

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: P650322

Luminaire Tested: **GLAN-SA3B-835-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P650322
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3B-835-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11340.2 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

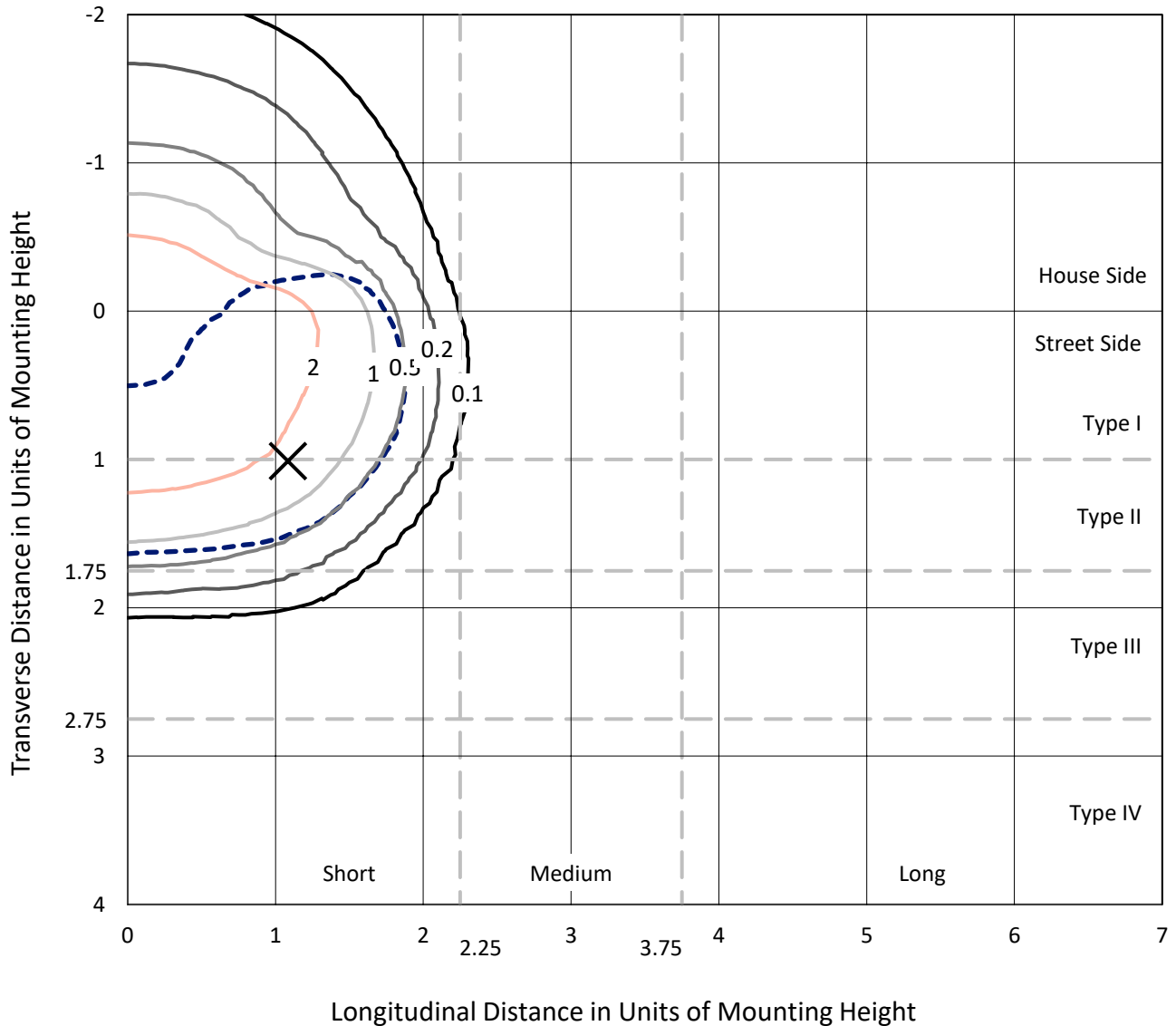
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P650322
 CATALOG NUMBER: GLAN-SA3B-835-U-T3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

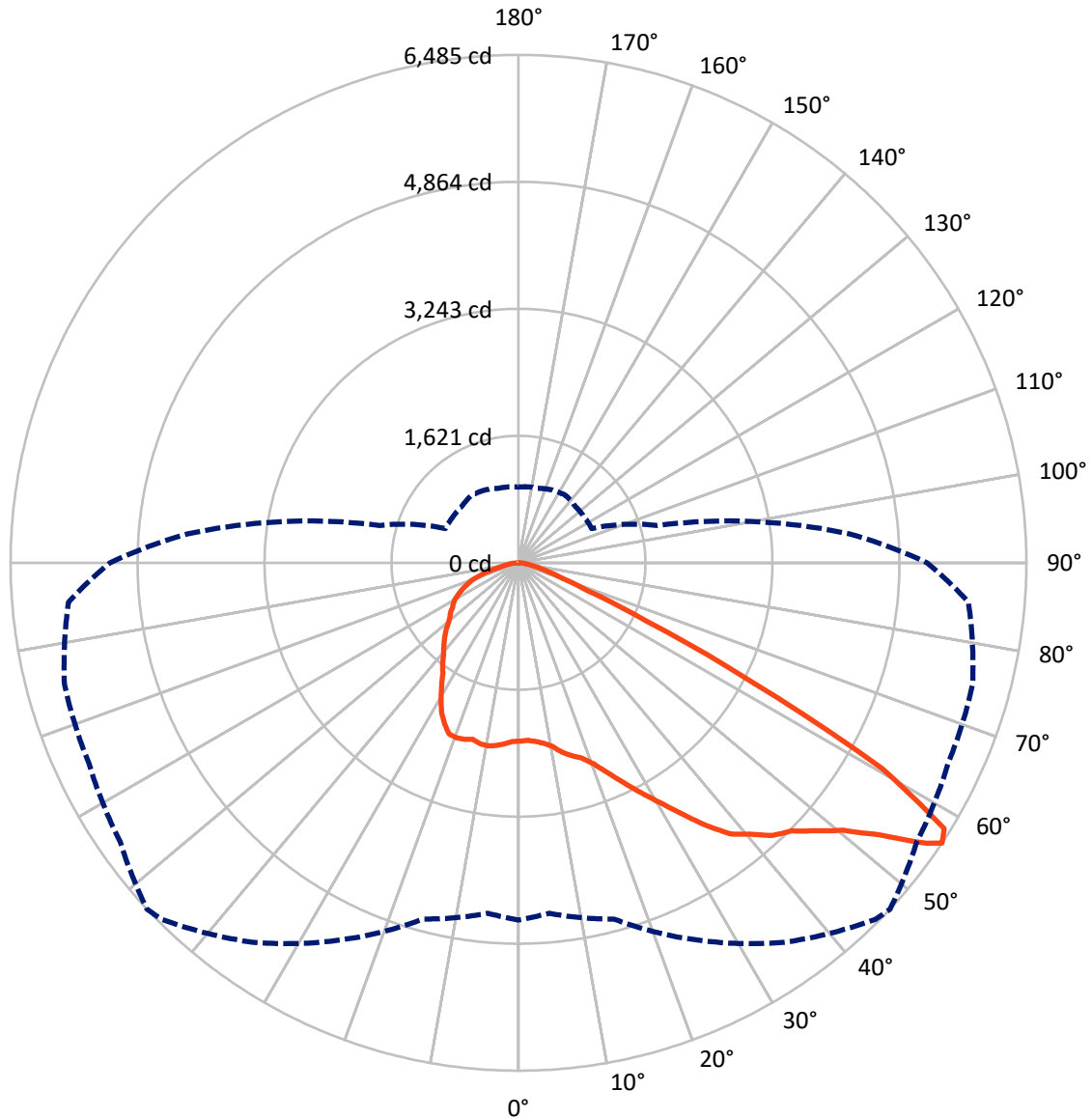
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type II - Short - N/A

REPORT NUMBER: P650322
CATALOG NUMBER: GLAN-SA3B-835-U-T3-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P650322
 CATALOG NUMBER: GLAN-SA3B-835-U-T3-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3593.6	0.0	3593.6
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	7746.6	0.0	7746.6
	% Fixture	68.3	0.0	68.3
Total	Lumens	11340.2	0.0	11340.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.0	2.0
10°-20°	700.1	6.2
20°-30°	1237.7	10.9
30°-40°	1859.0	16.4
40°-50°	2551.2	22.5
50°-60°	3039.5	26.8
60°-70°	1300.7	11.5
70°-80°	368.1	3.2
80°-90°	61.9	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°	11340.2	100.0
0°-180°	11340.2	100.0

Coefficient of Utilization



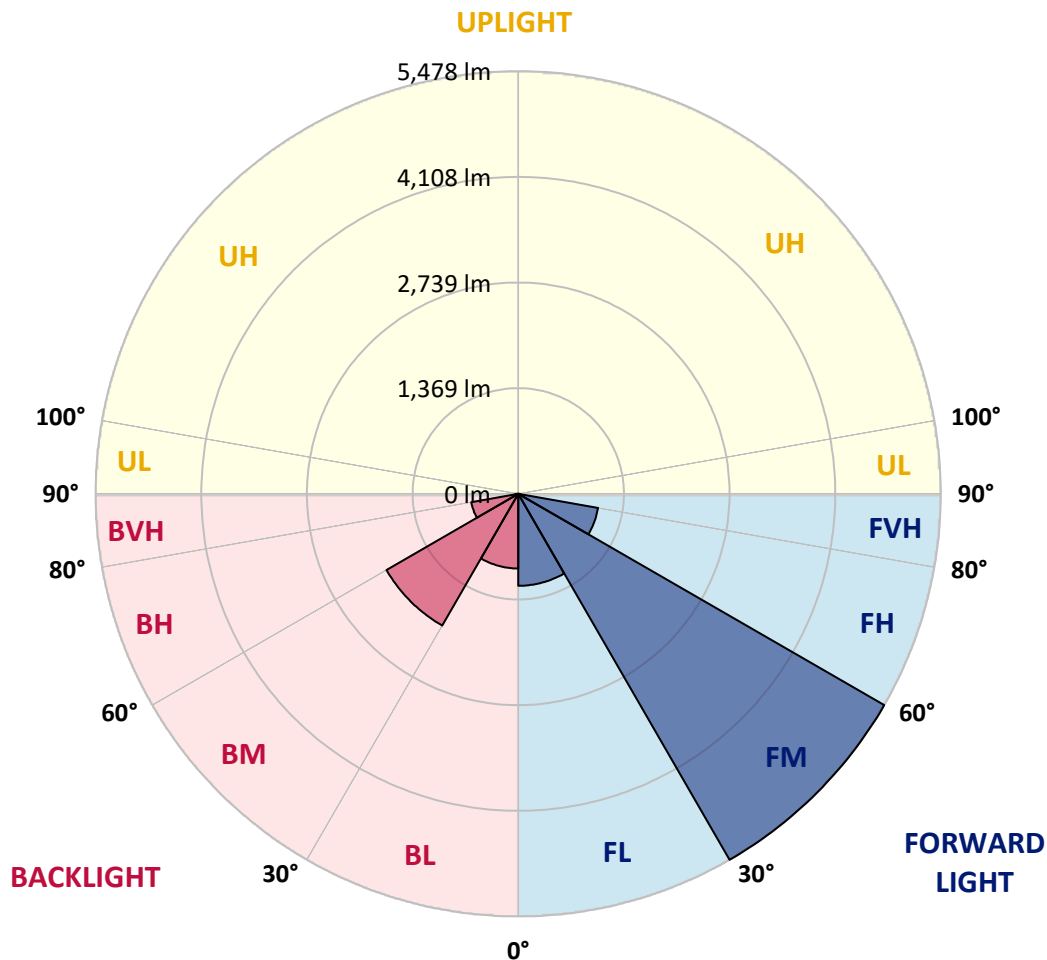
REPORT NUMBER: P650322
 CATALOG NUMBER: GLAN-SA3B-835-U-T3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1192.2	10.5			
FM (30°-60°)	5477.6	48.3			
FH (60°-80°)	1050.5	9.3			G1/1800
FVH (80°-90°)	26.3	0.2			G1/100
BL (0°-30°)	967.5	8.5	B2/1000		
BM (30°-60°)	1972.1	17.4	B2/2500		
BH (60°-80°)	618.3	5.5	B2/1000		G2/1000
BVH (80°-90°)	35.7	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-G2

Type II Short





REPORT NUMBER: P650322

CATALOG NUMBER: GLAN-SA3B-835-U-T3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2277.9	2277.9	2277.9	2277.9	2277.9	2277.9	2277.9	2277.9	2277.9	2277.9	2277.9
2.5°	2269.2	2264.9	2262.0	2285.1	2276.4	2277.9	2269.2	2277.9	2283.7	2270.7	2289.5
5°	2264.9	2277.9	2266.3	2273.6	2292.4	2286.6	2292.4	2309.7	2305.4	2301.0	2295.3
7.5°	2305.4	2306.8	2315.5	2318.4	2324.2	2318.4	2327.1	2343.0	2338.7	2314.1	2317.0
10°	2363.3	2366.1	2367.6	2383.5	2393.6	2395.0	2384.9	2370.5	2369.0	2402.2	2379.1
12.5°	2429.7	2422.5	2439.9	2445.7	2457.2	2470.3	2483.3	2452.9	2471.7	2473.2	2445.7
15°	2526.7	2533.9	2513.7	2513.7	2518.0	2519.5	2555.6	2541.1	2538.3	2522.4	2533.9
17.5°	2671.3	2622.1	2620.7	2600.4	2597.5	2609.1	2622.1	2633.7	2672.8	2640.9	2578.7
20°	2776.8	2788.4	2746.5	2721.9	2726.2	2752.2	2739.2	2791.3	2818.8	2766.7	2706.0
22.5°	2963.4	2924.4	2934.5	2879.6	2883.9	2911.4	2909.9	2963.4	2979.3	2896.9	2808.7
25°	3089.2	3079.1	3087.8	3044.5	3050.3	3071.9	3106.6	3194.9	3168.8	3077.7	2873.8
27.5°	3272.9	3252.7	3245.5	3229.6	3223.8	3281.6	3322.1	3416.2	3397.4	3264.2	2989.5
30°	3460.9	3447.9	3455.1	3390.1	3413.3	3536.2	3547.8	3676.4	3667.8	3433.5	3118.2
32.5°	3591.2	3598.4	3611.4	3575.3	3677.9	3776.3	3815.3	3961.4	3968.6	3724.2	3367.0
35°	3800.8	3776.3	3783.5	3825.4	3873.2	4052.5	4116.2	4213.0	4273.8	4029.3	3605.6
37.5°	3932.5	3958.5	3928.1	3994.6	4119.0	4334.5	4392.4	4492.1	4555.8	4330.1	3931.0
40°	4137.8	4095.9	4117.6	4165.3	4292.6	4573.2	4557.2	4659.9	4680.1	4586.2	4234.7
42.5°	4359.1	4338.8	4308.5	4417.0	4524.0	4727.9	4759.7	4712.0	4814.7	4836.4	4668.6
45°	4623.8	4648.4	4652.7	4655.6	4749.6	4927.5	4884.1	4842.2	4960.8	5118.4	4937.6
47.5°	4869.6	4791.6	4847.9	4926.0	5059.1	5060.5	5111.2	5011.4	5137.2	5277.5	5180.6
50°	4952.1	4914.5	4989.7	5137.2	5342.6	5364.3	5370.0	5228.3	5293.4	5404.7	5264.5
52.5°	4920.3	4907.2	5099.6	5328.1	5628.9	5738.8	5767.8	5592.8	5628.9	5578.3	5449.6
55°	4768.4	4807.5	5001.3	5467.0	5928.3	6268.2	6323.2	6101.8	5872.0	5910.9	5769.2
56°	4560.1	4492.1	4709.1	5309.3	5915.3	6440.3	6485.1	6208.9	6052.7	6002.1	5766.3
57.5°	3868.8	3780.6	4065.5	4777.1	5587.0	6375.3	6408.5	6253.7	6022.4	5919.6	5345.5
60°	2264.9	2308.3	2669.9	3294.6	4309.9	5226.8	5338.3	5451.0	5296.3	4836.4	3978.7
62.5°	1093.4	1065.9	1324.8	1888.8	2626.4	3336.6	3303.3	3620.0	3793.6	3436.4	2512.2
65°	572.8	569.9	723.2	1031.2	1443.4	1752.9	1783.3	1953.9	2192.6	1770.3	1275.6
67.5°	420.9	432.5	509.1	724.6	928.5	947.4	943.0	1028.3	1051.4	889.5	783.9
70°	329.7	335.5	392.0	551.0	691.3	619.0	606.0	616.1	684.1	713.0	678.3
72.5°	238.7	244.5	292.1	371.7	432.5	422.4	431.0	487.4	571.3	601.7	565.5
75°	159.1	163.4	189.5	227.1	256.0	276.2	292.1	357.2	435.3	452.7	435.3
77.5°	109.9	114.2	131.6	160.5	163.4	176.4	182.2	212.6	260.3	282.0	270.4
80°	62.2	62.2	70.9	82.4	101.2	118.6	121.5	146.1	167.8	182.2	185.1
82.5°	28.9	30.4	37.6	50.6	66.6	82.4	85.3	101.2	117.1	131.6	135.9
85°	14.5	15.9	21.7	30.4	40.5	49.2	47.8	49.2	52.1	49.2	50.6
87.5°	4.3	4.3	5.8	7.2	5.8	7.2	7.2	8.7	10.1	11.6	13.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P650322

CATALOG NUMBER: GLAN-SA3B-835-U-T3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2277.9	2277.9	2277.9	2277.9	2277.9	2277.9	2277.9	2277.9	2277.9	2277.9	2277.9
2.5°	2290.9	2295.3	2266.3	2293.8	2283.7	2282.2	2302.5	2299.6	2306.8	2303.9	2286.6
5°	2292.4	2282.2	2312.6	2285.1	2298.2	2325.6	2306.8	2350.3	2328.5	2343.0	2311.2
7.5°	2337.2	2340.1	2334.3	2345.9	2340.1	2353.1	2343.0	2353.1	2335.8	2337.2	2366.1
10°	2376.2	2367.6	2377.7	2363.3	2373.4	2369.0	2345.9	2338.7	2344.5	2337.2	2356.0
12.5°	2448.6	2432.6	2425.4	2408.0	2396.5	2353.1	2317.0	2296.7	2324.2	2328.5	2319.9
15°	2522.4	2523.8	2490.5	2451.4	2379.1	2314.1	2322.8	2330.0	2330.0	2341.6	2319.9
17.5°	2568.6	2568.6	2538.3	2460.1	2386.3	2348.8	2340.1	2317.0	2296.7	2293.8	2292.4
20°	2649.6	2625.0	2555.6	2458.7	2383.5	2366.1	2301.0	2246.1	2204.1	2189.7	2188.3
22.5°	2742.1	2680.0	2583.0	2461.6	2379.1	2354.6	2233.0	2150.6	2075.4	2043.6	2047.9
25°	2827.5	2727.7	2599.0	2448.6	2363.3	2244.6	2108.7	1994.5	1916.3	1890.3	1877.2
27.5°	2886.8	2778.3	2599.0	2460.1	2303.9	2121.7	1982.9	1836.8	1768.8	1751.4	1754.3
30°	2966.3	2842.0	2643.8	2435.5	2185.4	1962.6	1796.3	1700.8	1660.4	1645.9	1656.0
32.5°	3152.9	3008.3	2706.0	2376.2	2045.0	1803.5	1669.0	1615.5	1556.2	1527.2	1517.1
35°	3355.4	3165.9	2766.7	2276.4	1887.4	1658.9	1575.0	1525.8	1455.0	1423.2	1428.9
37.5°	3641.7	3368.4	2771.1	2111.6	1716.7	1577.9	1501.2	1424.6	1366.7	1317.6	1303.1
40°	4027.9	3644.6	2760.9	1938.0	1579.3	1482.5	1426.0	1330.6	1265.5	1230.8	1238.0
42.5°	4367.8	3968.6	2719.0	1741.3	1455.0	1417.4	1353.7	1259.7	1196.1	1159.9	1157.0
45°	4654.2	4207.2	2639.5	1573.6	1350.8	1345.0	1271.3	1199.0	1148.3	1115.1	1129.6
47.5°	4918.8	4399.6	2519.5	1405.8	1255.4	1267.0	1196.1	1151.2	1119.5	1089.1	1087.6
50°	5014.3	4396.7	2413.8	1267.0	1178.7	1172.9	1170.0	1122.4	1089.1	1063.0	1074.6
52.5°	5173.4	4445.9	2299.6	1171.5	1109.3	1110.8	1120.9	1086.2	1048.6	1032.6	1047.1
55°	5401.8	4453.1	2047.9	1060.1	1051.4	1061.6	1061.6	1038.4	1006.6	993.6	986.3
56°	5215.3	4237.6	1836.8	1031.2	1022.5	1022.5	1050.0	1024.0	984.9	974.8	966.1
57.5°	4810.4	3712.6	1537.4	996.5	983.4	1003.7	1018.2	990.7	954.6	940.1	948.8
60°	3317.8	2512.2	1155.6	921.3	921.3	954.6	966.1	925.6	909.7	908.3	896.7
62.5°	1936.6	1463.7	903.9	853.3	856.2	883.7	892.4	869.2	849.0	873.6	885.1
65°	1026.8	873.6	775.2	781.0	782.5	804.1	841.7	840.3	838.8	846.1	847.5
67.5°	743.4	726.0	704.3	698.6	701.4	717.4	755.0	783.9	782.5	765.1	752.1
70°	662.4	637.8	624.8	626.2	614.7	633.4	663.8	682.6	649.4	629.1	620.4
72.5°	551.0	543.8	535.1	536.6	513.4	509.1	474.4	474.4	465.7	459.9	470.0
75°	420.9	418.0	422.4	415.1	390.5	364.5	344.2	325.4	296.5	284.9	279.1
77.5°	266.1	274.8	284.9	269.0	258.9	240.1	219.9	201.0	177.9	164.9	164.9
80°	180.8	188.0	195.3	192.4	180.8	163.4	147.5	127.2	111.3	101.2	99.8
82.5°	137.4	143.2	153.3	141.7	130.1	115.7	102.7	88.2	73.8	62.2	62.2
85°	49.2	56.4	62.2	68.0	72.3	73.8	63.7	52.1	42.0	33.3	31.8
87.5°	13.0	14.5	15.9	14.5	14.5	14.5	15.9	14.5	13.0	10.1	10.1
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)