

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: P532843

Luminaire Tested: **GLAN-SA8B-727-U-T2R-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532843  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA8B-727-U-T2R-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
ROADWAY OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25414 lumens  
Efficiency: N/A  
Efficacy: 78.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B3 - U0 - G1

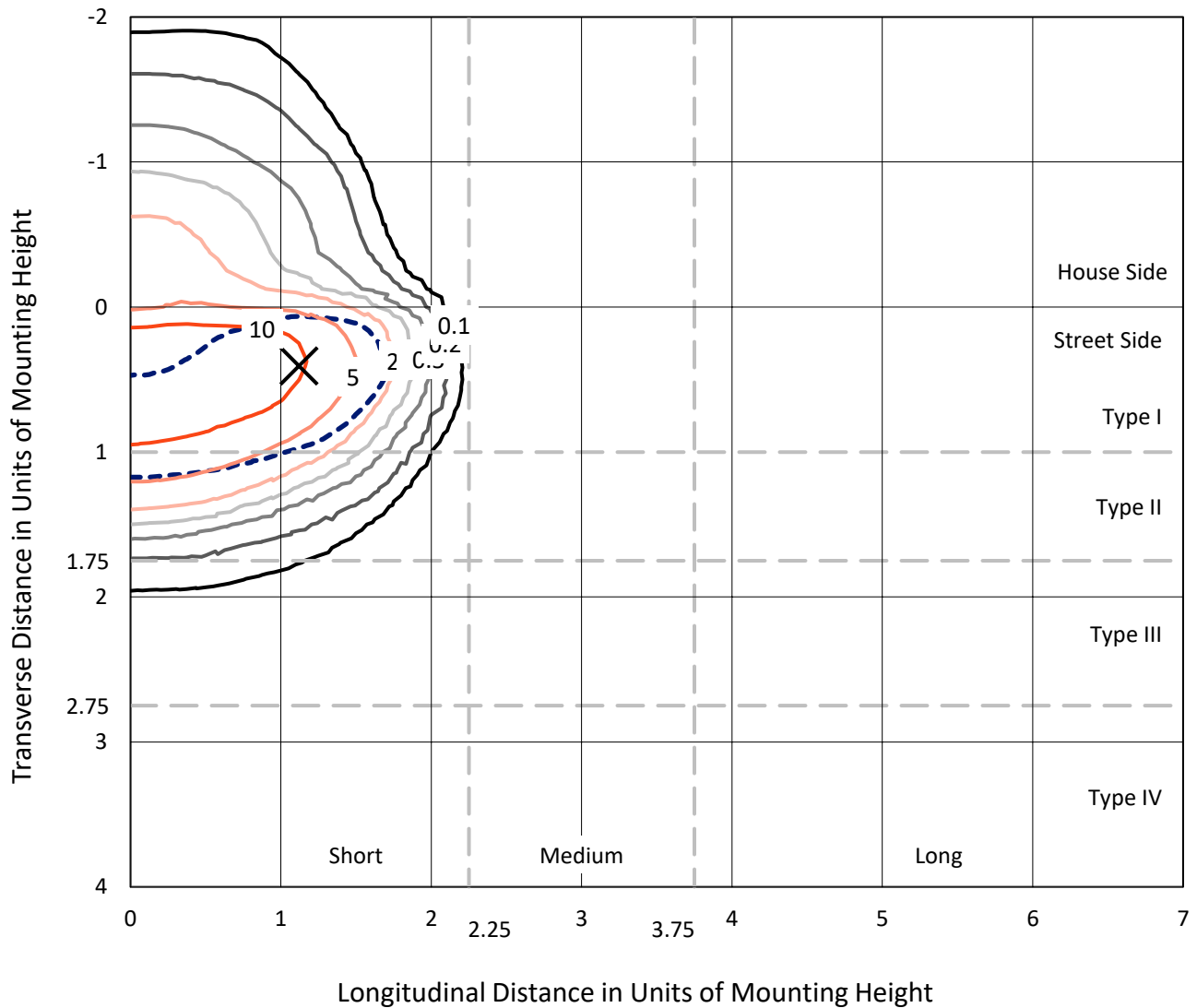
Input Watts (W): 325  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

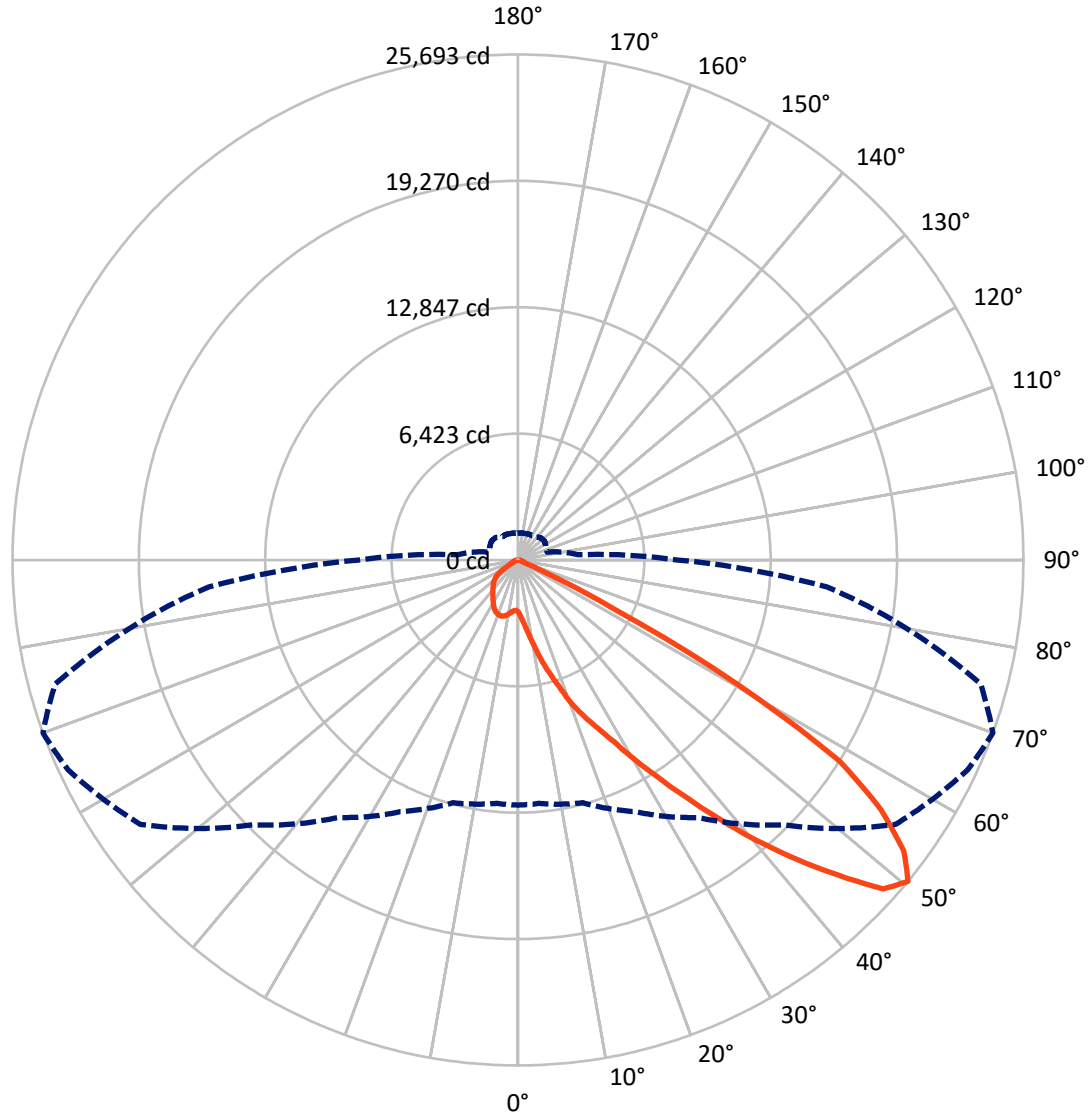
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.1 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 50-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3549.2	0.0	3549.2
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	21864.8	0.0	21864.8
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	25414.0	0.0	25414.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	342.3	1.3
10°-20°	1480.7	5.8
20°-30°	3106.3	12.2
30°-40°	5354.1	21.1
40°-50°	7825.0	30.8
50°-60°	6094.4	24.0
60°-70°	1032.6	4.1
70°-80°	141.9	0.6
80°-90°	36.8	0.1
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°	25414.0	100.0
0°-180°	25414.0	100.0

**Coefficient of Utilization**



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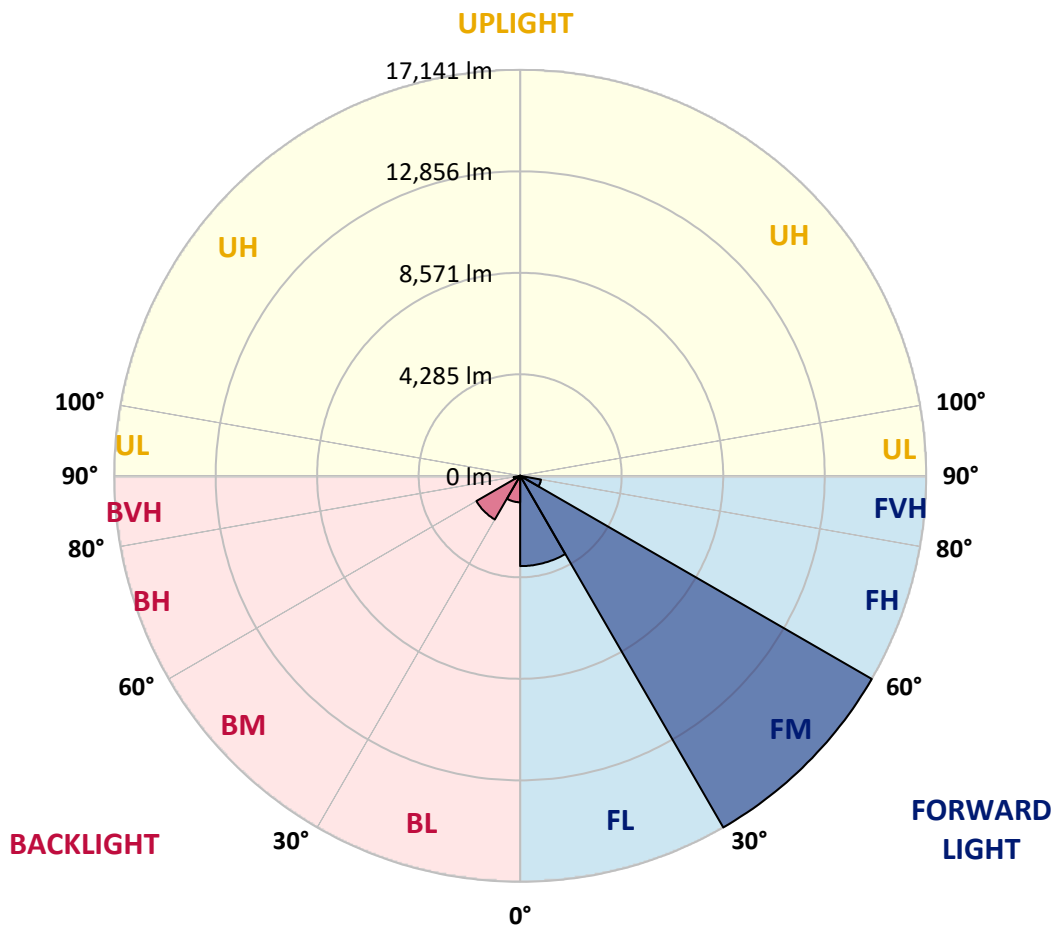
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3812.4	15.0			
FM (30°-60°)	17141.3	67.4			
FH (60°-80°)	894.1	3.5			G1/1800
FVH (80°-90°)	17.0	0.1			G1/100
BL (0°-30°)	1116.9	4.4	B3/2500		
BM (30°-60°)	2132.3	8.4	B2/2500		
BH (60°-80°)	280.4	1.1	B1/500		G1/500
BVH (80°-90°)	19.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2632.4	2632.4	2632.4	2632.4	2632.4	2632.4	2632.4	2632.4	2632.4	2632.4	2632.4
2.5°	3447.2	3422.1	3367.8	3267.5	3225.7	3125.4	3066.9	2954.1	2883.1	2803.7	2716.0
5°	4855.3	4725.8	4646.4	4533.6	4203.5	3998.7	3660.3	3372.0	3238.3	3092.0	2891.5
7.5°	6309.4	6225.8	6117.2	5874.8	5649.2	5223.0	4642.2	4007.1	3735.5	3484.8	3087.8
10°	7512.8	7278.8	7266.2	7086.6	6840.0	6330.3	5632.5	4842.8	4358.1	3990.4	3367.8
12.5°	8352.6	8139.5	8235.6	8214.7	7984.9	7516.9	6710.5	5665.9	5160.3	4587.9	3656.1
15°	9117.3	9029.5	9000.3	8975.2	8883.3	8536.5	7813.6	6668.7	5937.5	5248.1	3982.0
17.5°	9865.2	9639.6	9748.2	9769.1	9760.7	9447.4	8770.5	7621.4	6760.6	5945.9	4324.6
20°	10529.6	10550.5	10404.2	10375.0	10349.9	10337.4	9677.2	8565.7	7771.8	6677.1	4771.7
22.5°	11382.0	11235.7	11365.2	11281.7	11118.7	11018.4	10512.8	9401.4	8649.3	7558.7	5227.2
25°	12388.9	12505.9	12200.9	12167.5	11987.8	11641.0	11185.6	10337.4	9493.3	8377.7	5720.2
27.5°	13629.9	13425.2	13345.8	13161.9	12836.0	12689.8	12155.0	11302.6	10512.8	9238.4	6196.6
30°	14695.4	14641.1	14244.2	14026.9	13742.7	13738.6	12990.6	12610.4	11841.6	10588.1	6852.6
32.5°	15564.5	15326.4	15180.1	15029.7	14799.9	14862.6	14231.6	14031.1	13258.1	11841.6	7625.6
35°	16145.3	15974.0	15886.3	15656.5	15589.6	15869.6	15606.3	15522.7	14887.6	13604.9	8532.3
37.5°	16329.2	16383.5	16366.8	16078.5	16220.5	16976.8	17315.3	17098.0	16763.7	15464.2	9514.2
40°	16492.1	16529.7	16446.2	16784.6	17189.9	18050.7	19274.9	18915.6	18790.3	17348.7	10880.5
42.5°	16584.1	16554.8	16554.8	17139.8	17754.0	19483.9	21167.8	20929.6	20833.5	19354.3	12460.0
45°	16187.1	15903.0	16208.0	17001.9	18238.7	20190.0	22680.3	23010.4	22872.5	21740.2	14306.8
47.5°	14703.8	14879.3	15050.6	16111.9	17649.5	19972.7	23607.9	24731.9	24986.8	23745.8	15518.6
50°	12460.0	12422.4	12777.5	14114.6	15982.4	19036.8	23428.3	25229.2	25693.0	24347.5	15773.4
52.5°	9062.9	9338.7	9723.1	11051.9	13266.4	16613.3	21109.3	23946.4	24564.8	23607.9	15606.3
55°	5277.3	4972.3	5837.2	6961.2	9050.4	12531.0	17845.9	21226.3	22371.1	22262.5	14762.3
57.5°	2114.3	2047.4	2344.1	3158.9	4721.6	7767.6	12978.1	17440.6	19274.9	20390.6	12973.9
60°	927.6	906.7	1065.5	1286.9	1930.4	3580.9	7099.1	10847.1	12760.8	14248.3	8929.2
62.5°	668.5	660.2	739.6	819.0	1019.5	1558.5	2983.4	4370.6	5448.6	6581.0	3998.7
65°	539.0	559.9	614.2	656.0	752.1	864.9	1053.0	1215.9	1491.7	1546.0	881.6
67.5°	438.7	455.4	505.6	551.5	568.3	468.0	484.7	426.2	426.2	380.2	305.0
70°	321.7	325.9	384.4	438.7	351.0	188.0	330.1	330.1	296.7	284.1	259.1
72.5°	238.2	242.3	288.3	271.6	137.9	117.0	242.3	267.4	242.3	229.8	208.9
75°	175.5	179.7	150.4	62.7	58.5	75.2	142.1	183.8	175.5	171.3	158.8
77.5°	33.4	25.1	20.9	29.2	41.8	62.7	91.9	112.8	117.0	125.4	117.0
80°	4.2	4.2	12.5	25.1	46.0	66.9	96.1	108.6	112.8	117.0	108.6
82.5°	0.0	4.2	12.5	25.1	46.0	62.7	83.6	96.1	104.5	108.6	104.5
85°	0.0	4.2	8.4	20.9	37.6	46.0	41.8	29.2	25.1	29.2	20.9
87.5°	0.0	0.0	4.2	4.2	8.4	8.4	8.4	8.4	8.4	8.4	8.4
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°	2632.4	2632.4	2632.4	2632.4	2632.4	2632.4	2632.4	2632.4	2632.4	2632.4	2632.4
2.5°	2665.8	2649.1	2590.6	2527.9	2473.6	2498.7	2473.6	2452.7	2461.1	2452.7	2444.4
5°	2812.1	2736.8	2611.5	2557.2	2511.2	2507.0	2494.5	2490.3	2494.5	2494.5	2456.9
7.5°	2949.9	2828.8	2695.1	2636.6	2582.2	2586.4	2557.2	2557.2	2553.0	2532.1	2523.8
10°	3158.9	2995.9	2824.6	2720.1	2653.3	2640.7	2611.5	2582.2	2582.2	2582.2	2540.5
12.5°	3388.7	3183.9	2949.9	2828.8	2749.4	2686.7	2640.7	2632.4	2586.4	2578.1	2557.2
15°	3589.2	3330.2	3033.5	2866.4	2766.1	2682.5	2611.5	2565.5	2544.6	2532.1	2515.4
17.5°	3785.6	3455.5	3079.5	2866.4	2757.7	2661.6	2586.4	2544.6	2494.5	2502.9	2469.4
20°	4048.9	3589.2	3092.0	2812.1	2678.4	2586.4	2486.1	2465.3	2436.0	2410.9	2419.3
22.5°	4303.7	3685.3	3054.4	2745.2	2553.0	2444.4	2394.2	2369.2	2356.6	2335.7	2306.5
25°	4533.6	3789.8	2995.9	2624.0	2419.3	2339.9	2293.9	2289.8	2260.5	2260.5	2206.2
27.5°	4767.6	3827.4	2895.6	2482.0	2302.3	2256.3	2235.4	2227.1	2214.6	2185.3	2147.7
30°	5035.0	3839.9	2749.4	2335.7	2197.8	2147.7	2176.9	2197.8	2143.5	2089.2	2105.9
32.5°	5256.4	3810.7	2573.9	2197.8	2122.6	2097.6	2156.1	2176.9	2114.3	2055.8	2026.5
35°	5523.8	3739.7	2402.6	2089.2	2047.4	2097.6	2147.7	2147.7	2022.3	1951.3	1934.6
37.5°	5929.1	3660.3	2243.8	1997.3	1968.0	2072.5	2139.3	2093.4	1897.0	1809.2	1788.4
40°	6363.7	3610.1	2089.2	1905.3	1926.2	2030.7	2068.3	1926.2	1725.7	1671.4	1654.6
42.5°	6994.6	3509.9	1951.3	1826.0	1888.6	1972.2	1972.2	1717.3	1642.1	1612.9	1608.7
45°	7780.2	3438.8	1830.1	1759.1	1834.3	1855.2	1788.4	1608.7	1554.4	1546.0	1550.2
47.5°	8164.6	3300.9	1704.8	1679.7	1734.0	1738.2	1562.7	1520.9	1475.0	1462.4	1454.1
50°	8106.1	3054.4	1541.8	1575.3	1650.5	1608.7	1424.8	1433.2	1391.4	1387.2	1366.3
52.5°	7696.6	2665.8	1378.9	1458.3	1541.8	1420.7	1312.0	1303.7	1303.7	1249.3	1228.4
55°	6823.3	2147.7	1182.5	1282.8	1383.0	1195.0	1165.8	1157.4	1136.5	1086.4	1073.8
57.5°	5402.7	1575.3	890.0	998.6	1174.1	1015.4	1011.2	973.6	919.2	881.6	881.6
60°	3213.2	906.7	559.9	610.0	777.2	823.1	915.1	898.4	806.4	747.9	731.2
62.5°	1466.6	468.0	355.2	363.5	417.8	534.8	718.7	831.5	702.0	601.7	593.3
65°	493.1	346.8	292.5	280.0	288.3	321.7	430.4	589.2	559.9	463.8	447.1
67.5°	300.8	309.2	275.8	254.9	254.9	250.7	246.5	267.4	330.1	321.7	325.9
70°	259.1	284.1	254.9	229.8	221.5	208.9	175.5	146.2	125.4	146.2	154.6
72.5°	208.9	225.6	217.3	196.4	175.5	158.8	125.4	96.1	71.0	62.7	62.7
75°	154.6	167.1	175.5	150.4	133.7	112.8	91.9	62.7	37.6	25.1	25.1
77.5°	112.8	125.4	129.5	117.0	100.3	79.4	58.5	41.8	20.9	8.4	8.4
80°	96.1	112.8	125.4	117.0	104.5	75.2	54.3	29.2	16.7	4.2	4.2
82.5°	91.9	112.8	125.4	112.8	100.3	71.0	54.3	33.4	12.5	4.2	4.2
85°	20.9	29.2	37.6	46.0	54.3	54.3	41.8	25.1	12.5	4.2	4.2
87.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	4.2	4.2	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)