

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: P650258

Luminaire Tested: **GLAN-SA2B-835-U-T2-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P650258  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA2B-835-U-T2-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5285.2 lumens  
Efficiency: N/A  
Efficacy: 64.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0

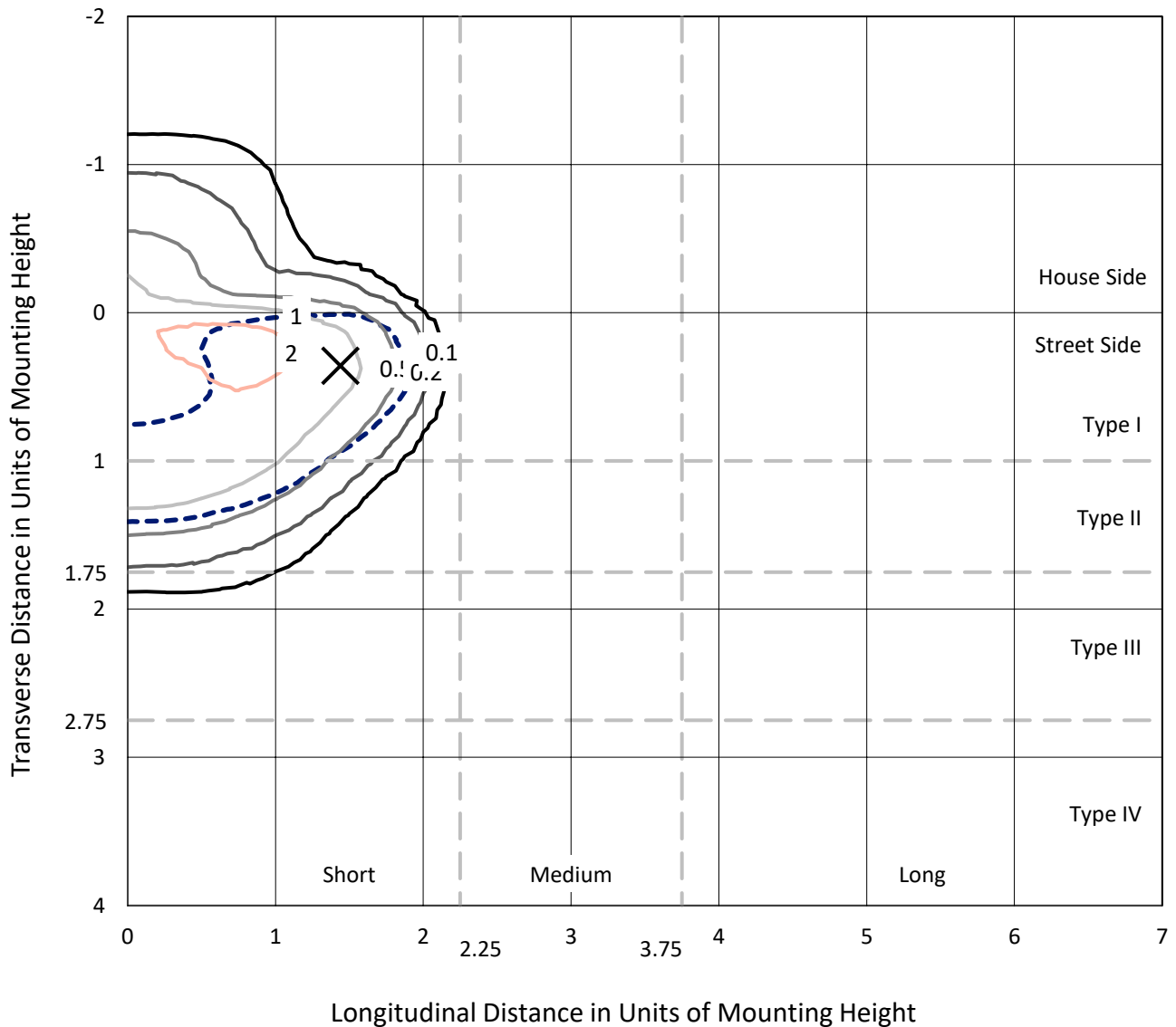
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

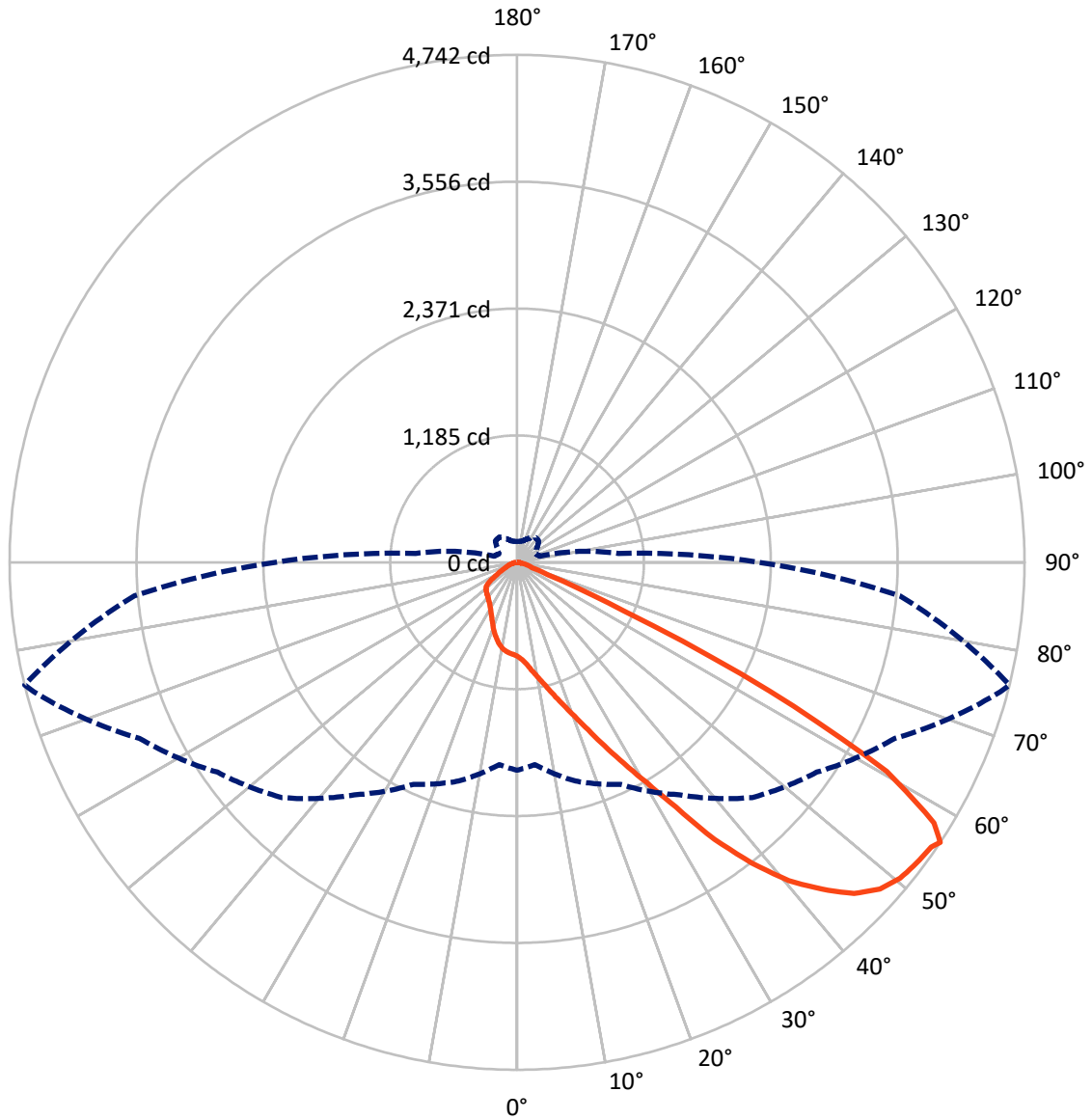
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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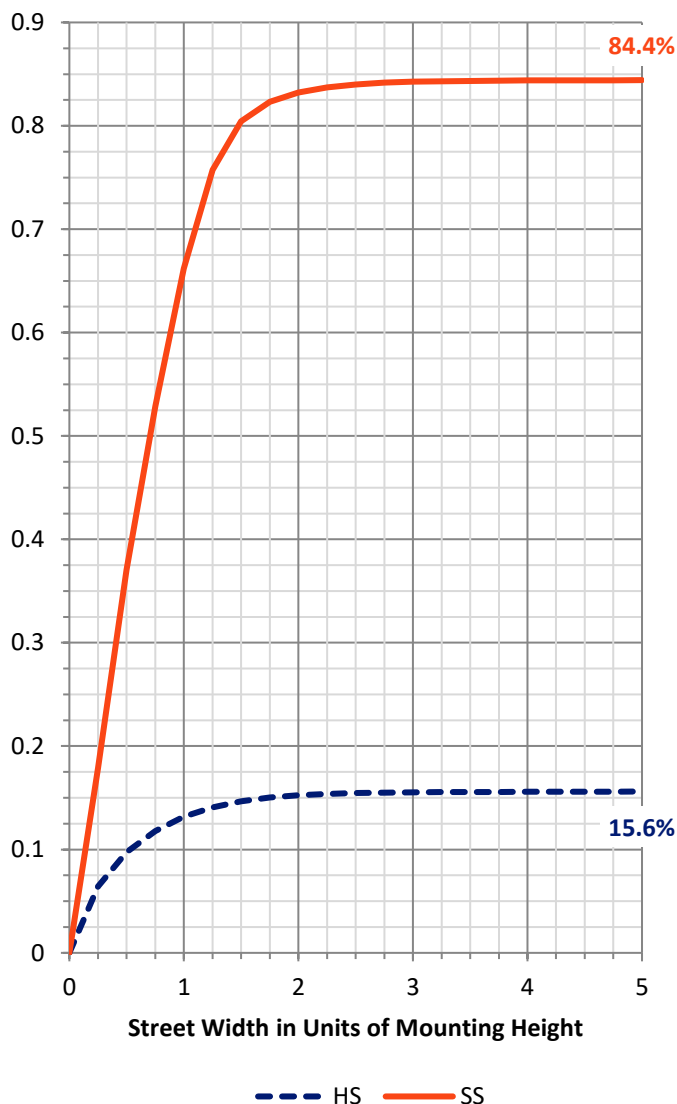
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	830.3	0.0	830.3
	% Fixture	15.7	0.0	15.7
<b>Street Side</b>	Lumens	4455.0	0.0	4455.0
	% Fixture	84.3	0.0	84.3
<b>Total</b>	Lumens	5285.2	0.0	5285.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.6	1.7
10°-20°	284.7	5.4
20°-30°	516.2	9.8
30°-40°	890.3	16.8
40°-50°	1446.3	27.4
50°-60°	1524.5	28.8
60°-70°	465.8	8.8
70°-80°	59.7	1.1
80°-90°	9.1	0.2
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°	5285.2	100.0
0°-180°	5285.2	100.0

**Coefficient of Utilization**

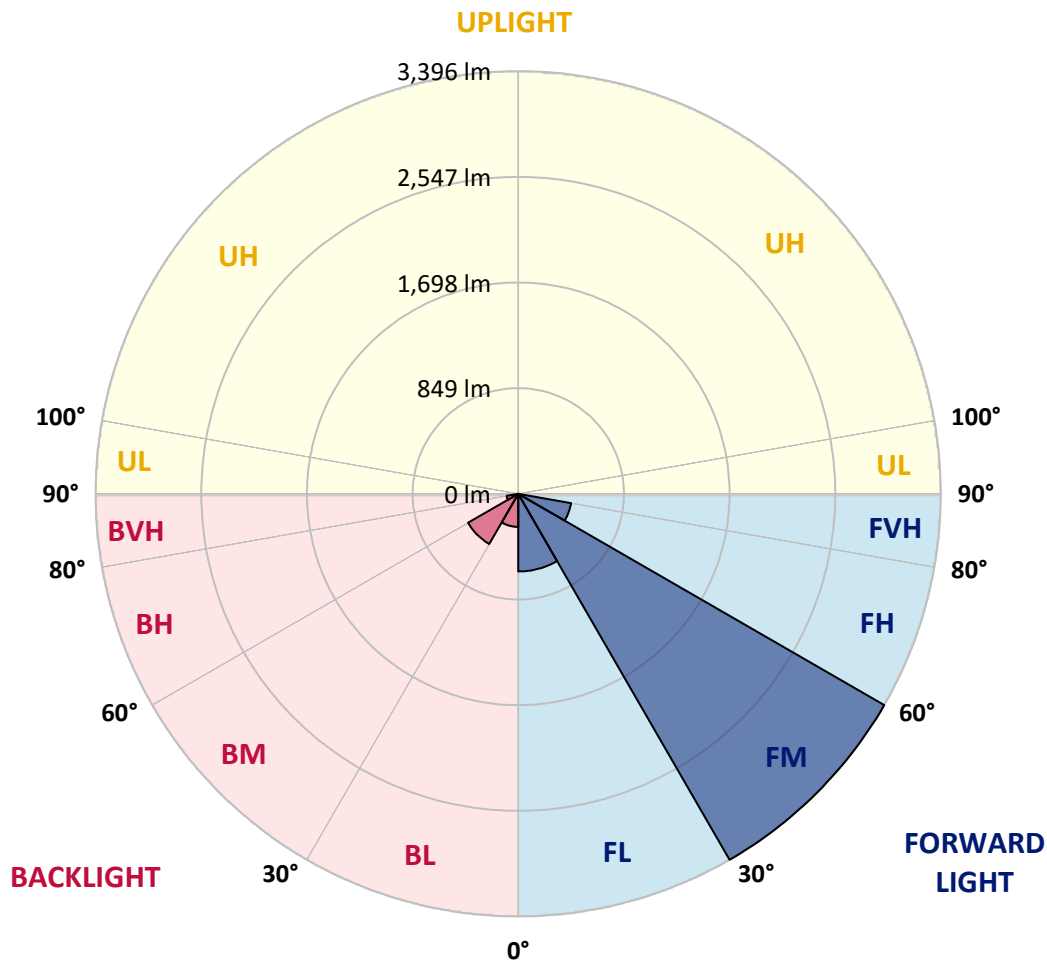


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	624.0	11.8			
FM (30°-60°)	3395.8	64.3			
FH (60°-80°)	430.8	8.2			G0/660
FVH (80°-90°)	4.4	0.1			G0/10
BL (0°-30°)	265.6	5.0	B1/500		
BM (30°-60°)	465.3	8.8	B1/1000		
BH (60°-80°)	94.7	1.8	B0/110		G0/110
BVH (80°-90°)	4.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	879.7	879.7	879.7	879.7	879.7	879.7	879.7	879.7	879.7	879.7	879.7
2.5°	1013.2	989.8	990.8	988.9	986.0	975.2	943.0	938.2	916.7	910.9	891.4
5°	1135.0	1114.5	1126.2	1108.6	1092.1	1082.3	1029.8	1005.5	971.3	958.6	931.4
7.5°	1211.0	1201.2	1197.4	1198.3	1182.7	1158.4	1135.0	1081.4	1035.6	1025.9	968.4
10°	1248.0	1242.2	1248.0	1245.0	1251.9	1254.8	1213.9	1181.8	1114.5	1098.0	1008.3
12.5°	1256.8	1268.5	1273.3	1286.0	1302.5	1330.8	1327.9	1284.0	1194.4	1183.7	1069.7
15°	1278.2	1288.0	1283.1	1303.5	1334.7	1382.5	1407.8	1400.9	1304.5	1285.1	1140.8
17.5°	1297.7	1280.1	1296.7	1337.6	1368.8	1441.9	1503.3	1531.5	1424.4	1402.0	1206.1
20°	1324.0	1319.1	1316.2	1336.7	1392.2	1489.6	1611.4	1663.0	1558.8	1535.4	1299.6
22.5°	1403.8	1404.9	1402.9	1372.7	1412.6	1522.7	1705.9	1833.6	1719.5	1700.0	1405.8
25°	1509.1	1496.5	1486.7	1462.3	1457.5	1552.9	1801.4	2042.0	1912.4	1898.8	1520.8
27.5°	1620.2	1620.2	1590.9	1568.5	1537.3	1627.9	1889.1	2244.6	2145.3	2126.8	1621.1
30°	1741.0	1747.8	1743.9	1696.1	1676.6	1709.8	1978.6	2503.8	2412.2	2388.9	1786.7
32.5°	1919.3	1904.6	1921.2	1881.2	1823.8	1853.0	2120.0	2735.6	2759.1	2725.9	2004.0
35°	2155.1	2146.3	2135.6	2070.3	2002.1	2025.5	2319.6	3021.1	3194.6	3178.0	2223.3
37.5°	2366.5	2361.5	2352.8	2308.0	2229.0	2257.3	2546.6	3318.3	3619.3	3564.8	2533.0
40°	2588.5	2614.8	2586.6	2546.6	2474.6	2536.9	2813.6	3494.6	3976.9	3910.6	2769.8
42.5°	2889.6	2869.1	2881.8	2808.7	2769.8	2838.0	3081.5	3670.9	4254.5	4175.6	3021.1
45°	3210.1	3211.1	3177.0	3153.6	3052.3	3126.4	3246.2	3768.3	4475.6	4414.2	3211.1
47.5°	3415.7	3414.7	3451.7	3488.7	3384.5	3311.5	3358.2	3860.9	4589.6	4561.4	3280.3
50°	3383.5	3393.3	3441.1	3579.3	3633.9	3535.5	3463.4	3833.6	4641.3	4638.3	3339.7
52.5°	2943.1	2975.3	3055.2	3254.9	3529.7	3651.4	3573.5	3884.3	4666.6	4671.5	3428.4
55°	2240.7	2258.3	2410.2	2652.9	2956.8	3373.8	3529.7	3924.2	4686.1	4694.9	3535.5
56°	1943.6	1896.8	2116.1	2288.5	2651.9	3107.8	3418.6	3893.1	4674.4	4741.6	3589.1
57.5°	1467.2	1436.0	1613.4	1828.6	2178.4	2659.7	3073.7	3746.0	4595.5	4594.5	3512.1
60°	892.4	861.2	997.6	1124.3	1320.1	1637.7	2077.1	2983.2	3885.2	3967.1	2843.8
62.5°	531.0	550.4	684.9	761.9	825.2	858.3	1074.6	1773.1	2592.4	2650.9	1764.3
65°	353.7	360.5	461.8	588.4	616.7	491.0	437.5	718.0	1124.3	1088.2	727.7
67.5°	218.2	233.8	309.8	442.3	490.1	358.5	207.5	267.9	309.8	309.8	210.5
70°	132.5	140.3	206.6	301.1	336.1	230.9	151.0	151.0	149.1	146.1	125.7
72.5°	63.3	68.2	105.2	154.9	157.9	121.8	116.9	127.6	124.7	123.7	104.2
75°	27.2	29.2	37.0	48.7	55.5	51.6	71.1	91.6	94.5	91.6	75.0
77.5°	8.8	9.7	13.6	17.5	18.5	22.4	30.2	38.0	43.8	41.0	37.0
80°	0.9	2.0	3.9	8.8	13.6	17.5	22.4	25.4	28.3	28.3	26.3
82.5°	0.9	0.9	3.9	7.8	12.7	16.6	21.5	24.4	28.3	29.2	27.2
85°	0.0	0.9	2.9	6.8	10.7	10.7	9.7	9.7	6.8	6.8	6.8
87.5°	0.0	0.0	0.9	0.9	0.9	2.0	2.0	2.0	2.0	2.0	2.0
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°	879.7	879.7	879.7	879.7	879.7	879.7	879.7	879.7	879.7	879.7	879.7
2.5°	887.5	885.6	859.3	842.7	834.0	816.4	805.7	797.9	792.1	785.3	786.2
5°	899.2	892.4	848.5	818.4	782.3	762.8	746.3	732.7	723.9	721.9	718.0
7.5°	932.3	896.3	830.1	775.5	729.7	710.3	695.6	686.8	690.8	682.0	688.8
10°	957.7	904.1	807.7	728.7	682.9	668.3	660.5	667.4	677.1	673.2	668.3
12.5°	988.9	911.9	771.6	684.0	641.0	630.3	643.9	656.6	676.1	684.0	674.2
15°	1023.9	920.7	725.8	632.3	605.0	613.8	637.1	659.5	679.0	688.8	694.6
17.5°	1066.8	917.8	681.0	591.4	570.9	596.3	624.5	645.0	674.2	688.8	684.9
20°	1106.8	908.0	631.3	550.4	551.4	574.8	598.2	631.3	646.9	666.4	659.5
22.5°	1144.7	890.4	579.7	522.2	522.2	558.2	569.9	591.4	605.0	614.7	613.8
25°	1198.3	857.3	536.8	494.9	506.6	530.0	539.7	546.5	540.7	548.5	549.5
27.5°	1236.3	823.2	501.7	470.6	492.0	509.5	506.6	502.7	489.1	478.3	485.1
30°	1277.2	783.3	471.5	454.0	465.7	481.3	469.6	457.9	436.4	418.9	419.9
32.5°	1335.7	764.8	445.2	434.5	450.1	452.0	439.4	421.9	400.4	383.8	382.9
35°	1444.8	753.1	422.8	421.9	424.8	425.7	413.1	391.7	382.9	369.3	374.1
37.5°	1553.9	747.2	407.2	403.3	402.4	403.3	388.8	368.2	384.8	383.8	385.8
40°	1693.2	773.5	384.8	380.0	380.9	380.9	362.5	356.6	385.8	388.8	389.7
42.5°	1834.5	806.6	370.2	354.6	358.5	358.5	348.7	341.9	362.5	343.0	340.0
45°	1957.3	855.3	354.6	329.3	339.0	343.9	341.0	329.3	316.6	283.5	283.5
47.5°	1997.2	898.3	336.1	304.9	312.7	334.2	325.4	301.1	278.7	251.3	249.4
50°	2067.4	945.0	321.5	276.7	293.2	319.5	310.8	286.4	261.1	241.6	242.6
52.5°	2139.4	998.6	294.3	243.6	264.0	307.9	307.9	280.5	241.6	228.0	226.1
55°	2247.6	996.7	245.5	199.7	235.8	290.3	295.2	251.3	216.3	205.5	205.5
56°	2263.2	951.8	221.1	187.1	223.1	285.5	286.4	243.6	206.6	194.8	194.8
57.5°	2146.3	859.3	193.9	171.5	207.5	276.7	277.7	236.8	198.7	182.2	180.2
60°	1651.3	581.6	161.7	152.9	188.0	249.4	254.2	215.3	174.4	161.7	160.7
62.5°	932.3	322.4	142.3	138.4	161.7	212.3	227.0	188.0	148.1	141.3	143.2
65°	425.7	177.3	119.8	112.0	130.5	163.6	183.1	154.9	121.8	114.0	114.0
67.5°	155.9	120.8	102.3	88.6	91.6	106.2	118.9	100.4	80.9	69.1	72.1
70°	111.0	101.3	89.7	77.0	71.1	69.1	68.2	56.5	39.9	31.2	33.1
72.5°	89.7	83.8	75.0	65.3	55.5	46.7	39.9	29.2	18.5	12.7	11.7
75°	64.3	61.4	54.6	46.7	39.0	33.1	27.2	18.5	9.7	4.9	4.9
77.5°	33.1	33.1	32.2	29.2	24.4	19.5	15.6	10.7	5.9	2.0	2.0
80°	25.4	27.2	28.3	25.4	22.4	17.5	12.7	7.8	3.9	0.9	0.9
82.5°	24.4	28.3	30.2	26.3	22.4	16.6	12.7	7.8	3.9	0.9	0.9
85°	5.9	5.9	8.8	9.7	12.7	13.6	10.7	6.8	2.9	0.9	0.9
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.9	0.9	0.9	0.9	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)