

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: P654193

Luminaire Tested: **GLAN-SA2B-840-U-AFL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P654193  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA2B-840-U-AFL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8684.1 lumens  
Efficiency: N/A  
Efficacy: 105.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1

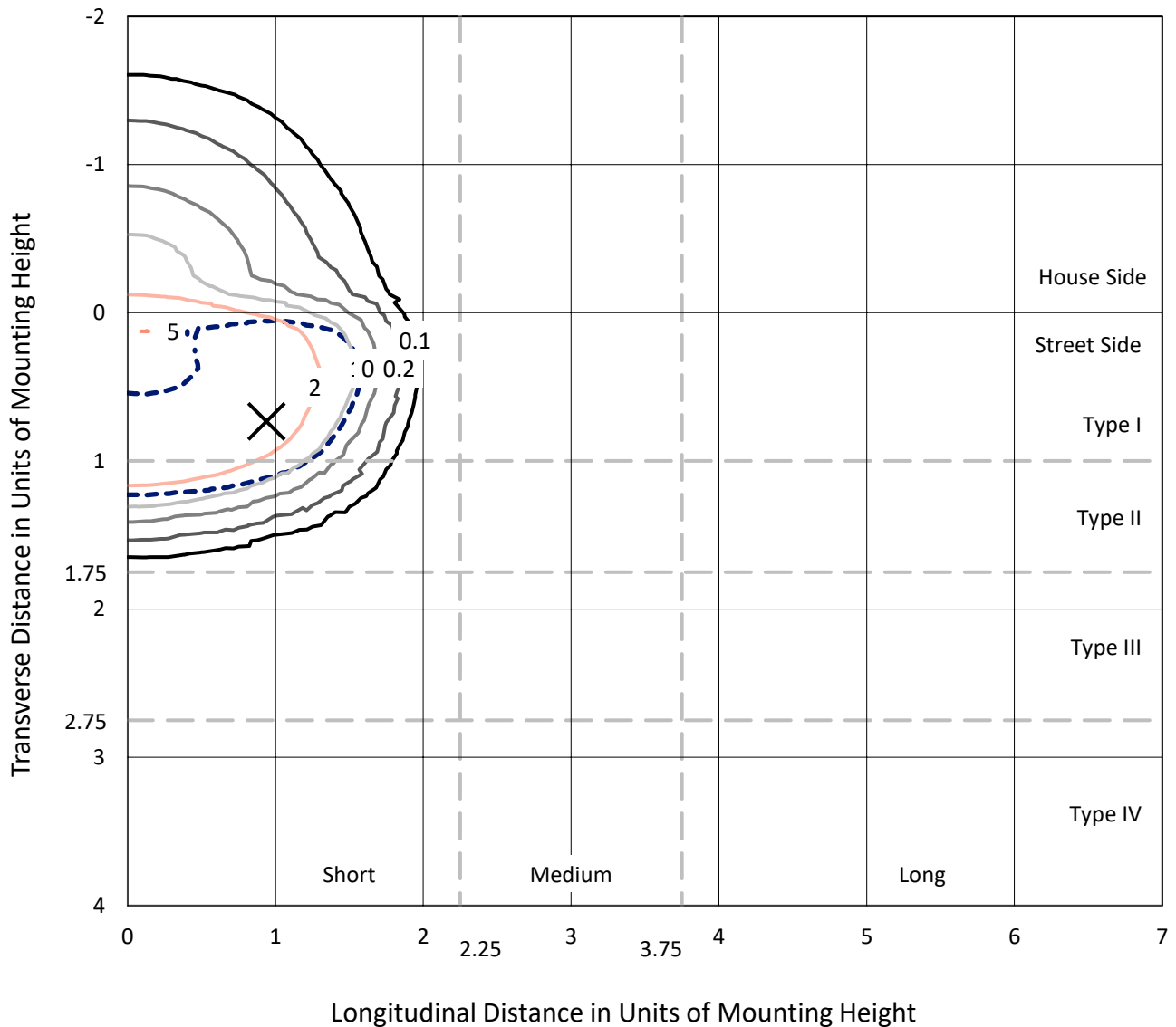
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

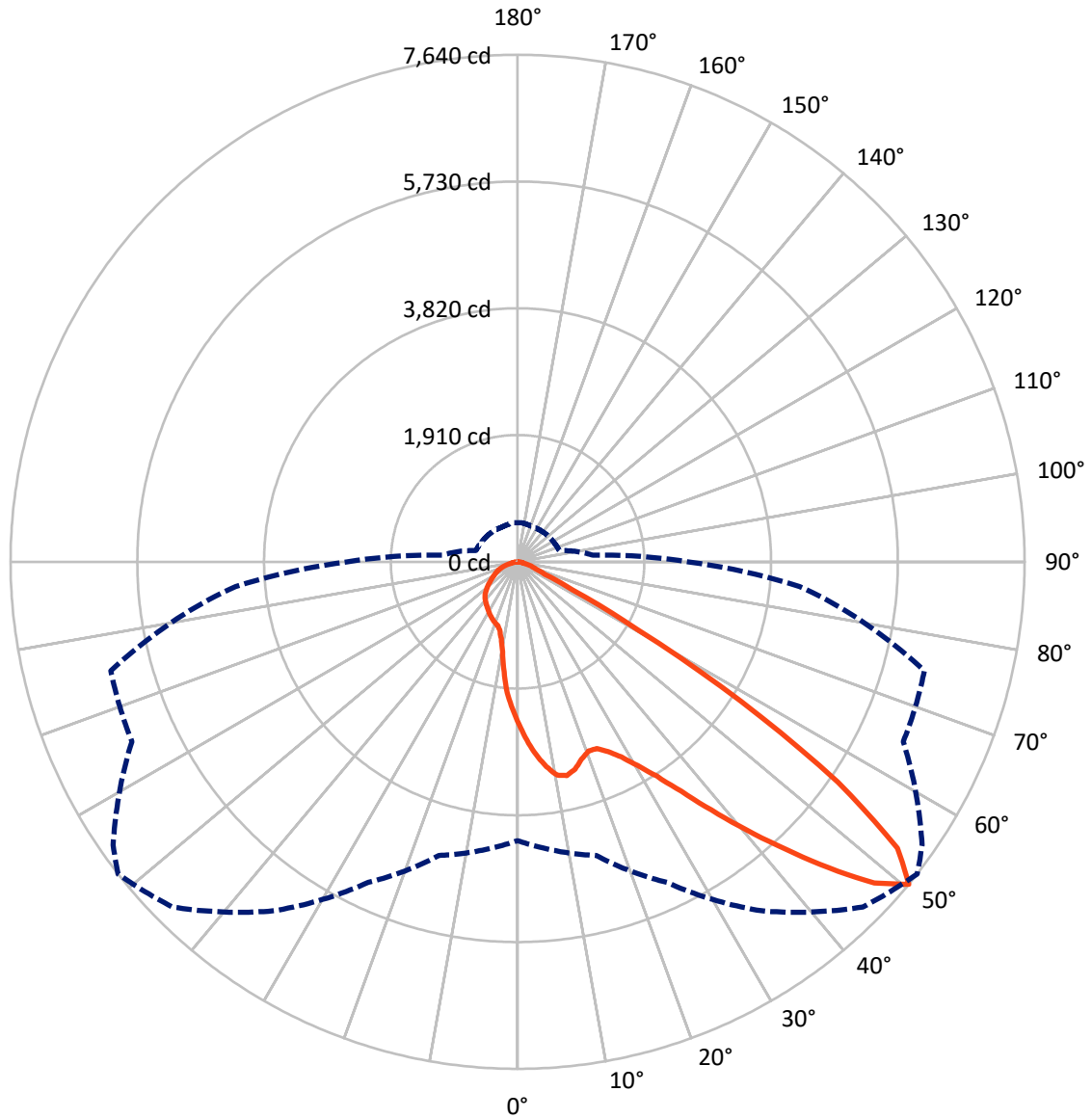
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 52-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

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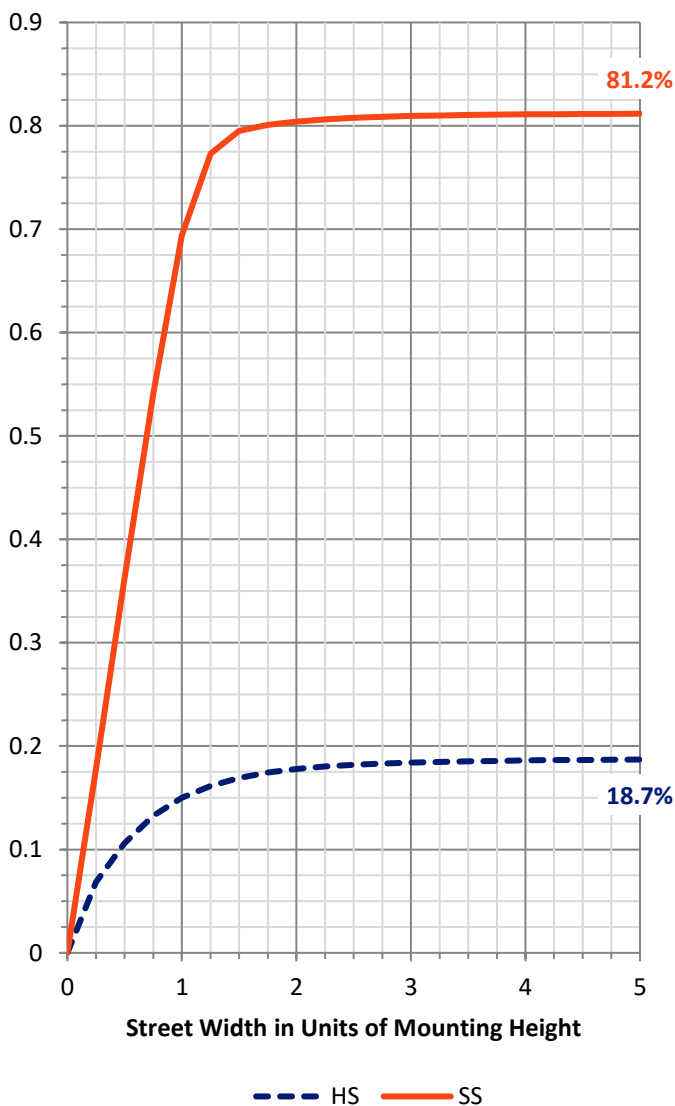
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1632.4	0.0	1632.4
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	7051.7	0.0	7051.7
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	8684.1	0.0	8684.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	225.6	2.6
10°-20°	604.7	7.0
20°-30°	1018.6	11.7
30°-40°	1709.4	19.7
40°-50°	2614.9	30.1
50°-60°	1906.5	22.0
60°-70°	424.3	4.9
70°-80°	153.0	1.8
80°-90°	27.1	0.3
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°	8684.1	100.0
0°-180°	8684.1	100.0

**Coefficient of Utilization**

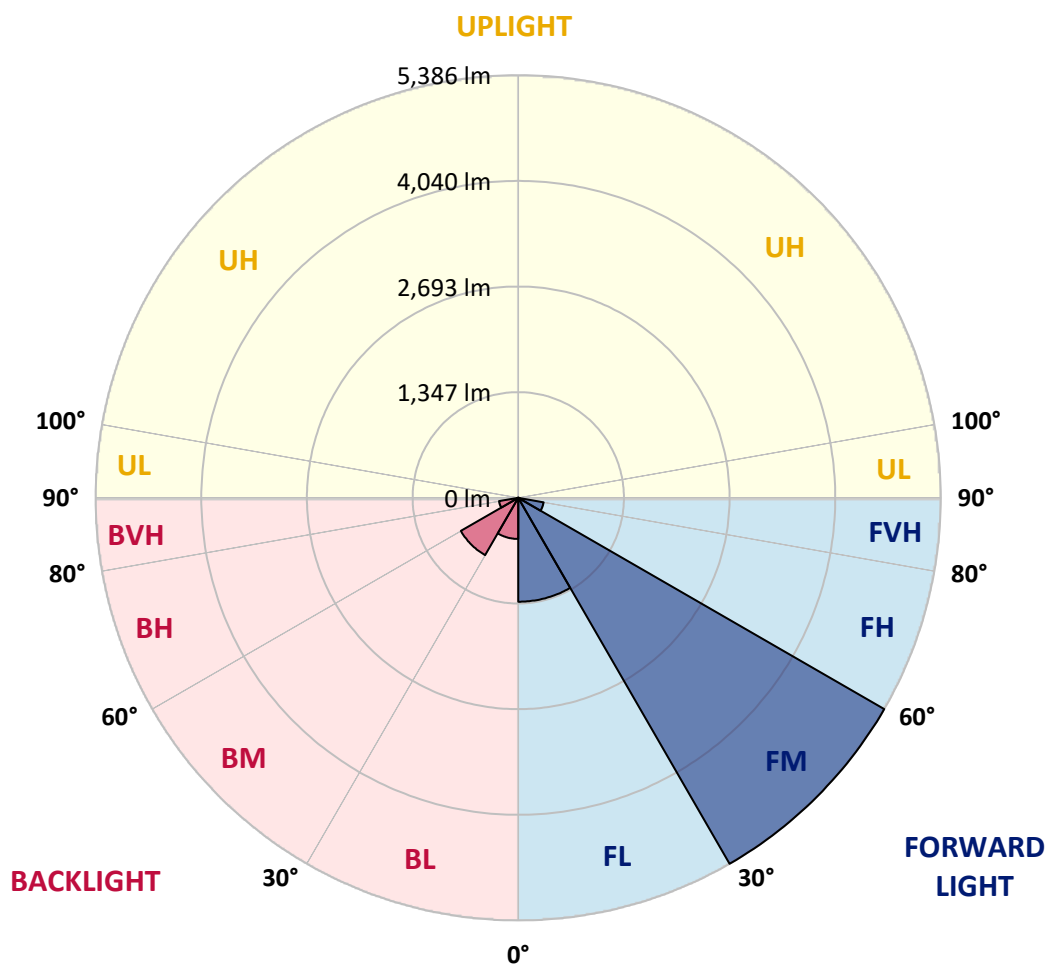


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1324.6	15.3			
FM (30°-60°)	5386.4	62.0			
FH (60°-80°)	328.6	3.8			G0/660
FVH (80°-90°)	12.1	0.1			G1/100
BL (0°-30°)	524.4	6.0	B2/1000		
BM (30°-60°)	844.4	9.7	B1/1000		
BH (60°-80°)	248.7	2.9	B1/500		G1/500
BVH (80°-90°)	14.9	0.2			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°	52°	55°	65°	75°	85°
0°	2447.9	2447.9	2447.9	2447.9	2447.9	2447.9	2447.9	2447.9	2447.9	2447.9	2447.9
2.5°	2882.3	2826.8	2833.1	2793.3	2750.4	2737.8	2693.9	2652.0	2620.6	2553.6	2491.9
5°	3150.1	3133.4	3108.3	3076.9	3044.5	2964.9	2920.0	2867.6	2752.5	2648.9	2546.3
7.5°	3188.9	3185.8	3199.3	3199.3	3210.9	3180.5	3116.7	3080.1	2957.6	2789.1	2598.6
10°	2916.8	2926.2	2992.1	3078.0	3197.2	3280.0	3269.5	3260.1	3126.1	2895.8	2660.3
12.5°	2700.1	2679.2	2717.9	2791.2	2970.2	3170.1	3305.0	3306.1	3271.6	3066.5	2705.4
15°	2577.7	2592.4	2602.8	2637.4	2772.4	3003.6	3241.2	3311.4	3463.1	3186.8	2776.6
17.5°	2656.2	2607.0	2604.9	2613.2	2682.4	2856.1	3123.0	3243.3	3567.8	3341.7	2864.4
20°	2758.7	2757.7	2728.4	2717.9	2716.9	2871.8	3045.5	3208.8	3623.2	3542.6	2953.4
22.5°	2938.8	2938.8	2890.6	2867.6	2818.4	2945.0	3055.9	3167.0	3715.3	3680.8	2996.3
25°	3240.2	3191.0	3108.3	3051.8	3023.6	3068.6	3167.0	3266.4	3795.9	3827.3	3085.3
27.5°	3518.6	3441.1	3400.3	3302.9	3265.3	3239.1	3329.1	3429.6	3890.1	4055.5	3133.4
30°	3834.6	3821.0	3747.7	3622.2	3529.0	3480.9	3563.6	3663.0	4062.8	4288.8	3244.3
32.5°	4399.8	4276.3	4176.8	4023.0	3871.3	3768.7	3850.4	3916.3	4349.6	4532.7	3365.8
35°	5009.9	4970.1	4798.5	4521.1	4288.8	4196.8	4244.9	4294.1	4683.4	4905.3	3569.9
37.5°	5609.6	5555.1	5413.9	5180.5	4897.9	4710.6	4745.2	4802.7	5058.0	5407.6	3818.9
40°	6040.8	5973.8	5902.6	5868.1	5587.6	5331.2	5311.3	5326.0	5564.6	5878.6	4095.2
42.5°	6072.2	6154.9	6176.8	6316.1	6250.1	6039.7	5917.3	5920.5	6048.1	6344.3	4374.6
45°	6006.3	5929.9	6092.0	6472.0	6689.7	6788.0	6581.8	6555.7	6347.4	6614.3	4513.8
47.5°	5314.4	5335.4	5609.6	6210.4	6839.3	7278.9	7230.7	7143.9	6507.6	6604.9	4491.9
50°	4201.0	4327.5	4581.9	5330.2	6420.7	7356.3	7640.0	7439.0	6412.3	6345.3	4267.9
52.5°	2797.5	2849.8	3017.3	3983.2	5162.7	6575.6	7169.0	7215.0	6324.4	6005.2	3984.3
55°	1245.4	1241.2	1476.7	2080.5	3239.1	5003.6	5857.6	6138.1	5986.4	5658.8	3708.0
57.5°	527.5	545.2	641.5	899.0	1592.9	3019.4	3968.6	4214.5	4603.9	4646.8	2844.6
60°	356.9	358.9	385.2	450.0	666.7	1418.1	2081.6	2376.8	2655.1	2636.3	1509.2
62.5°	280.5	287.8	307.7	333.9	395.6	643.6	931.4	1095.7	1113.6	936.7	572.5
65°	239.7	240.7	260.6	282.6	309.8	374.7	449.0	457.3	462.6	445.8	420.8
67.5°	197.8	199.9	215.6	240.7	265.8	286.8	307.7	318.2	342.2	389.3	383.1
70°	157.0	160.1	173.8	194.7	217.7	230.3	256.4	265.8	287.8	324.5	339.1
72.5°	119.3	120.3	131.9	146.5	167.4	180.0	202.0	212.4	227.1	258.5	272.1
75°	85.8	89.0	97.3	104.6	107.8	116.1	137.1	148.6	169.5	183.2	184.2
77.5°	45.0	47.1	49.2	49.2	59.6	75.4	89.0	95.2	109.9	120.3	115.1
80°	17.8	18.8	24.1	32.5	41.9	54.4	63.8	66.9	79.6	85.8	89.0
82.5°	10.4	11.5	15.7	23.0	30.4	38.7	46.1	49.2	57.5	64.9	66.9
85°	5.2	6.3	9.4	14.6	19.8	24.1	23.0	22.0	22.0	20.9	22.0
87.5°	2.1	2.1	3.1	3.1	3.1	4.2	5.2	5.2	5.2	6.3	6.3
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°	2447.9	2447.9	2447.9	2447.9	2447.9	2447.9	2447.9	2447.9	2447.9	2447.9	2447.9
2.5°	2451.1	2409.2	2370.4	2299.3	2221.8	2199.9	2109.9	2077.4	2054.4	2027.2	2018.8
5°	2463.6	2408.1	2283.7	2140.3	2026.1	1879.6	1783.3	1679.7	1604.4	1585.5	1580.3
7.5°	2489.8	2394.6	2180.0	1963.4	1729.9	1531.1	1379.4	1297.7	1225.5	1221.4	1214.0
10°	2519.0	2353.7	2067.0	1726.8	1428.6	1244.3	1153.3	1117.8	1099.9	1095.7	1093.6
12.5°	2543.2	2345.4	1940.4	1496.6	1215.1	1104.1	1076.9	1073.8	1081.1	1083.2	1087.4
15°	2553.6	2311.9	1787.5	1290.4	1082.1	1041.3	1052.8	1065.4	1070.7	1084.2	1073.8
17.5°	2573.5	2268.9	1599.2	1127.2	1007.9	1015.2	1035.0	1049.7	1058.1	1067.5	1053.9
20°	2584.0	2230.2	1422.3	1029.8	981.7	995.3	1022.5	1034.0	1044.4	1048.6	1033.0
22.5°	2574.6	2150.7	1266.4	951.3	956.6	974.4	998.4	1011.0	1004.7	987.9	978.5
25°	2549.4	2038.8	1104.1	901.1	921.0	952.3	971.2	961.8	950.2	940.8	937.7
27.5°	2548.4	1901.6	986.9	855.0	890.6	933.5	927.3	918.9	924.1	916.8	908.4
30°	2553.6	1768.7	890.6	828.9	868.7	889.6	896.9	888.5	894.8	881.2	885.4
32.5°	2526.4	1638.9	827.8	798.5	842.5	841.4	865.5	871.8	857.1	828.9	833.1
35°	2537.9	1534.2	774.5	784.9	813.2	813.2	832.0	824.7	786.0	769.3	773.4
37.5°	2617.4	1431.7	748.3	766.1	784.9	793.3	787.0	755.6	746.2	746.2	748.3
40°	2692.8	1343.8	732.6	761.9	758.8	764.0	718.0	721.1	721.1	722.2	716.9
42.5°	2759.8	1284.1	720.1	736.8	742.0	714.8	686.5	683.4	690.7	689.7	685.5
45°	2783.9	1234.9	702.2	708.5	712.7	667.7	654.1	647.8	656.2	659.3	663.5
47.5°	2691.8	1194.1	682.4	669.8	661.4	632.1	614.4	602.8	613.3	631.1	635.3
50°	2573.5	1140.7	650.9	626.9	609.1	596.5	584.0	572.5	579.8	592.3	589.2
52.5°	2398.7	1057.1	611.2	586.1	555.7	558.8	547.3	541.1	545.2	545.2	542.1
55°	2149.7	868.7	544.2	526.4	501.3	509.6	511.7	503.4	495.0	502.3	496.1
57.5°	1467.3	613.3	485.6	485.6	460.5	472.0	471.0	451.1	431.2	433.3	429.1
60°	848.7	488.8	447.9	443.7	417.6	427.0	429.1	415.5	385.2	387.2	383.1
62.5°	482.5	417.6	391.4	385.2	379.9	388.3	388.3	370.5	344.3	346.4	342.2
65°	410.2	387.2	349.5	348.5	346.4	348.5	340.1	321.3	298.3	288.9	289.9
67.5°	372.6	357.9	321.3	311.8	305.6	304.5	288.9	271.1	260.6	252.2	251.2
70°	326.6	315.0	287.8	275.3	269.0	254.3	238.6	227.1	212.4	208.2	212.4
72.5°	258.5	257.4	247.0	233.4	219.8	208.2	194.7	179.0	165.3	162.2	154.9
75°	179.0	181.1	183.2	181.1	169.5	154.9	139.2	126.7	109.9	100.5	98.4
77.5°	117.2	120.3	123.5	119.3	112.0	98.4	87.9	72.2	59.6	52.3	51.3
80°	85.8	90.0	92.1	89.0	80.6	70.1	58.6	46.1	36.7	30.4	30.4
82.5°	65.9	70.1	72.2	66.9	58.6	50.2	41.9	32.5	25.1	19.8	18.8
85°	23.0	22.0	26.2	27.2	32.5	30.4	25.1	18.8	14.6	10.4	9.4
87.5°	6.3	6.3	7.3	7.3	6.3	5.2	5.2	5.2	4.2	3.1	3.1
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)