

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: P650240

Luminaire Tested: **GLAN-SA2B-835-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650240
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2B-835-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7594.3 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

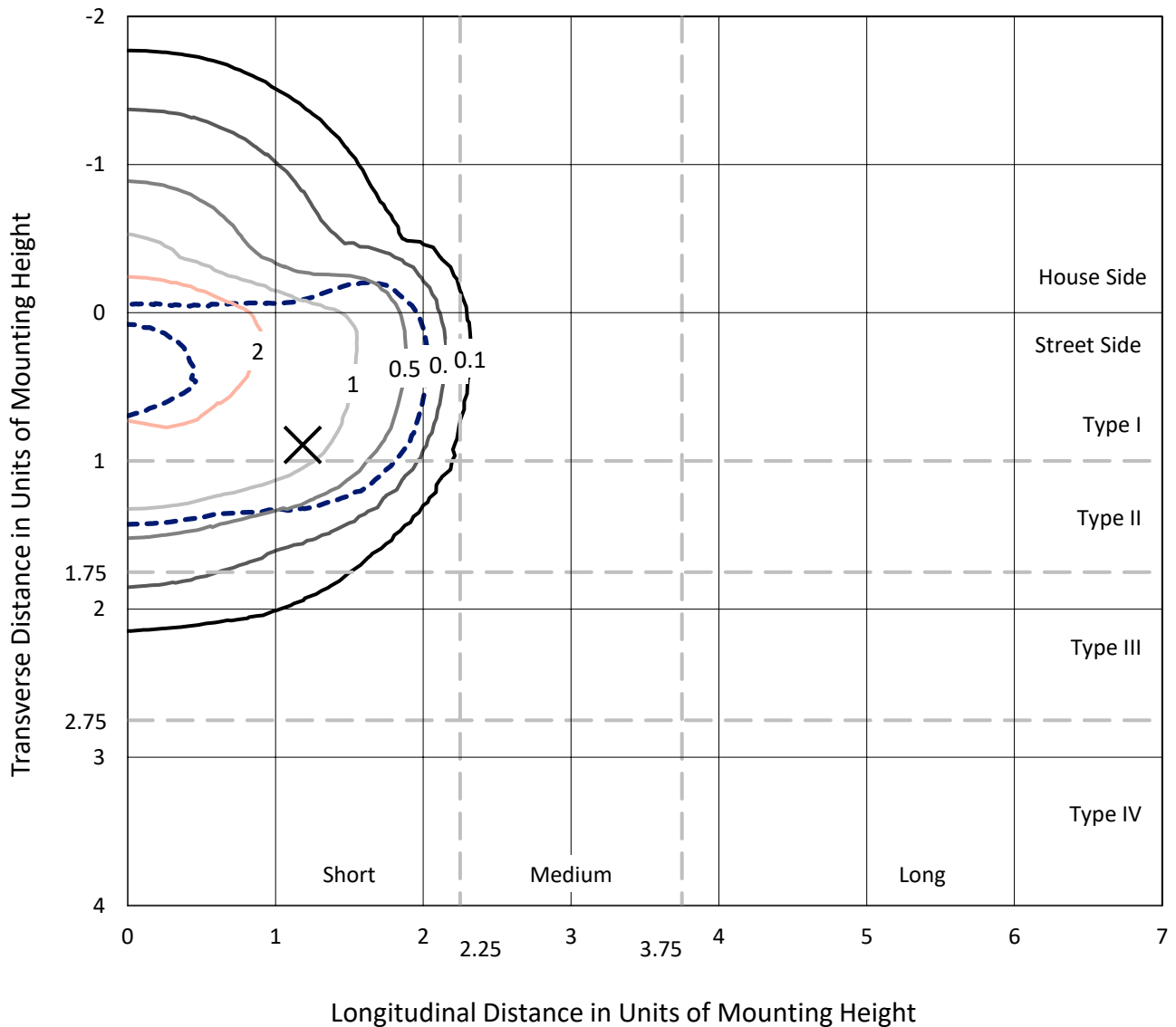
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

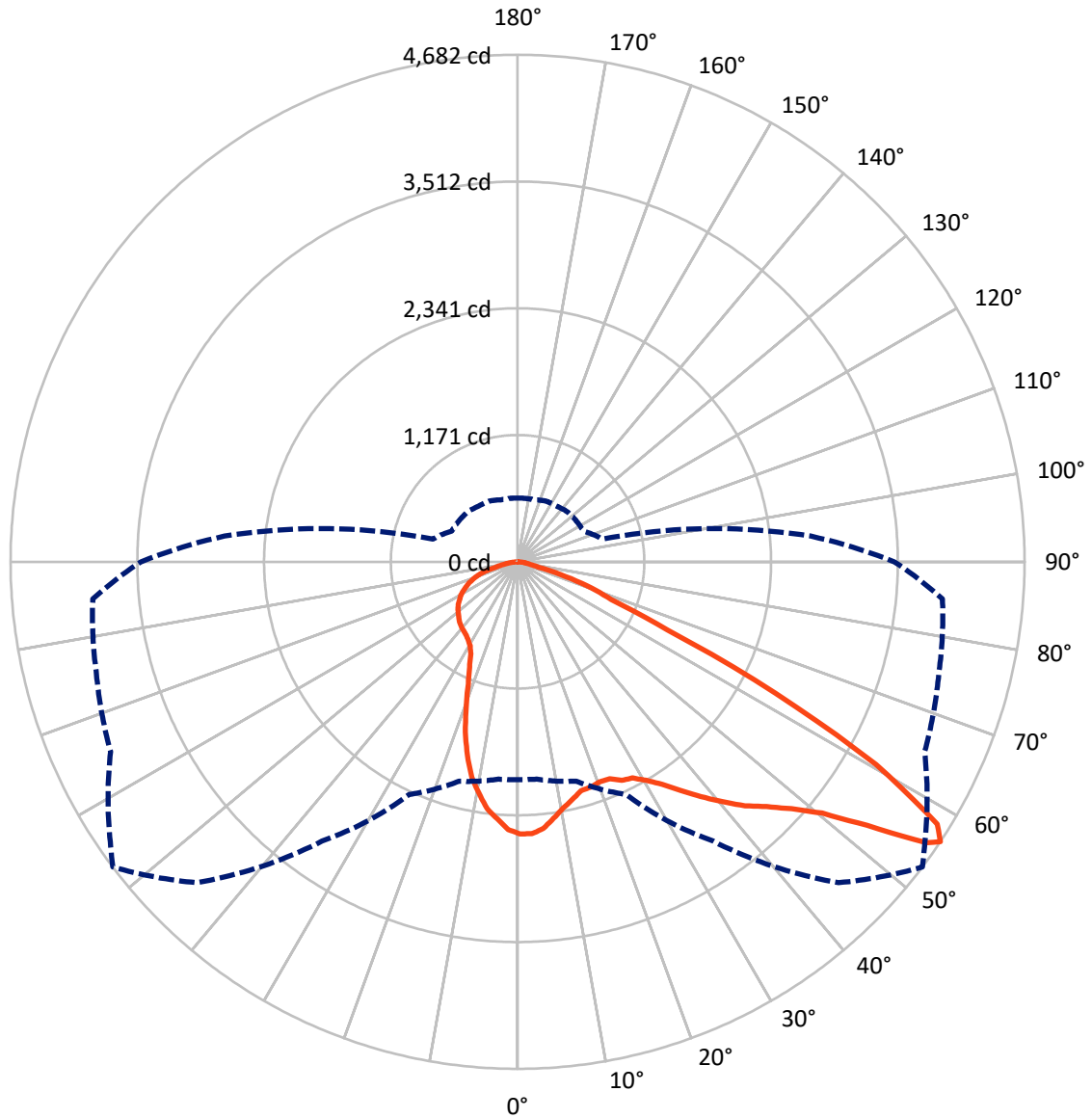
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2216.2	0.0	2216.2
	% Fixture	29.2	0.0	29.2
Street Side	Lumens	5378.1	0.0	5378.1
	% Fixture	70.8	0.0	70.8
Total	Lumens	7594.3	0.0	7594.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.4	2.9
10°-20°	555.5	7.3
20°-30°	819.2	10.8
30°-40°	1170.4	15.4
40°-50°	1611.0	21.2
50°-60°	1903.7	25.1
60°-70°	1014.6	13.4
70°-80°	257.4	3.4
80°-90°	40.1	0.5
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°	7594.3	100.0
0°-180°	7594.3	100.0

Coefficient of Utilization



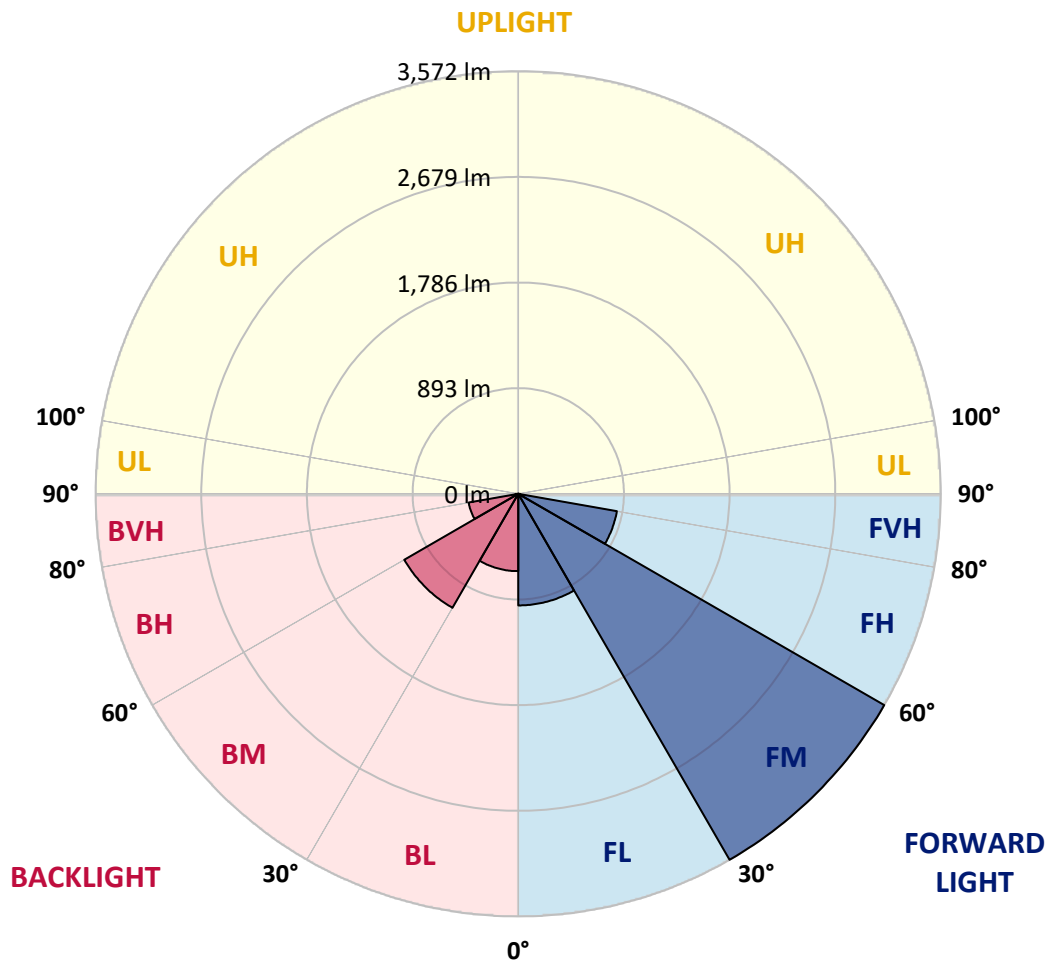
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	943.5	12.4			
FM (30°-60°)	3572.2	47.0			
FH (60°-80°)	846.3	11.1			G1/1800
FVH (80°-90°)	16.1	0.2			G1/100
BL (0°-30°)	653.6	8.6	B2/1000		
BM (30°-60°)	1112.9	14.7	B2/2500		
BH (60°-80°)	425.7	5.6	B1/500		G1/500
BVH (80°-90°)	24.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5
2.5°	2481.3	2459.9	2472.6	2467.7	2507.6	2519.3	2513.5	2518.4	2540.8	2530.0	2507.6
5°	2318.6	2348.8	2354.6	2369.3	2392.7	2438.5	2474.5	2484.2	2495.0	2544.7	2539.7
7.5°	2170.6	2191.0	2180.3	2223.2	2273.8	2347.8	2391.7	2399.5	2497.8	2525.2	2545.6
10°	2077.1	2056.5	2105.3	2117.0	2174.5	2259.2	2311.8	2344.0	2433.6	2541.7	2554.4
12.5°	1990.3	1983.5	2012.7	2045.8	2110.2	2197.8	2251.4	2264.0	2402.4	2516.4	2575.8
15°	1926.0	1918.2	1947.5	1971.8	2046.8	2124.7	2192.9	2229.0	2368.3	2501.8	2557.3
17.5°	1875.4	1874.4	1890.9	1934.8	2011.8	2077.1	2187.1	2189.0	2350.8	2524.2	2572.9
20°	1872.5	1871.4	1874.4	1923.1	1993.2	2073.1	2168.6	2186.1	2350.8	2508.6	2573.9
22.5°	1896.8	1881.2	1898.8	1929.9	1980.6	2080.0	2175.4	2214.4	2407.3	2585.5	2617.7
25°	1935.7	1939.6	1949.4	1960.1	1989.4	2095.5	2235.9	2268.0	2473.5	2651.8	2678.1
27.5°	2006.9	2004.9	2008.9	2014.7	2040.0	2110.2	2260.2	2343.0	2611.9	2769.7	2743.4
30°	2111.1	2104.3	2119.9	2140.3	2117.0	2156.9	2341.0	2403.4	2740.5	2888.6	2816.5
32.5°	2205.6	2230.9	2260.2	2269.0	2240.7	2248.5	2448.2	2511.6	2847.6	3034.7	2906.1
35°	2323.5	2344.0	2382.9	2410.2	2405.3	2382.0	2594.3	2678.1	3002.5	3141.9	3000.6
37.5°	2438.5	2462.8	2527.1	2607.9	2563.2	2552.4	2750.2	2819.3	3050.3	3199.3	3069.8
40°	2623.6	2622.6	2733.6	2775.5	2815.5	2797.0	2911.9	2935.3	3075.6	3186.7	3071.7
42.5°	2840.8	2827.2	2940.2	3005.5	3057.1	3059.0	3080.5	3072.6	3087.3	3122.4	3051.3
45°	3047.4	3076.6	3190.6	3307.5	3359.1	3364.9	3222.7	3208.1	3107.7	3103.8	3012.3
47.5°	3299.6	3306.5	3400.0	3554.0	3673.8	3632.9	3406.8	3374.7	3197.4	3227.6	3077.6
50°	3314.3	3364.9	3448.7	3629.9	3998.2	3987.4	3645.5	3585.1	3341.5	3402.9	3259.7
52.5°	3008.4	2996.7	3096.1	3392.2	3973.8	4340.1	4041.1	3896.8	3651.4	3604.6	3554.9
55°	2292.3	2319.6	2407.3	2706.4	3450.7	4345.0	4579.8	4461.9	3982.6	3902.7	3845.2
56°	2010.7	2014.7	2097.5	2370.3	3148.7	4190.1	4682.1	4586.6	4147.2	4025.5	3937.8
57.5°	1666.9	1644.5	1687.4	1836.4	2657.7	3862.8	4570.1	4663.5	4340.1	4158.0	4036.2
60°	1312.2	1307.4	1289.8	1317.2	1679.5	2909.9	3804.3	4014.8	4320.7	4033.2	3865.7
62.5°	1071.6	1047.3	1082.3	1121.3	1167.1	1805.2	2673.2	2797.0	3430.2	3219.8	2904.1
65°	831.0	819.3	863.2	989.8	1017.1	1146.6	1522.7	1618.1	2025.4	1989.4	1751.6
67.5°	571.8	573.8	611.8	804.7	943.0	931.4	932.3	982.0	1057.0	785.2	683.9
70°	362.4	361.4	381.9	518.3	758.9	766.7	727.7	713.2	676.1	409.2	433.5
72.5°	232.9	226.1	236.7	286.4	392.6	454.0	467.6	476.4	391.7	321.5	348.7
75°	131.5	124.7	120.8	133.5	154.9	179.2	196.8	202.6	227.0	243.6	258.2
77.5°	39.9	36.0	43.8	58.5	77.0	103.3	125.7	129.6	152.9	172.4	187.1
80°	17.5	19.5	27.2	39.0	54.6	73.1	88.6	94.5	110.1	124.7	128.6
82.5°	10.7	11.7	18.5	26.3	38.0	51.6	63.3	65.3	80.9	92.6	95.4
85°	3.9	4.9	9.7	15.6	24.4	33.1	33.1	36.0	33.1	33.1	36.0
87.5°	0.0	0.0	0.9	2.0	2.0	2.9	3.9	3.9	4.9	5.9	6.8
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°	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5	2512.5
2.5°	2519.3	2514.4	2506.6	2478.4	2475.5	2466.7	2418.0	2410.2	2418.0	2394.6	2396.6
5°	2514.4	2529.1	2470.6	2442.3	2389.7	2351.7	2307.9	2285.5	2245.6	2220.2	2248.5
7.5°	2535.9	2530.0	2457.0	2395.6	2316.7	2220.2	2143.3	2099.5	2029.3	2009.8	2024.4
10°	2528.1	2496.9	2411.2	2330.3	2181.3	2096.5	1971.8	1851.0	1784.8	1750.6	1745.8
12.5°	2517.3	2508.6	2365.4	2226.1	2069.2	1890.9	1715.6	1601.6	1493.5	1446.7	1453.6
15°	2530.0	2456.0	2279.6	2103.3	1894.9	1661.1	1472.0	1324.9	1249.9	1219.7	1219.7
17.5°	2524.2	2430.7	2238.8	1966.0	1701.9	1425.3	1217.8	1129.1	1097.9	1097.9	1106.7
20°	2527.1	2447.2	2155.9	1828.6	1474.0	1200.3	1049.2	1017.1	1030.7	1035.6	1040.5
22.5°	2543.7	2392.7	2075.1	1677.6	1262.6	1026.8	952.8	953.8	978.1	1004.4	999.6
25°	2564.2	2371.2	1976.7	1527.6	1100.9	942.0	918.7	915.8	934.3	947.9	949.9
27.5°	2546.6	2334.2	1876.3	1340.5	968.3	885.6	880.7	882.7	888.5	915.8	907.0
30°	2604.1	2344.9	1750.6	1183.7	895.3	867.0	861.2	858.2	867.0	874.8	868.0
32.5°	2675.2	2307.0	1657.1	1032.7	859.3	853.4	841.7	837.8	842.7	834.9	838.8
35°	2706.4	2300.1	1535.4	924.6	831.0	826.1	819.3	818.3	819.3	812.5	806.6
37.5°	2723.9	2332.2	1396.0	874.8	813.5	818.3	802.7	800.8	783.2	787.1	790.1
40°	2754.1	2282.6	1283.0	827.1	802.7	793.0	779.4	776.4	764.8	757.9	764.8
42.5°	2710.3	2268.0	1172.0	806.6	787.1	776.4	766.7	750.1	746.3	740.4	736.5
45°	2675.2	2184.2	1072.6	781.4	768.7	762.8	744.3	726.8	712.1	718.0	709.2
47.5°	2701.5	2155.0	974.2	759.9	743.3	736.5	718.0	704.4	689.7	682.9	681.0
50°	2806.7	2209.5	891.4	744.3	721.9	718.0	693.7	678.1	664.4	659.5	661.5
52.5°	3058.1	2358.6	834.9	712.1	701.4	683.9	670.2	650.8	642.0	626.4	636.2
55°	3376.6	2601.1	820.3	681.9	676.1	660.5	642.0	627.4	610.8	598.1	595.2
56°	3478.9	2717.1	808.6	670.2	660.5	651.8	627.4	618.6	592.3	589.4	587.5
57.5°	3561.7	2819.3	810.6	647.9	638.1	630.3	615.7	594.3	576.8	566.0	570.9
60°	3374.7	2639.2	773.5	613.8	611.8	597.2	576.8	567.0	545.6	532.9	529.9
62.5°	2508.6	1791.6	627.4	569.9	568.9	553.3	529.9	519.3	515.4	497.8	497.8
65°	1444.8	1123.3	542.6	533.8	526.1	510.5	487.1	478.3	468.6	462.8	457.9
67.5°	616.7	582.6	493.0	492.0	483.2	463.7	440.4	426.7	414.1	402.4	408.2
70°	447.2	454.0	445.2	440.4	429.6	405.3	384.8	368.2	348.7	341.0	346.8
72.5°	354.6	369.3	381.9	382.9	370.2	341.9	319.5	297.1	275.7	265.0	269.8
75°	268.9	278.6	291.3	294.3	275.7	256.2	234.8	211.4	194.8	182.2	184.2
77.5°	193.9	191.9	203.6	201.7	192.9	179.2	159.8	138.4	119.8	108.1	109.2
80°	132.5	135.4	142.3	141.3	130.5	121.8	107.2	89.7	76.0	66.2	64.3
82.5°	92.6	97.4	103.3	98.4	89.7	80.9	70.2	57.5	46.7	39.0	37.0
85°	33.1	38.0	43.8	46.7	49.7	47.8	39.9	32.2	23.4	19.5	18.5
87.5°	6.8	7.8	8.8	8.8	8.8	7.8	6.8	6.8	5.9	2.9	2.9
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)