

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: P526706

Luminaire Tested: **GLAN-SA1C-830-U-T2-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526706  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA1C-830-U-T2-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS  
WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4741 lumens  
Efficiency: N/A  
Efficacy: 83.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

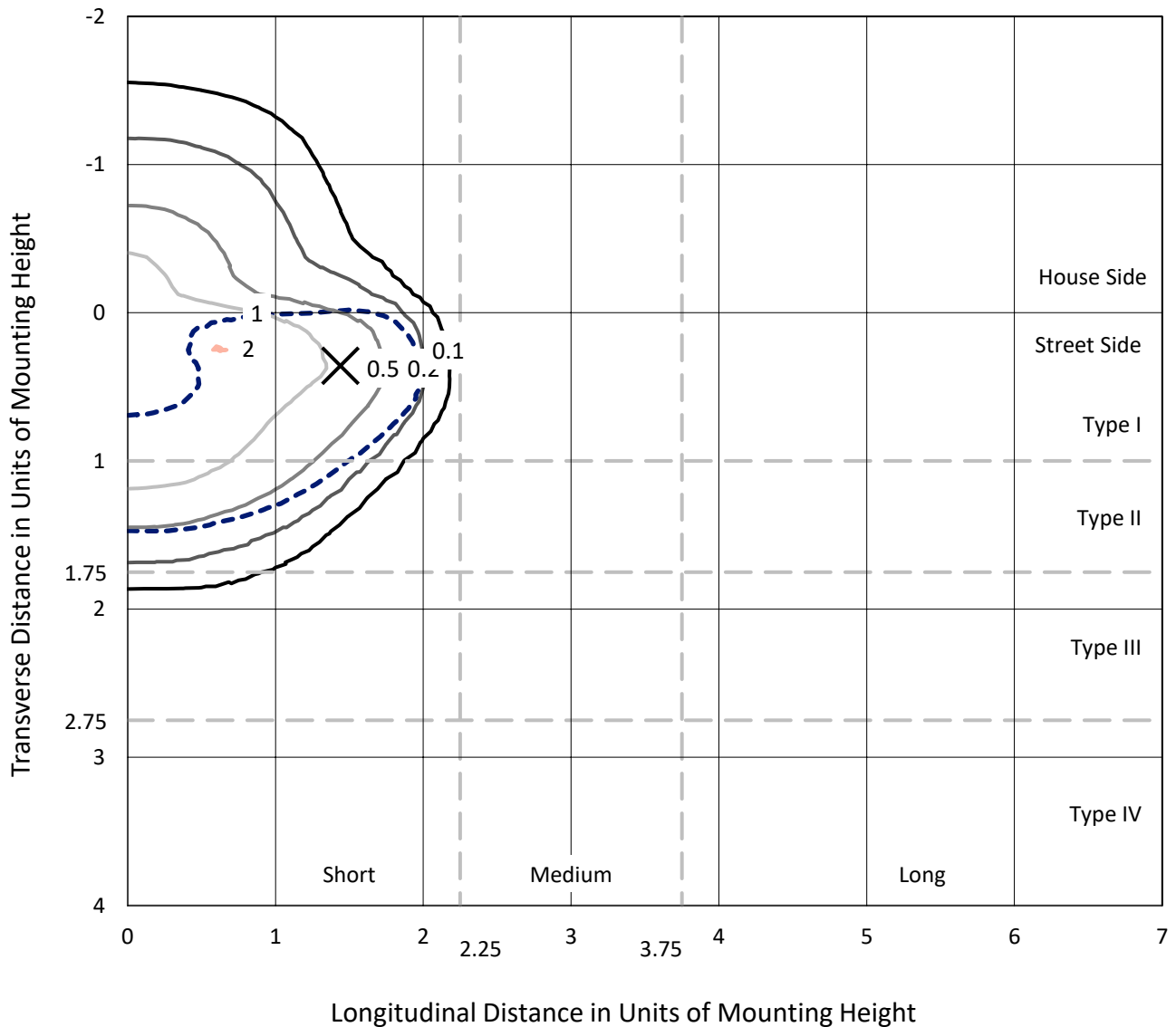
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

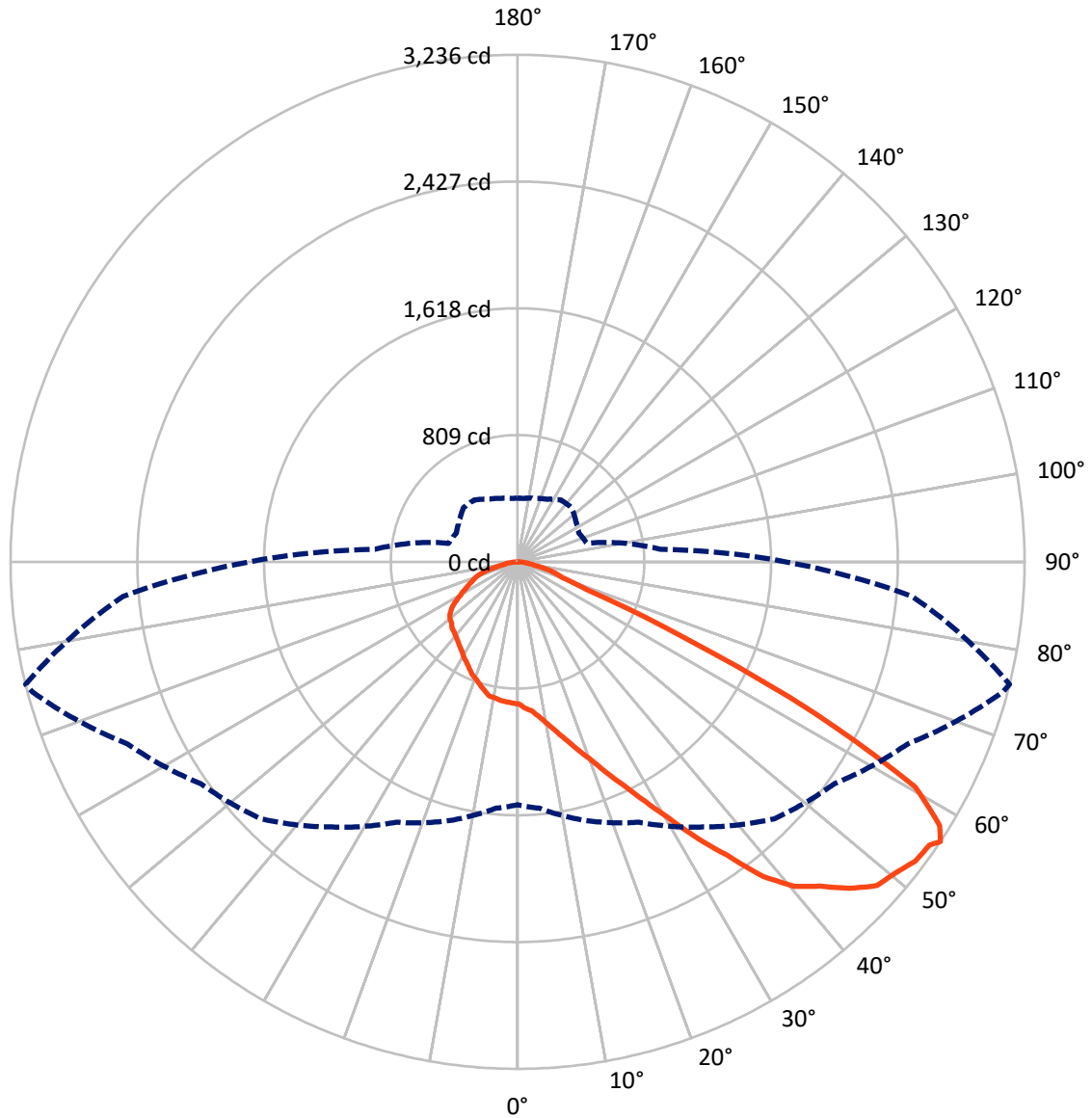
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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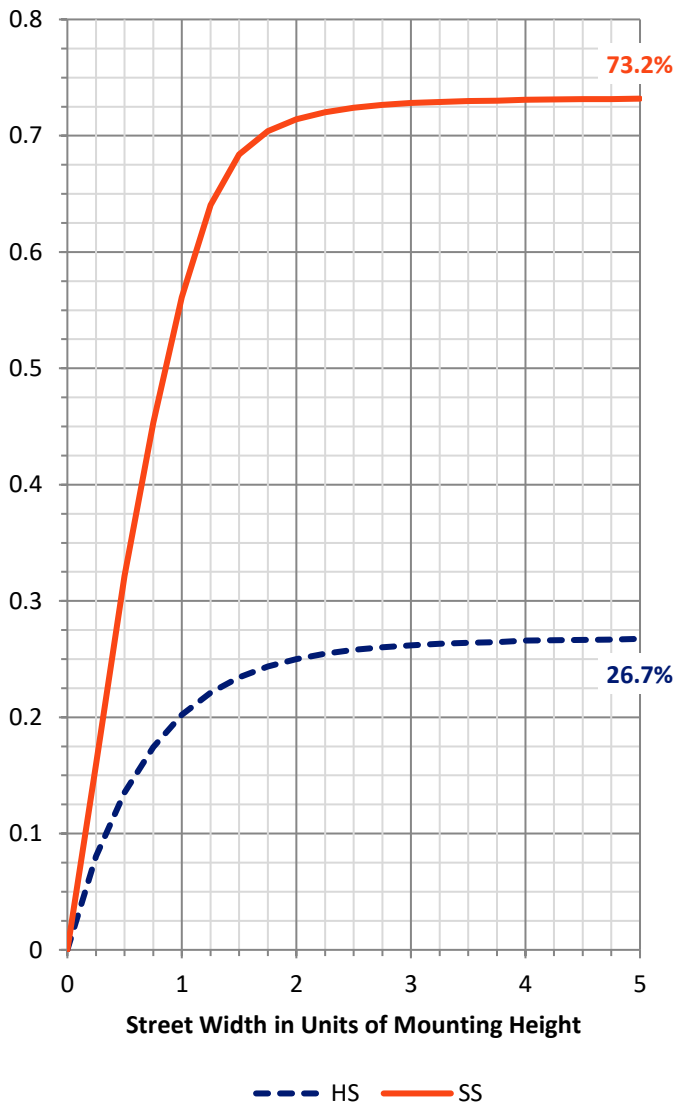
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1274.7	0.0	1274.7
	% Fixture	26.9	0.0	26.9
<b>Street Side</b>	Lumens	3466.3	0.0	3466.3
	% Fixture	73.1	0.0	73.1
<b>Total</b>	Lumens	4741.0	0.0	4741.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	90.0	1.9
10°-20°	282.6	6.0
20°-30°	494.2	10.4
30°-40°	773.8	16.3
40°-50°	1125.7	23.7
50°-60°	1237.2	26.1
60°-70°	552.2	11.6
70°-80°	159.5	3.4
80°-90°	25.9	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°	4741.0	100.0
0°-180°	4741.0	100.0

**Coefficient of Utilization**

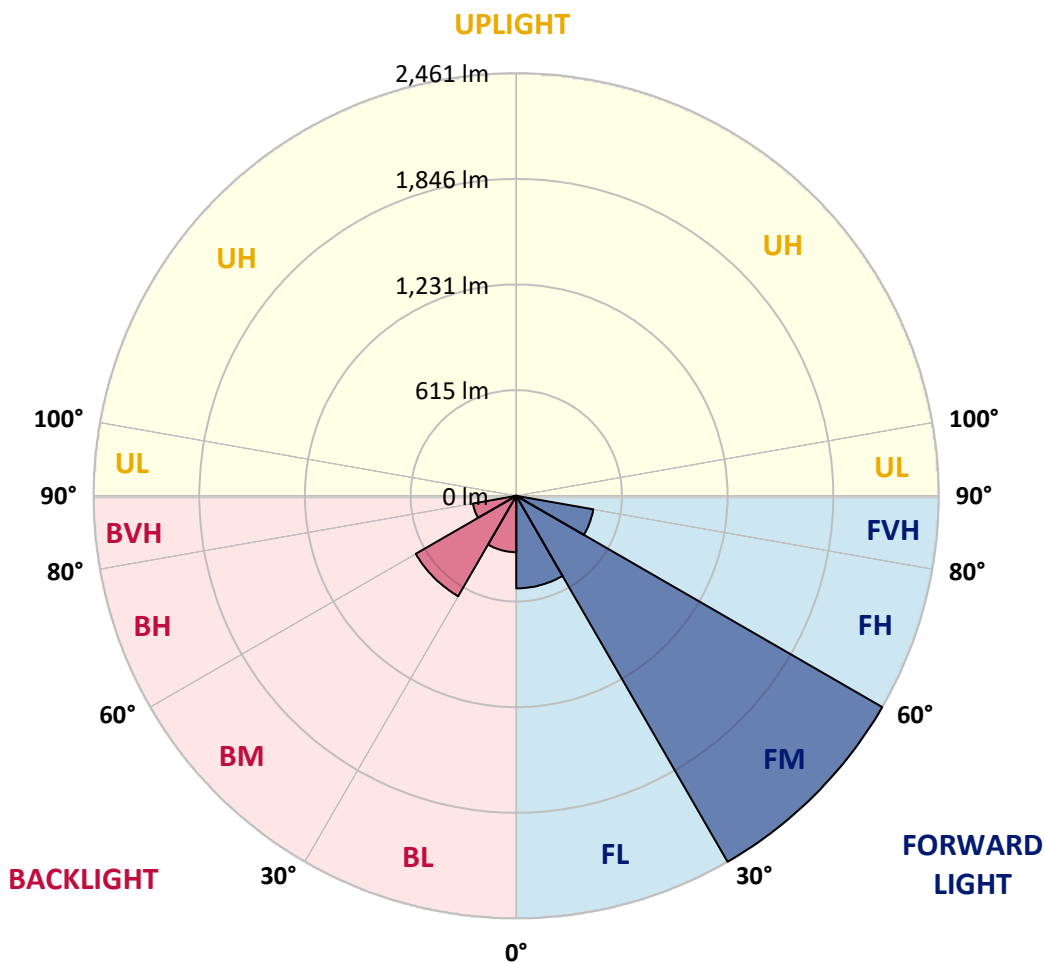


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	538.8	11.4			
FM (30°-60°)	2461.1	51.9			
FH (60°-80°)	455.2	9.6			G0/660
FVH (80°-90°)	11.1	0.2			G1/100
BL (0°-30°)	328.0	6.9	B1/500		
BM (30°-60°)	675.5	14.2	B1/1000		
BH (60°-80°)	256.5	5.4	B1/500		G1/500
BVH (80°-90°)	14.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1
2.5°	999.3	983.3	982.1	977.8	980.3	969.2	957.5	942.2	926.2	936.0	912.7
5°	1069.4	1047.9	1056.5	1041.7	1043.6	1028.8	1004.8	987.0	967.4	955.7	939.1
7.5°	1094.0	1095.8	1102.0	1099.5	1087.2	1087.2	1071.2	1039.9	1005.5	998.7	971.0
10°	1127.2	1127.8	1121.0	1122.8	1140.1	1132.1	1117.9	1104.4	1060.2	1052.2	1003.0
12.5°	1138.8	1127.8	1138.8	1148.7	1168.9	1180.0	1176.9	1167.1	1119.8	1114.2	1042.3
15°	1140.7	1133.9	1143.1	1165.3	1183.1	1229.8	1253.1	1246.4	1183.7	1184.3	1086.6
17.5°	1132.1	1141.3	1145.0	1164.0	1205.2	1248.8	1316.4	1325.7	1274.0	1266.0	1142.5
20°	1143.7	1137.0	1141.9	1159.1	1213.8	1282.0	1370.5	1431.4	1358.9	1353.3	1200.3
22.5°	1188.6	1179.4	1178.2	1189.2	1228.6	1299.2	1427.7	1537.1	1462.1	1465.2	1272.2
25°	1223.6	1228.6	1224.3	1223.6	1248.2	1325.0	1503.3	1663.1	1602.2	1584.4	1357.0
27.5°	1283.9	1295.5	1286.9	1298.6	1293.1	1363.8	1557.4	1802.6	1753.4	1729.4	1433.8
30°	1367.5	1373.6	1365.6	1365.6	1349.0	1417.9	1606.5	1948.2	1928.0	1895.4	1524.2
32.5°	1477.5	1486.7	1470.7	1461.5	1459.0	1498.4	1695.0	2092.1	2126.5	2098.8	1644.0
35°	1623.1	1617.6	1598.5	1589.9	1556.7	1621.9	1826.6	2257.4	2347.7	2298.6	1789.1
37.5°	1751.6	1743.0	1741.7	1693.8	1701.8	1755.3	1938.4	2382.8	2562.2	2548.1	1942.1
40°	1871.4	1879.4	1892.3	1865.3	1853.0	1912.0	2068.7	2478.6	2728.8	2723.2	2060.1
42.5°	1999.9	1992.5	2015.2	1992.5	1974.1	2057.6	2210.1	2545.0	2875.0	2829.6	2183.6
45°	2186.1	2162.7	2170.7	2172.6	2159.0	2189.8	2268.4	2592.9	2977.7	2972.8	2274.0
47.5°	2341.6	2342.2	2328.7	2318.2	2277.0	2307.8	2333.6	2623.1	3095.7	3087.7	2309.0
50°	2399.3	2391.4	2430.7	2453.4	2455.9	2393.2	2384.6	2639.6	3157.7	3122.7	2344.0
52.5°	2191.6	2199.0	2261.1	2396.3	2474.3	2481.1	2444.2	2674.1	3182.9	3175.6	2372.3
55°	1763.9	1799.5	1901.5	2057.6	2242.6	2446.1	2508.7	2709.7	3196.5	3190.3	2497.7
56°	1550.6	1578.3	1711.0	1833.3	2065.6	2318.8	2468.2	2747.8	3206.9	3235.8	2527.2
57.5°	1248.2	1280.2	1375.4	1514.3	1788.4	2076.7	2356.3	2701.1	3166.3	3177.4	2548.7
60°	780.5	783.6	897.9	989.5	1182.5	1463.9	1798.3	2350.2	2930.3	2914.4	2289.3
62.5°	512.0	512.6	616.4	691.4	779.3	843.8	1058.3	1558.6	2162.1	2133.8	1629.9
65°	359.5	367.5	448.0	548.2	583.9	550.1	543.3	821.7	1207.7	1167.1	875.8
67.5°	263.0	263.7	334.9	442.5	494.1	418.5	339.9	401.3	478.1	476.9	405.6
70°	173.9	181.3	236.0	330.6	389.6	336.2	277.8	287.0	304.2	304.2	301.8
72.5°	101.4	108.2	144.4	209.6	218.8	210.2	220.0	245.8	256.9	256.3	253.2
75°	57.8	60.8	68.8	87.3	108.8	128.4	161.6	186.2	197.3	204.0	196.1
77.5°	33.8	35.6	40.6	49.8	56.5	69.4	87.9	105.1	119.8	118.0	119.2
80°	17.8	17.8	22.7	29.5	39.3	49.2	58.4	68.2	76.2	78.1	79.9
82.5°	10.4	11.1	14.8	21.5	28.3	35.0	44.9	51.6	59.0	59.6	60.8
85°	5.5	6.1	9.2	14.1	19.1	21.5	22.1	20.9	22.7	21.5	24.6
87.5°	1.8	1.8	3.1	2.5	2.5	3.1	3.7	3.7	4.9	4.9	4.9
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°	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1	907.1
2.5°	912.0	912.0	901.6	881.9	878.9	870.9	863.5	862.9	857.3	852.4	850.0
5°	929.3	910.2	894.8	877.0	856.1	846.3	835.2	822.9	818.0	822.9	822.3
7.5°	948.9	932.9	886.8	853.7	829.7	819.9	807.6	794.7	795.9	795.9	787.3
10°	968.0	946.5	872.7	830.3	795.3	787.9	781.1	786.1	792.2	793.4	787.9
12.5°	999.9	951.4	866.0	807.0	784.8	768.8	773.1	786.7	799.6	795.9	800.2
15°	1023.9	955.7	835.2	783.0	755.3	762.7	778.1	787.3	808.8	806.3	810.6
17.5°	1047.3	958.1	805.1	751.0	739.3	759.6	771.3	797.7	804.5	819.2	824.8
20°	1095.2	963.1	774.4	731.4	727.7	751.0	771.3	783.6	798.3	811.3	811.3
22.5°	1119.8	960.6	754.1	705.5	717.2	732.0	750.4	771.3	771.3	783.6	784.2
25°	1150.5	950.8	722.1	693.3	701.9	716.0	736.9	729.5	737.5	737.5	747.3
27.5°	1185.5	929.9	694.5	671.1	688.3	703.7	706.8	701.9	692.6	691.4	687.7
30°	1213.8	904.1	674.2	663.8	677.9	686.5	676.7	666.2	650.2	649.0	640.4
32.5°	1252.5	872.1	649.0	645.3	661.3	661.9	658.8	642.9	619.5	609.7	599.8
35°	1317.7	853.7	630.0	635.5	640.4	638.6	633.0	615.8	592.5	588.2	584.5
37.5°	1365.6	840.1	610.3	617.0	621.3	623.8	607.2	588.2	588.8	580.2	577.7
40°	1419.7	831.5	594.3	597.4	598.0	606.0	585.7	576.5	580.8	575.3	578.9
42.5°	1489.1	834.0	577.7	575.3	586.9	583.9	574.0	561.7	564.2	547.6	550.1
45°	1526.0	850.6	567.9	556.8	569.7	569.1	556.2	544.5	529.8	497.8	499.0
47.5°	1550.6	854.9	544.5	537.1	550.7	558.7	543.9	516.9	496.0	473.2	467.7
50°	1575.8	862.9	533.5	518.1	523.6	542.7	524.2	498.4	478.1	457.9	460.9
52.5°	1597.9	878.2	512.0	489.2	499.0	519.9	510.1	478.8	456.6	440.0	435.1
55°	1696.3	912.7	475.7	446.2	469.5	496.0	490.4	452.3	428.4	419.8	418.5
56°	1711.6	913.9	456.6	431.4	453.0	488.0	481.2	440.7	419.1	405.6	406.2
57.5°	1714.1	899.1	429.6	417.9	436.4	476.3	467.7	431.4	401.9	389.6	386.0
60°	1508.2	701.9	395.8	388.4	409.9	440.7	437.6	406.2	373.1	358.9	365.7
62.5°	1028.2	514.4	369.4	368.1	379.2	409.3	401.3	373.1	345.4	336.2	331.9
65°	598.6	390.3	343.6	338.6	347.9	363.8	369.4	339.9	311.0	304.8	303.0
67.5°	353.4	322.7	310.4	302.4	299.3	309.1	313.4	296.2	267.3	258.7	266.1
70°	295.6	287.0	287.6	274.1	266.7	260.0	256.3	240.9	216.9	205.9	202.8
72.5°	255.1	251.4	248.9	236.6	229.9	214.5	198.5	183.1	165.3	156.1	156.7
75°	194.8	193.6	194.8	188.7	177.0	164.7	150.0	130.3	116.8	105.1	107.6
77.5°	116.2	119.8	121.7	119.2	114.3	103.3	94.0	81.1	68.2	59.0	57.8
80°	79.9	83.0	86.0	83.0	78.1	70.1	60.2	50.4	41.2	36.3	35.0
82.5°	60.8	63.9	65.8	62.7	56.5	47.9	41.2	34.4	27.0	22.1	20.9
85°	22.1	25.2	24.6	29.5	32.0	30.7	26.4	20.3	15.4	11.1	10.4
87.5°	6.1	5.5	6.1	6.1	6.1	5.5	4.9	4.9	4.9	3.1	2.5
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)