

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: P318157

Luminaire Tested: **GAN-SA3B-760-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318157
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3B-760-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17120 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

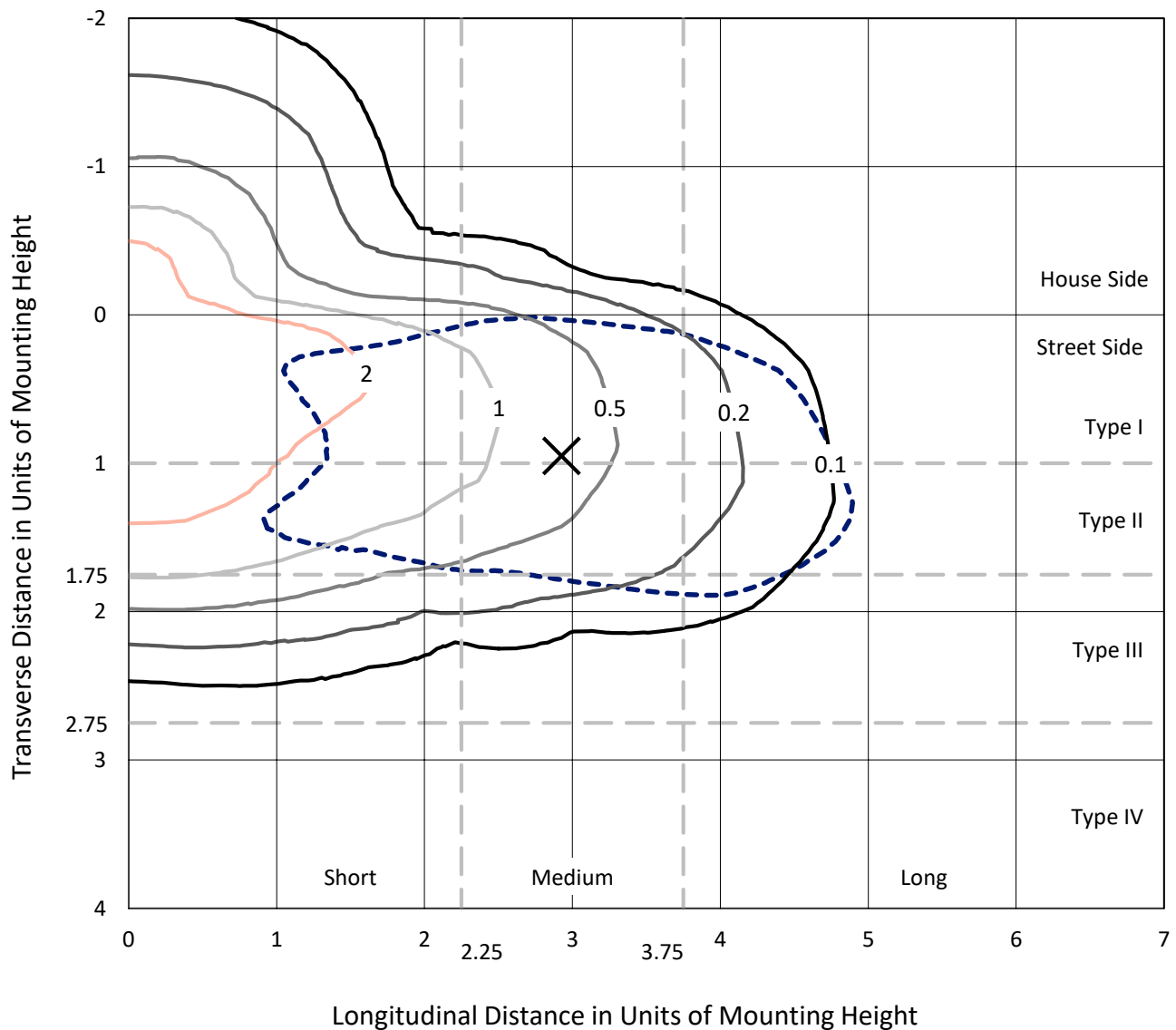
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

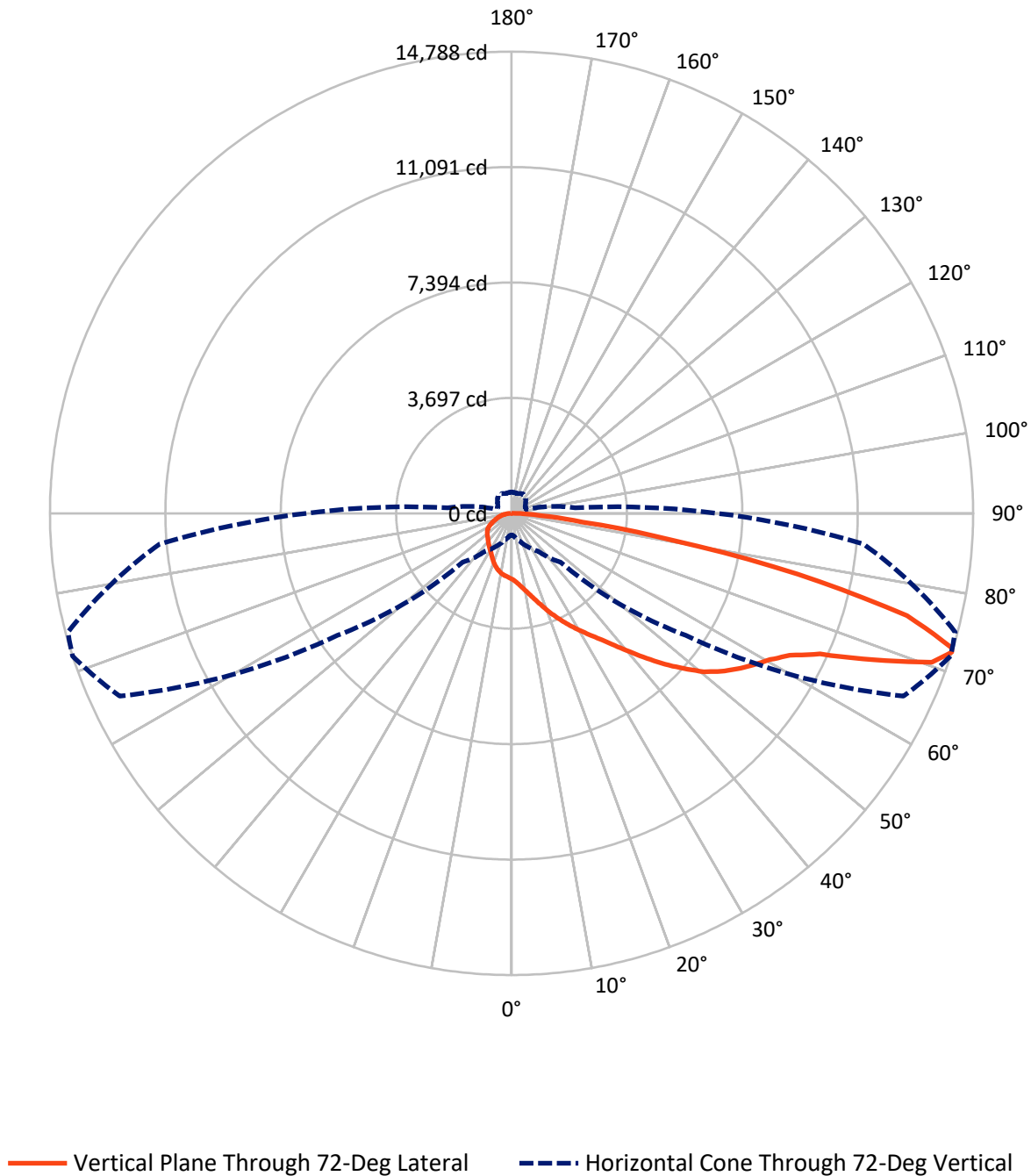
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3175.9	0.0	3175.9
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	13944.1	0.0	13944.1
	% Fixture	81.4	0.0	81.4
Total	Lumens	17120.0	0.0	17120.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.0	1.2
10°-20°	682.0	4.0
20°-30°	1195.1	7.0
30°-40°	1771.9	10.4
40°-50°	2591.6	15.1
50°-60°	3566.0	20.8
60°-70°	3970.0	23.2
70°-80°	2690.1	15.7
80°-90°	442.1	2.6
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°	17120.0	100.0
0°-180°	17120.0	100.0

Coefficient of Utilization



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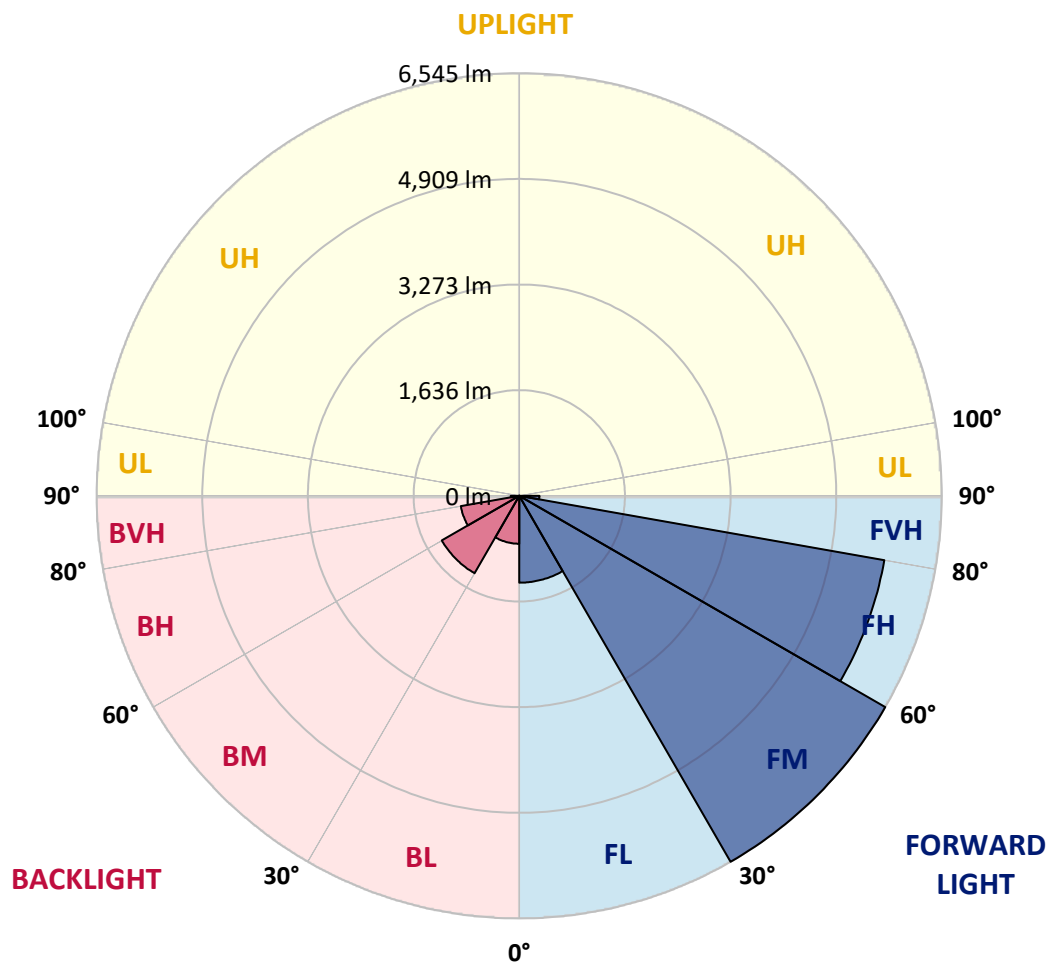
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1345.7	7.9			
FM	(30°-60°)	6545.2	38.2			
FH	(60°-80°)	5741.3	33.5			G3/7500
FVH	(80°-90°)	311.9	1.8			G3/500
BL	(0°-30°)	742.4	4.3	B2/1000		
BM	(30°-60°)	1384.4	8.1	B2/2500		
BH	(60°-80°)	918.8	5.4	B2/1000		G2/1000
BVH	(80°-90°)	130.3	0.8			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	2106.2	2106.2	2106.2	2106.2	2106.2	2106.2	2106.2	2106.2	2106.2	2106.2	2106.2
2.5°	2326.7	2323.1	2310.8	2310.8	2287.2	2267.1	2229.4	2204.1	2174.0	2163.4	2128.0
5°	2551.9	2553.0	2537.7	2527.1	2492.3	2449.9	2385.6	2327.3	2268.9	2245.3	2172.8
7.5°	2741.1	2738.7	2734.6	2725.7	2693.3	2649.7	2563.1	2476.4	2390.3	2355.0	2230.0
10°	2862.5	2867.8	2871.3	2875.5	2861.9	2830.7	2748.7	2643.2	2530.6	2482.3	2298.4
12.5°	2923.8	2933.2	2949.8	2978.0	3000.4	2996.9	2937.4	2825.4	2691.6	2630.8	2383.9
15°	2959.8	2972.2	2998.1	3048.8	3111.9	3147.8	3131.9	3030.5	2881.4	2806.5	2488.2
17.5°	2982.2	2992.2	3032.3	3100.1	3193.8	3289.3	3331.1	3246.3	3095.9	3010.5	2607.9
20°	2997.5	3005.2	3055.3	3134.8	3256.3	3408.4	3525.1	3503.9	3332.3	3221.5	2732.8
22.5°	3031.7	3038.2	3085.9	3166.1	3300.5	3496.8	3711.9	3743.8	3581.7	3456.1	2866.6
25°	3127.2	3127.2	3167.3	3223.3	3349.4	3573.4	3869.9	4010.8	3836.3	3690.1	2990.4
27.5°	3309.3	3307.6	3322.3	3341.8	3437.2	3651.2	4010.8	4246.6	4100.4	3940.7	3110.7
30°	3525.1	3536.9	3538.6	3529.2	3574.0	3748.5	4141.1	4495.4	4366.3	4194.1	3233.9
32.5°	3802.7	3810.4	3801.5	3770.3	3763.8	3886.4	4269.0	4755.9	4653.9	4458.8	3346.5
35°	4155.2	4140.5	4112.8	4049.1	3988.4	4070.9	4415.2	5016.5	4977.0	4778.9	3501.5
37.5°	4533.1	4533.7	4499.5	4355.1	4271.4	4306.7	4616.8	5311.8	5367.8	5159.7	3700.2
40°	4836.1	4852.0	4873.2	4683.4	4574.9	4623.9	4873.2	5654.3	5829.9	5611.2	3958.9
42.5°	5047.7	5066.0	5126.1	5007.0	4894.4	4985.2	5175.0	6019.8	6348.7	6132.3	4261.9
45°	5271.7	5281.7	5324.2	5272.9	5201.0	5405.5	5515.2	6398.2	6897.5	6687.6	4600.9
47.5°	5507.5	5518.1	5561.7	5527.5	5489.8	5798.1	5870.0	6754.8	7423.3	7297.7	4962.8
50°	5798.7	5805.8	5847.0	5785.1	5796.9	6094.0	6187.2	7082.0	7974.5	7846.0	5325.9
52.5°	6196.0	6197.8	6255.0	6199.0	6143.5	6311.0	6460.1	7390.3	8406.6	8345.8	5689.1
55°	6507.3	6526.1	6713.6	6701.8	6669.9	6507.8	6688.2	7683.9	8792.1	8821.0	6074.6
57.5°	6308.6	6382.3	6761.9	7029.5	7290.1	6997.7	6996.5	8014.5	9150.5	9287.2	6498.4
60°	5525.2	5625.4	6184.8	6778.4	7593.7	7850.1	7636.7	8418.3	9512.4	9749.4	7029.5
62.5°	3946.0	4111.0	4869.1	5817.0	7177.5	8414.8	8939.4	9059.1	10004.6	10284.6	7719.8
65°	1994.8	2119.8	2755.2	3897.0	5734.4	8045.8	10355.4	10462.1	10860.0	11108.7	8782.6
67.5°	1212.0	1259.1	1569.2	2167.5	3515.6	6267.3	10817.5	12800.5	12515.2	12647.3	10298.2
70°	893.1	927.8	1121.2	1439.5	2021.9	3677.8	9399.2	14469.3	14281.9	14267.1	11418.2
72°	695.6	720.9	891.9	1163.0	1478.4	2206.4	6812.6	13853.3	14787.7	14713.4	11315.6
72.5°	659.6	682.0	837.6	1094.7	1397.1	2000.1	6125.3	13437.8	14751.1	14717.5	11183.0
75°	519.3	535.2	620.1	846.5	1093.5	1134.7	3356.5	10413.7	13085.8	13629.9	10058.3
77.5°	429.7	432.1	476.9	616.0	852.4	802.3	1648.8	7225.2	9370.4	9968.7	7125.0
80°	350.2	353.1	374.3	432.1	644.9	593.6	782.8	4154.6	5246.4	5252.8	3388.3
82.5°	278.8	279.4	303.0	316.0	463.3	424.4	448.6	1950.6	2292.5	2205.2	1217.9
85°	196.3	192.2	295.9	259.4	303.0	272.3	247.6	772.2	947.9	906.6	381.4
87.5°	65.4	67.8	131.5	168.0	176.8	154.4	110.2	295.9	357.8	354.9	120.8
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°	2106.2	2106.2	2106.2	2106.2	2106.2	2106.2	2106.2	2106.2	2106.2	2106.2	2106.2
2.5°	2116.8	2098.0	2070.2	2039.6	2015.4	1990.7	1972.4	1963.0	1952.4	1943.5	1954.1
5°	2139.2	2103.8	2044.9	1987.1	1944.7	1907.0	1879.8	1865.7	1852.7	1843.9	1845.1
7.5°	2175.8	2118.6	2019.6	1935.3	1876.3	1835.6	1807.9	1798.5	1790.2	1787.9	1790.8
10°	2214.7	2130.4	1986.0	1874.0	1806.8	1773.2	1760.8	1767.3	1773.2	1778.5	1784.4
12.5°	2258.9	2141.0	1937.0	1802.0	1744.9	1731.9	1744.3	1772.6	1793.2	1805.6	1813.2
15°	2316.7	2150.4	1880.4	1730.1	1691.8	1706.5	1748.4	1797.3	1833.3	1856.3	1859.8
17.5°	2369.7	2149.8	1807.9	1657.6	1648.8	1691.8	1754.9	1823.8	1872.2	1904.6	1911.1
20°	2424.5	2133.9	1723.6	1586.9	1605.1	1675.9	1757.8	1840.9	1899.3	1937.0	1945.9
22.5°	2475.8	2106.2	1631.1	1522.6	1568.6	1654.7	1746.6	1830.9	1889.3	1919.9	1929.4
25°	2510.6	2057.9	1537.4	1468.4	1536.2	1628.7	1710.1	1777.9	1821.5	1836.8	1839.2
27.5°	2528.3	1994.8	1448.9	1421.2	1502.6	1586.3	1642.3	1675.9	1688.3	1687.1	1684.7
30°	2530.6	1911.7	1372.9	1382.9	1463.7	1523.8	1550.3	1543.8	1527.9	1500.8	1503.2
32.5°	2523.0	1818.0	1309.2	1346.4	1414.2	1447.8	1448.9	1417.7	1375.3	1332.2	1320.4
35°	2525.3	1726.0	1253.2	1305.1	1354.0	1368.8	1355.2	1309.2	1251.5	1196.1	1184.3
37.5°	2551.3	1645.8	1204.9	1257.4	1287.4	1291.0	1271.5	1223.2	1180.7	1126.5	1121.8
40°	2613.2	1588.6	1158.9	1203.7	1220.8	1222.6	1194.9	1160.7	1164.2	1135.3	1134.7
42.5°	2724.6	1563.9	1118.2	1147.7	1158.3	1161.9	1140.6	1118.8	1149.5	1130.6	1124.1
45°	2868.4	1569.8	1084.1	1092.9	1112.3	1128.9	1115.9	1089.4	1101.1	1019.2	992.1
47.5°	3034.6	1607.5	1056.9	1045.7	1079.3	1110.6	1090.5	1050.5	1008.6	927.2	911.9
50°	3229.2	1665.9	1032.2	999.2	1043.4	1085.8	1065.8	1008.6	945.5	906.0	900.7
52.5°	3431.9	1737.2	1007.4	947.9	998.0	1067.0	1056.9	999.2	921.4	882.4	875.4
55°	3661.8	1809.1	976.2	888.3	949.1	1058.1	1052.8	965.0	903.1	881.3	876.0
57.5°	3947.7	1891.0	934.9	826.4	903.1	1026.3	1009.8	944.3	884.2	867.7	865.9
60°	4320.3	2011.9	875.4	760.4	847.1	977.4	973.8	914.3	854.2	842.4	840.0
62.5°	4879.1	2211.7	793.4	694.4	784.6	894.2	926.7	873.6	822.3	821.7	822.9
65°	5745.6	2512.4	704.4	636.6	721.5	824.1	871.8	831.8	789.9	801.7	803.5
67.5°	6750.1	2761.7	617.2	580.0	657.3	757.5	822.3	789.9	746.9	777.5	778.1
70°	7084.4	2538.9	540.6	524.0	590.7	693.2	768.7	743.9	700.3	731.0	728.0
72°	6592.7	2049.6	491.0	481.6	540.6	640.2	720.9	700.9	657.9	678.5	670.8
72.5°	6437.7	1954.1	478.7	471.0	527.0	626.6	708.6	690.3	647.2	664.9	657.9
75°	5742.7	1697.1	411.5	413.2	459.8	560.6	639.0	633.1	588.9	590.7	588.3
77.5°	4165.3	1244.4	346.6	358.4	391.4	492.8	568.8	565.3	517.0	508.1	506.4
80°	1932.9	634.9	282.4	287.7	321.9	412.0	485.1	480.4	441.5	430.3	423.8
82.5°	662.0	301.8	212.2	215.7	249.3	331.9	420.9	417.9	385.5	363.7	350.2
85°	236.4	150.3	148.5	145.0	178.0	261.1	366.7	350.7	303.0	258.2	257.0
87.5°	76.6	64.3	76.6	76.0	103.7	176.8	266.4	226.9	219.9	182.7	179.2
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)