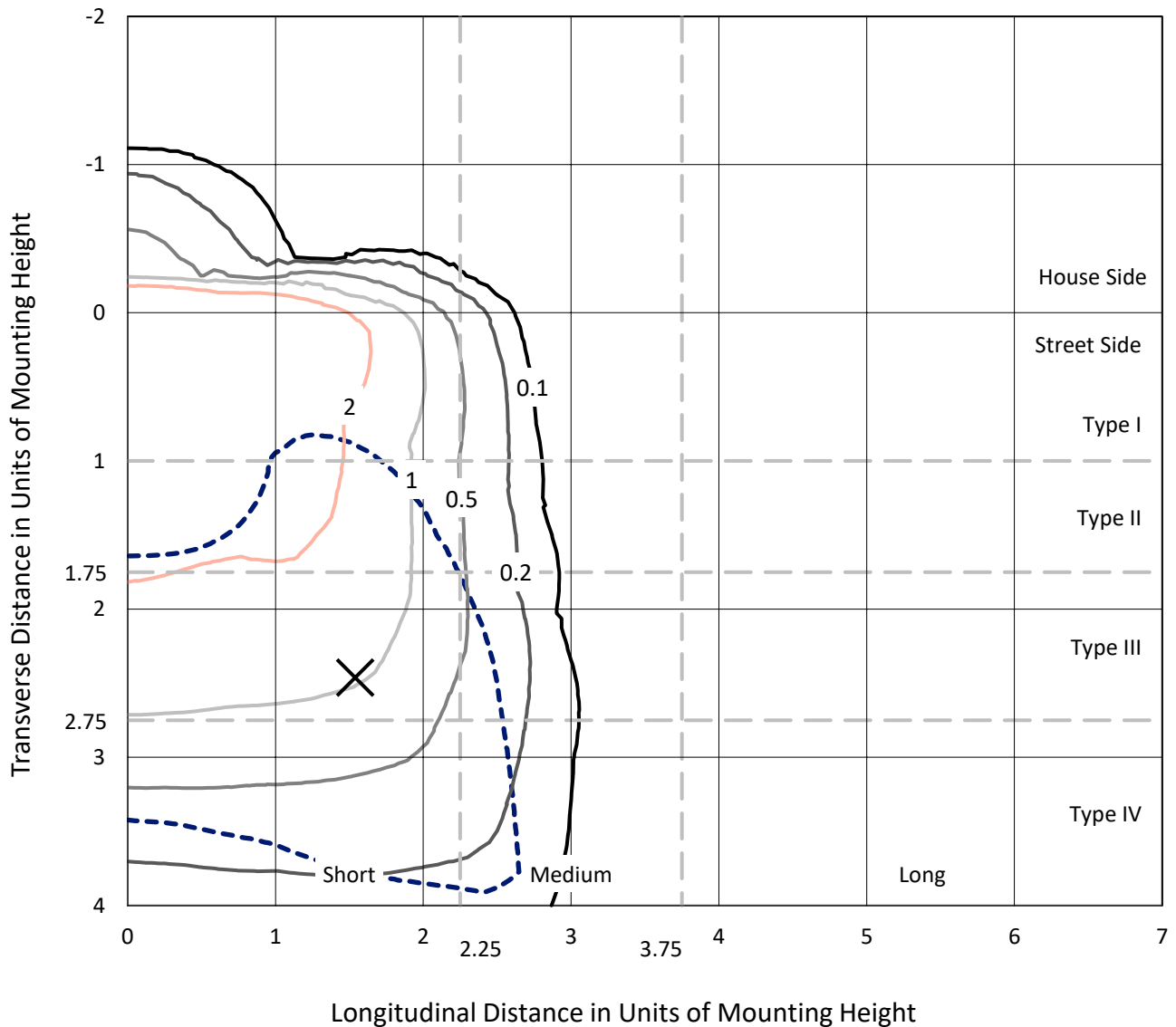
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

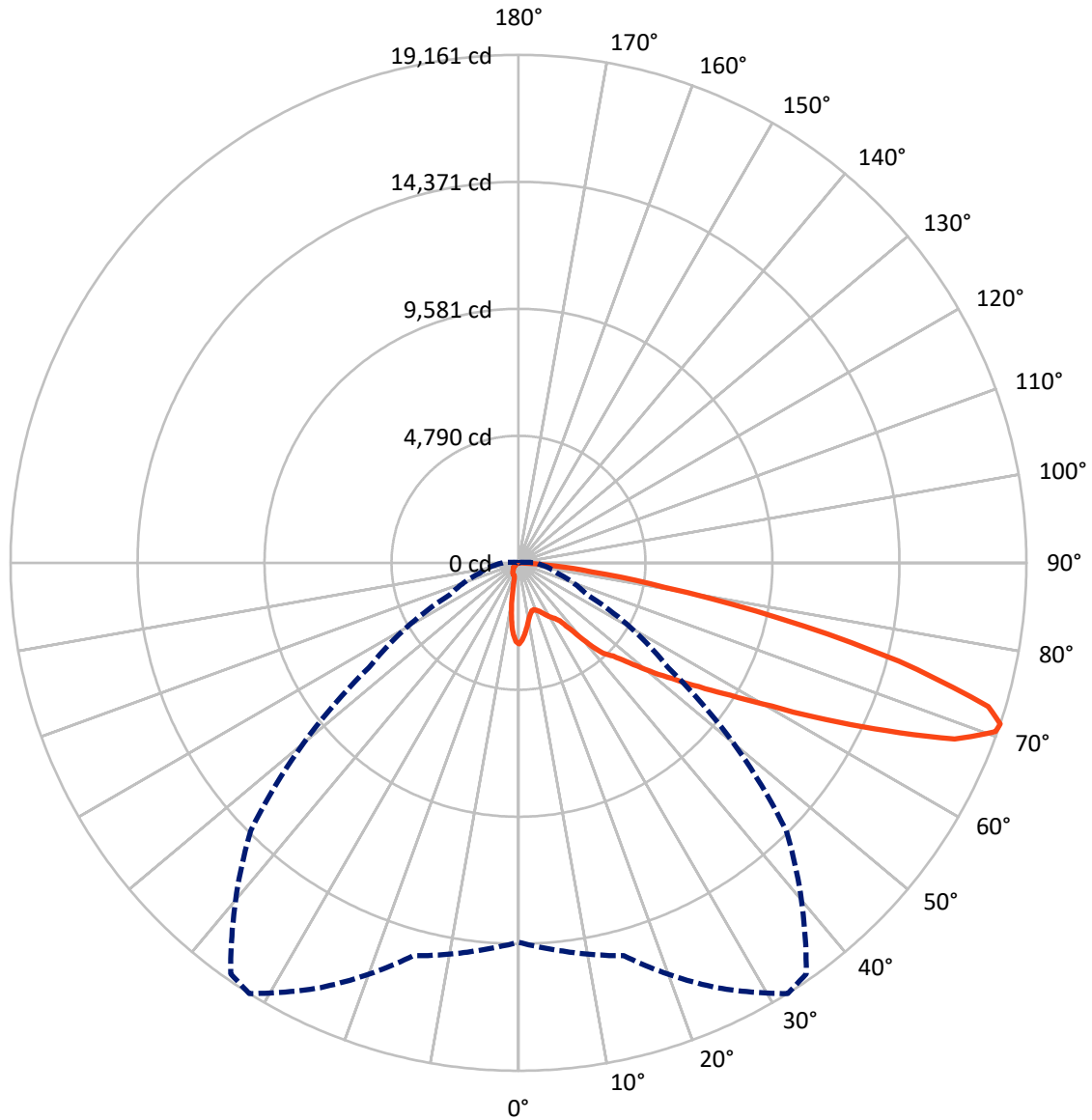
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1593.5	0.0	1593.5
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	17431.0	0.0	17431.0
	% Fixture	91.6	0.0	91.6
Total	Lumens	19024.6	0.0	19024.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.8	1.3
10°-20°	539.9	2.8
20°-30°	839.9	4.4
30°-40°	1399.4	7.4
40°-50°	2603.0	13.7
50°-60°	4179.3	22.0
60°-70°	5621.3	29.5
70°-80°	3335.2	17.5
80°-90°	257.8	1.4
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°	19024.6	100.0
0°-180°	19024.6	100.0

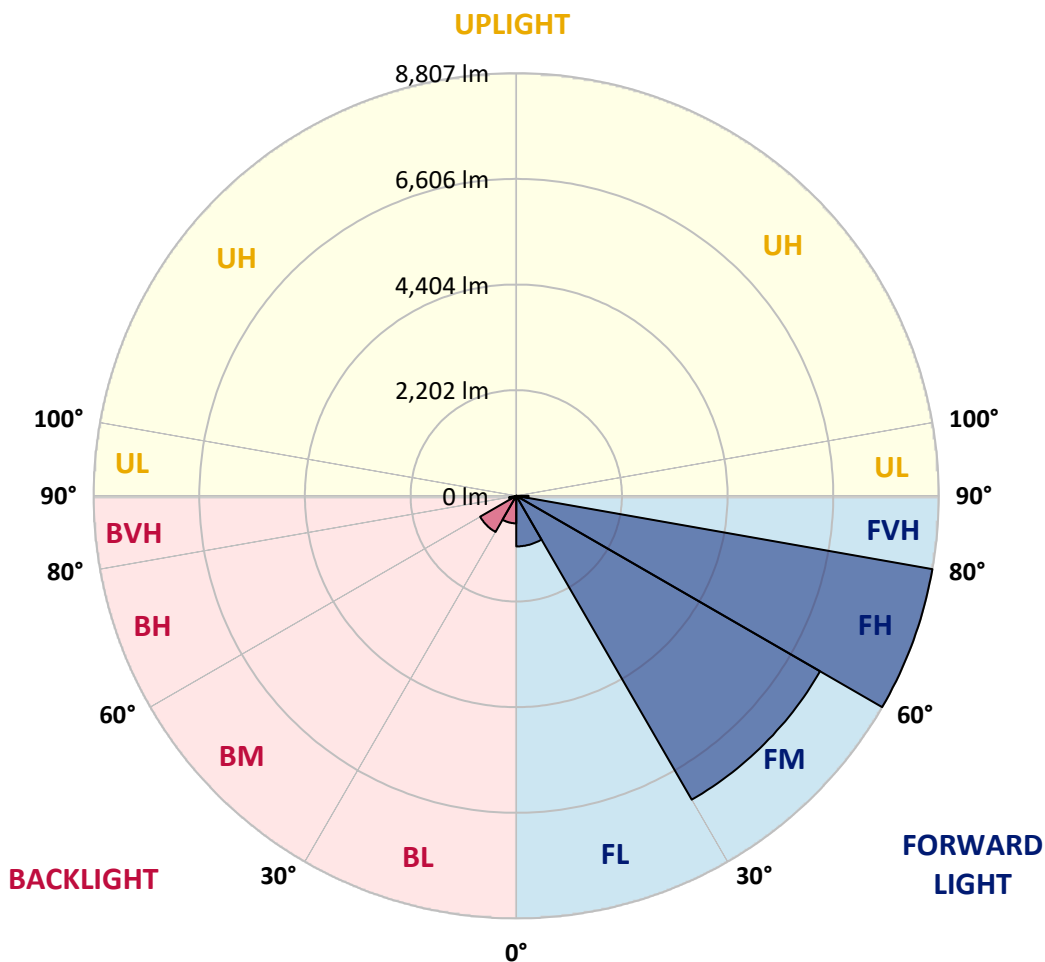


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1054.5	5.5			
FM (30°-60°)	7312.3	38.4			
FH (60°-80°)	8807.4	46.3			G4/12000
FVH (80°-90°)	256.8	1.3			G3/500
BL (0°-30°)	574.2	3.0	B2/1000		
BM (30°-60°)	869.3	4.6	B1/1000		
BH (60°-80°)	149.1	0.8	B1/500		G1/500
BVH (80°-90°)	1.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	3059.4	3059.4	3059.4	3059.4	3059.4	3059.4	3059.4	3059.4	3059.4	3059.4	3059.4
2.5°	2837.4	2866.6	2862.3	2872.5	2897.3	2907.6	2935.3	2966.0	3008.4	3037.6	3056.5
5°	2541.0	2562.9	2565.8	2616.9	2641.8	2669.6	2751.3	2840.4	2939.7	3018.5	3071.2
7.5°	2224.1	2235.8	2259.2	2326.4	2389.2	2416.9	2541.0	2695.8	2852.1	2999.6	3094.5
10°	1962.7	1975.8	2018.2	2089.7	2148.2	2184.7	2357.0	2551.2	2770.3	2989.3	3128.1
12.5°	1813.7	1821.1	1837.2	1901.4	1975.8	2015.3	2200.8	2422.8	2704.6	2993.7	3185.0
15°	1803.6	1800.6	1781.6	1807.9	1875.1	1916.0	2097.1	2335.1	2646.1	3008.4	3252.2
17.5°	1857.6	1850.3	1805.0	1805.0	1860.5	1894.1	2053.3	2288.4	2616.9	3042.0	3347.2
20°	1940.8	1929.2	1854.6	1848.8	1902.8	1937.9	2079.6	2291.3	2622.8	3104.8	3474.2
22.5°	2046.0	2032.8	1920.4	1923.3	1981.7	2016.8	2155.5	2343.8	2659.3	3182.1	3610.0
25°	2183.2	2168.6	2035.7	2029.9	2091.2	2121.9	2268.0	2437.3	2710.4	3278.5	3788.2
27.5°	2365.8	2335.1	2176.0	2167.2	2232.9	2272.3	2403.7	2562.9	2800.9	3411.4	4027.7
30°	2516.2	2482.6	2330.8	2307.3	2377.4	2408.1	2544.0	2732.4	2979.2	3643.6	4359.2
32.5°	2713.3	2663.7	2485.6	2424.2	2498.6	2538.1	2746.9	3047.7	3243.4	3888.9	4753.4
35°	3157.3	3126.6	2909.0	2694.4	2690.0	2739.6	3046.3	3366.1	3515.0	4271.6	5290.9
37.5°	3792.5	3770.6	3539.9	3252.2	3169.0	3145.6	3410.0	3716.6	3948.8	4797.3	5915.9
40°	4530.0	4478.9	4267.2	4023.3	3915.2	3846.6	3839.3	4238.0	4515.4	5511.4	6567.3
42.5°	5058.6	4965.2	4708.2	4690.6	4667.3	4595.7	4388.4	5000.2	5247.0	6279.5	7263.8
45°	5613.6	5471.9	5089.3	5023.6	5014.9	5010.5	5217.8	5902.7	6044.4	7111.9	7979.4
47.5°	6044.4	5931.9	5618.0	5588.8	5625.3	5724.6	6314.6	6860.7	6831.5	7853.8	8579.6
50°	6618.3	6533.7	6184.6	6240.1	6428.5	6590.6	7551.5	7904.9	7478.5	8437.9	9016.2
52.5°	7295.9	7139.7	6815.5	6965.9	7255.0	7525.2	8864.3	8819.1	7932.7	8877.5	9341.9
55°	7883.0	7772.0	7661.0	7817.3	8249.5	8586.9	10050.2	9504.0	8262.7	9230.9	9485.0
57.5°	8876.0	8849.8	8735.9	8895.0	9419.3	9769.8	11111.9	10035.6	8474.4	9414.9	9317.1
60°	10345.2	10302.8	10091.1	10294.0	10977.5	11528.0	12090.3	10513.1	8522.6	9343.4	8833.7
62.5°	12112.2	11967.6	11786.5	12085.9	13023.5	13265.9	13011.7	10796.4	8343.0	8773.8	7668.3
65°	13762.4	13613.5	13617.8	14248.7	15269.4	15434.5	14086.6	10754.0	7817.3	7347.0	5655.9
67.5°	15025.6	15000.8	15178.9	16410.0	17744.8	17630.9	15047.5	10120.3	6259.1	4762.2	3005.4
70°	15089.8	15138.1	15649.2	17727.3	19082.5	18901.4	14965.7	8226.2	3902.1	2190.5	1184.4
71°	14312.9	14637.2	15344.0	17686.4	19161.3	18926.2	14276.4	6889.9	2862.3	1527.6	854.3
72.5°	12196.9	12367.7	13895.3	16645.2	18537.8	18035.4	12528.4	4829.4	1832.8	934.6	490.7
75°	6717.7	7138.2	9305.4	13058.5	14827.0	14386.0	8164.8	2294.2	914.2	511.1	203.0
77.5°	3198.2	3116.4	4540.2	7766.2	10053.1	10029.8	4113.8	1019.3	533.1	346.1	102.3
80°	914.2	1028.1	1737.8	3691.8	5581.5	5642.8	1580.1	492.1	369.5	270.1	52.5
82.5°	276.0	281.9	638.1	1632.7	2776.1	2616.9	592.9	251.2	265.8	214.7	30.7
85°	48.2	59.9	188.4	575.3	1058.8	803.2	148.9	119.7	175.2	141.6	17.5
87.5°	2.9	4.4	62.8	65.7	93.5	54.0	26.3	17.5	38.0	38.0	10.3
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°	3059.4	3059.4	3059.4	3059.4	3059.4	3059.4	3059.4	3059.4	3059.4	3059.4	3059.4
2.5°	3069.7	3078.4	3072.6	3059.4	3037.6	3011.3	2976.2	2947.0	2922.2	2909.0	2925.1
5°	3088.6	3100.4	3071.2	3005.4	2906.1	2798.1	2675.4	2580.5	2506.0	2482.6	2473.8
7.5°	3117.8	3125.2	3046.3	2900.2	2690.0	2434.4	2211.0	2022.6	1876.5	1832.8	1768.5
10°	3155.8	3151.4	3002.5	2730.9	2361.4	1977.3	1631.2	1374.2	1180.0	1109.9	1104.0
12.5°	3214.2	3190.9	2947.0	2500.1	1970.0	1467.7	1039.7	813.4	690.8	649.9	641.1
15°	3287.3	3231.8	2859.4	2230.0	1508.5	947.7	641.1	572.5	556.4	553.5	550.5
17.5°	3373.4	3285.8	2744.0	1898.5	1060.2	614.8	536.0	534.5	536.0	533.1	531.6
20°	3490.2	3342.8	2606.8	1505.6	700.9	518.4	511.1	511.1	512.6	511.1	511.1
22.5°	3614.4	3410.0	2437.3	1149.3	528.7	492.1	490.7	493.6	496.5	495.1	495.1
25°	3767.7	3497.6	2213.9	787.1	473.2	470.3	471.7	477.6	483.3	484.8	483.3
27.5°	3989.7	3605.6	1974.4	541.8	433.7	436.7	451.2	465.9	474.7	476.1	476.1
30°	4239.4	3725.4	1661.9	439.6	401.6	401.6	419.1	446.9	465.9	468.8	470.3
32.5°	4560.7	3864.1	1315.8	395.7	370.9	368.0	384.1	417.7	452.7	462.9	462.9
35°	4957.9	4027.7	978.4	368.0	349.1	341.7	350.5	378.3	423.5	452.7	455.6
37.5°	5423.8	4182.5	715.6	343.2	328.5	318.4	324.2	346.1	382.7	426.4	438.1
40°	5854.6	4319.7	534.5	322.8	308.1	300.8	305.2	315.5	346.1	387.0	394.3
42.5°	6324.8	4426.3	424.9	300.8	287.7	284.8	284.8	289.2	309.6	332.9	334.4
45°	6793.5	4464.3	356.3	274.5	265.8	268.7	267.2	264.3	273.1	270.1	270.1
47.5°	7128.0	4419.0	295.0	249.7	249.7	254.1	246.8	236.5	232.2	214.7	216.1
50°	7357.3	4254.0	242.4	220.5	232.2	238.0	223.5	207.3	191.3	172.3	168.0
52.5°	7452.2	3960.5	198.6	182.5	205.9	213.2	195.7	176.7	151.9	135.9	131.5
55°	7390.9	3598.4	165.1	148.9	173.7	182.5	165.1	143.1	115.3	97.9	94.9
57.5°	7120.7	3166.1	140.2	118.3	138.7	144.5	132.9	109.5	81.7	64.3	64.3
60°	6653.4	2719.2	113.9	93.5	103.7	112.4	100.8	78.8	55.5	39.5	36.5
62.5°	5705.6	2208.1	92.0	73.1	73.1	80.3	70.1	56.9	35.1	20.4	18.9
65°	4119.7	1514.4	73.1	54.0	52.5	52.5	43.8	38.0	20.4	8.8	5.9
67.5°	2238.8	854.3	58.4	40.9	36.5	35.1	27.7	21.9	8.8	1.5	0.0
70°	880.6	328.5	45.3	27.7	23.3	21.9	14.6	10.3	5.9	0.0	0.0
71°	597.3	226.4	39.5	23.3	18.9	16.1	11.7	8.8	4.4	0.0	0.0
72.5°	341.7	140.2	30.7	17.5	14.6	11.7	8.8	5.9	4.4	0.0	0.0
75°	148.9	71.6	18.9	13.2	10.3	7.3	5.9	4.4	1.5	0.0	0.0
77.5°	76.0	39.5	13.2	10.3	5.9	4.4	2.9	1.5	0.0	0.0	0.0
80°	42.4	20.4	8.8	5.9	4.4	2.9	1.5	1.5	0.0	0.0	0.0
82.5°	23.3	11.7	4.4	2.9	1.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	14.6	7.3	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.3	2.9	0.0	0.0	0.0	0.0	1.5	1.5	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)