

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: P323525

Luminaire Tested: **GAN-SA1C-740-U-SL3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323525  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA1C-740-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6326 lumens  
Efficiency: N/A  
Efficacy: 107.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

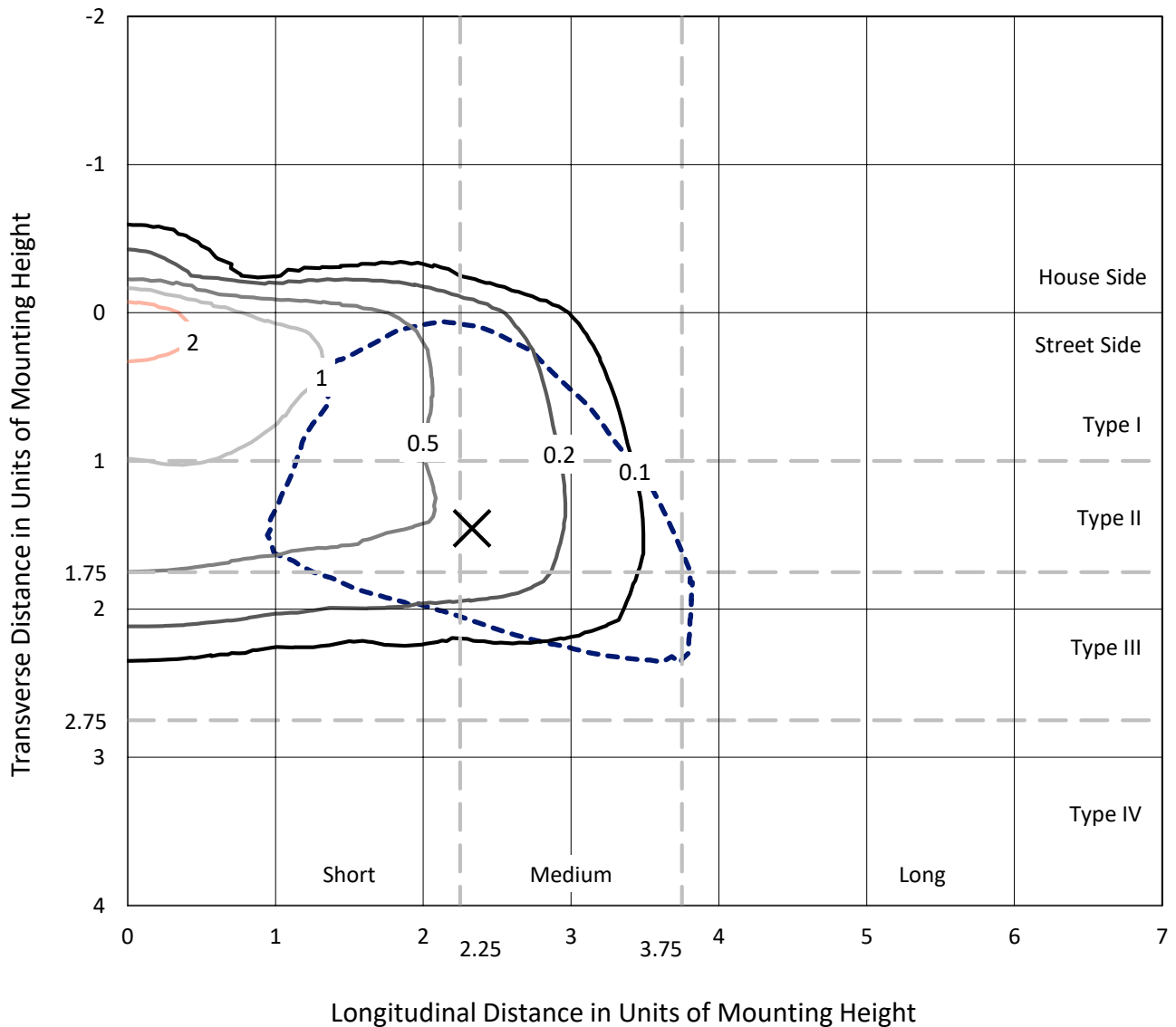
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

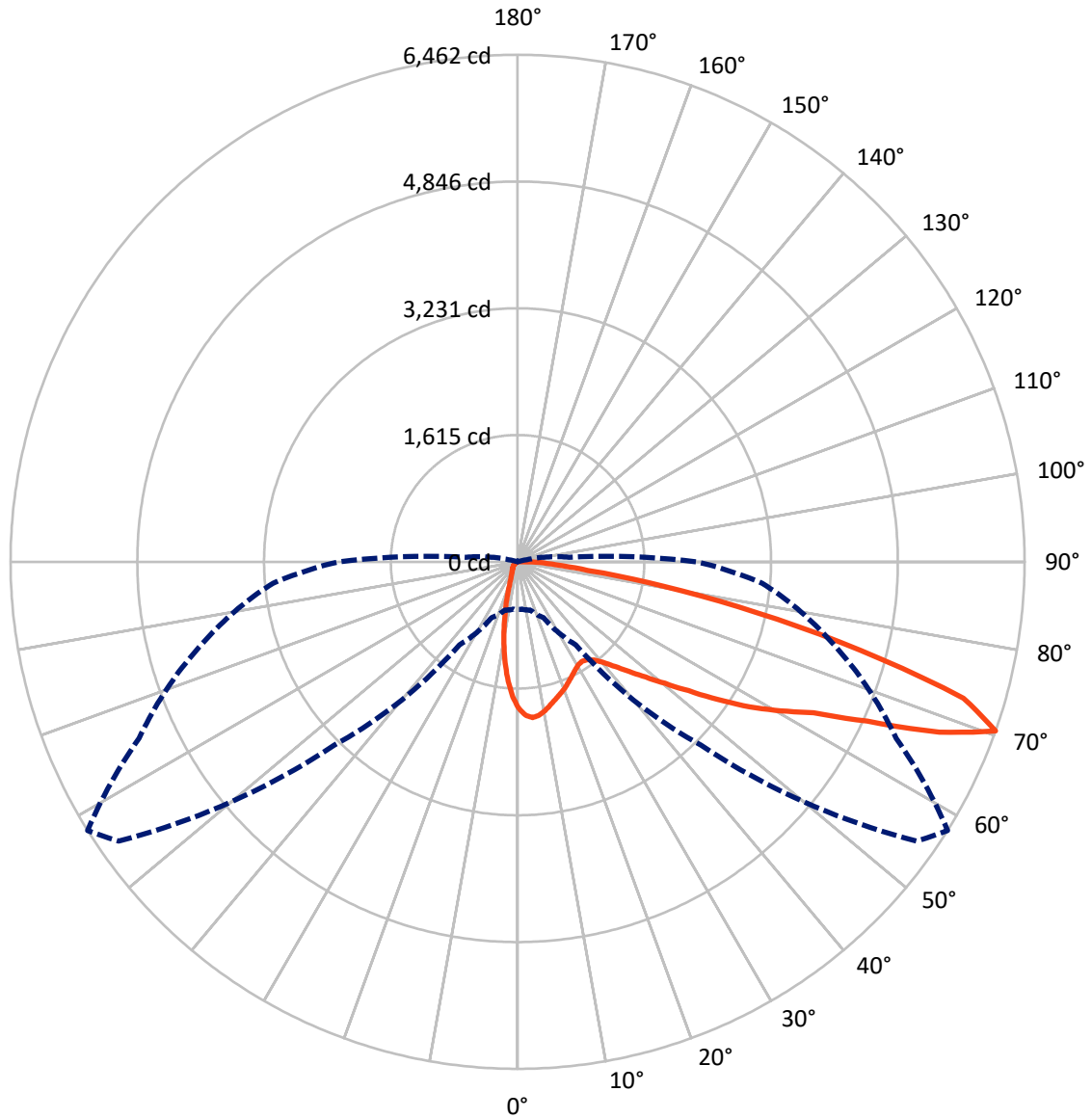
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	541.4	0.0	541.4
	% Fixture	8.6	0.0	8.6
<b>Street Side</b>	Lumens	5784.7	0.0	5784.7
	% Fixture	91.4	0.0	91.4
<b>Total</b>	Lumens	6326.0	0.0	6326.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	152.8	2.4
10°-20°	320.7	5.1
20°-30°	421.6	6.7
30°-40°	558.4	8.8
40°-50°	834.6	13.2
50°-60°	1337.0	21.1
60°-70°	1685.3	26.6
70°-80°	909.1	14.4
80°-90°	106.4	1.7
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°	6326.0	100.0
0°-180°	6326.0	100.0

**Coefficient of Utilization**

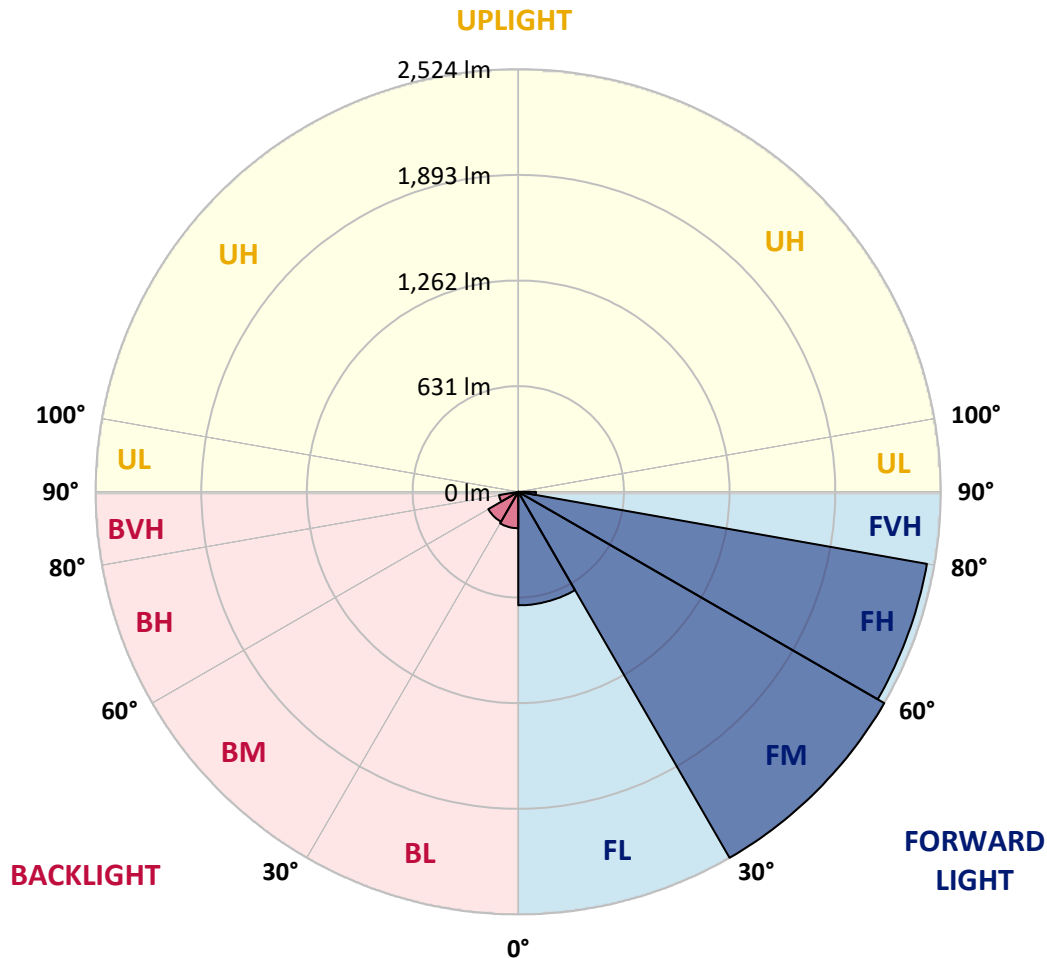


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	677.6	10.7			
FM (30°-60°)	2523.5	39.9			
FH (60°-80°)	2478.0	39.2			G2/5000
FVH (80°-90°)	105.5	1.7			G2/225
BL (0°-30°)	217.5	3.4	B1/500		
BM (30°-60°)	206.5	3.3	B0/220		
BH (60°-80°)	116.4	1.8	B1/500		G1/500
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1868.7	1868.7	1868.7	1868.7	1868.7	1868.7	1868.7	1868.7	1868.7	1868.7	1868.7
2.5°	2023.6	2018.6	2016.8	2013.6	2001.5	1989.7	1966.3	1959.7	1945.0	1910.0	1872.9
5°	2025.2	2024.9	2030.4	2029.1	2024.9	2019.4	2002.6	1993.9	1968.9	1918.9	1851.0
7.5°	1927.6	1932.6	1945.0	1954.9	1966.5	1981.5	1983.6	1975.2	1954.7	1900.8	1810.8
10°	1796.6	1804.5	1821.8	1841.6	1871.8	1901.8	1928.6	1927.6	1920.5	1867.4	1762.4
12.5°	1665.3	1674.5	1694.5	1723.7	1766.6	1815.5	1863.4	1870.0	1881.8	1837.4	1717.7
15°	1550.4	1558.3	1578.0	1613.8	1666.9	1732.7	1802.9	1815.0	1845.5	1814.0	1680.3
17.5°	1452.8	1457.8	1472.3	1512.0	1573.5	1653.2	1744.5	1768.2	1813.7	1795.5	1648.0
20°	1384.7	1385.5	1394.9	1422.8	1484.4	1573.5	1684.0	1717.9	1780.0	1779.8	1614.6
22.5°	1351.0	1348.4	1350.2	1366.3	1411.5	1497.5	1623.5	1663.8	1749.8	1766.3	1580.6
25°	1344.7	1342.6	1337.3	1339.4	1366.8	1431.0	1562.5	1609.0	1723.2	1758.2	1551.2
27.5°	1364.4	1366.5	1357.6	1348.1	1350.2	1387.8	1508.3	1562.2	1701.6	1758.2	1530.4
30°	1404.1	1405.2	1398.6	1386.2	1369.7	1375.7	1470.7	1524.6	1690.9	1770.3	1517.2
32.5°	1448.1	1453.8	1453.1	1443.1	1419.4	1394.9	1461.7	1510.9	1690.1	1797.1	1515.9
35°	1502.5	1509.1	1520.1	1518.0	1493.3	1453.1	1492.3	1530.9	1705.6	1841.3	1530.1
37.5°	1560.4	1570.4	1594.1	1605.4	1589.3	1543.8	1560.6	1588.3	1747.1	1912.9	1566.2
40°	1616.4	1627.7	1670.9	1715.3	1703.2	1656.4	1664.3	1686.4	1821.1	2015.7	1634.6
42.5°	1671.4	1688.2	1751.6	1824.7	1839.2	1801.9	1806.1	1823.7	1930.7	2157.2	1746.4
45°	1737.1	1756.1	1850.0	1940.2	1978.9	1962.6	1980.5	1992.0	2074.1	2344.3	1897.1
47.5°	1833.7	1855.5	1970.7	2073.6	2141.4	2152.0	2188.0	2195.6	2255.3	2562.1	2093.6
50°	2022.0	2028.1	2132.2	2225.6	2323.5	2386.6	2427.6	2433.4	2474.7	2800.1	2339.0
52.5°	2259.0	2263.0	2321.9	2384.5	2495.8	2624.7	2720.7	2728.8	2737.5	3032.1	2581.3
55°	2494.5	2493.9	2532.9	2569.7	2697.0	2884.3	3092.6	3097.6	3035.3	3252.3	2766.4
57.5°	2641.5	2655.7	2714.9	2762.2	2940.1	3180.2	3469.3	3487.7	3348.0	3415.4	2949.5
60°	2594.7	2601.5	2732.8	2908.0	3242.8	3600.8	3850.5	3855.2	3583.2	3578.2	3181.0
62.5°	2210.6	2214.3	2420.5	2781.7	3396.2	4146.4	4310.3	4233.2	3853.6	3804.2	3458.0
65°	1515.1	1539.1	1711.4	2157.8	3114.5	4488.6	5022.1	4894.5	4265.8	4129.8	3708.4
67.5°	892.2	887.3	972.5	1301.3	2287.4	4261.3	5922.5	5795.7	4827.9	4347.9	3635.0
70°	609.5	606.1	638.7	787.8	1291.3	3305.7	6205.8	6461.7	5324.3	4201.1	3128.4
72.5°	435.1	436.9	485.1	612.1	810.7	1926.0	5336.7	5942.4	5168.8	3662.4	2377.9
75°	295.4	300.4	369.3	502.2	710.7	979.8	3787.1	4517.3	4209.0	2661.8	1366.8
77.5°	158.9	164.4	245.7	404.6	642.6	680.8	2436.1	3108.9	2643.9	1196.6	396.1
80°	66.3	69.4	115.0	294.1	555.3	597.9	1433.3	1885.2	1126.6	236.0	88.4
82.5°	28.7	30.3	47.9	175.5	415.1	504.8	758.9	907.0	341.4	51.8	44.5
85°	5.5	5.8	19.7	92.9	264.9	284.9	491.9	482.2	153.4	22.4	32.4
87.5°	0.0	0.0	4.7	29.2	77.9	155.2	300.1	296.5	52.1	10.8	12.1
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°	1868.7	1868.7	1868.7	1868.7	1868.7	1868.7	1868.7	1868.7	1868.7	1868.7	1868.7
2.5°	1853.9	1835.8	1797.6	1750.6	1714.5	1674.8	1643.2	1603.3	1585.9	1586.7	1577.2
5°	1812.4	1775.0	1690.6	1584.1	1502.0	1417.3	1344.4	1271.8	1228.9	1215.0	1201.9
7.5°	1752.9	1693.7	1559.1	1394.9	1256.0	1120.3	1002.2	898.3	832.5	800.4	788.6
10°	1685.9	1602.7	1407.8	1191.6	993.3	809.7	656.6	523.5	470.3	434.3	425.1
12.5°	1626.9	1514.3	1260.0	983.0	747.6	526.1	380.1	297.2	261.2	247.0	244.6
15°	1571.4	1431.8	1117.7	794.1	517.7	323.8	241.7	213.6	205.2	202.8	202.8
17.5°	1519.1	1353.1	978.5	608.2	342.5	227.0	200.2	193.9	191.2	191.0	191.2
20°	1464.4	1274.5	841.7	445.6	239.1	192.3	184.9	181.5	180.7	180.7	180.7
22.5°	1412.0	1195.8	708.6	318.3	191.8	175.5	171.8	169.4	168.6	168.3	167.8
25°	1361.8	1121.1	578.7	224.9	168.3	160.7	157.6	154.4	152.0	150.7	149.9
27.5°	1320.5	1054.5	457.7	180.4	152.0	145.5	141.5	136.8	131.0	128.4	127.3
30°	1287.6	993.8	352.7	152.3	136.8	130.2	124.2	116.0	107.6	103.1	102.9
32.5°	1261.8	934.1	267.8	134.7	123.1	115.0	106.3	96.0	86.3	81.3	81.0
35°	1249.2	881.5	204.6	121.8	111.0	100.7	90.0	78.7	69.2	64.4	63.9
37.5°	1257.6	837.0	159.7	111.0	100.7	88.9	76.3	64.4	56.0	51.8	51.6
40°	1288.4	808.6	129.7	101.8	92.1	77.6	63.9	52.9	45.8	42.4	42.1
42.5°	1353.9	798.1	110.7	94.2	83.6	67.1	53.1	43.7	37.1	34.7	34.2
45°	1463.3	813.6	97.9	86.8	75.0	57.1	43.9	35.8	30.0	28.1	27.9
47.5°	1609.0	854.4	88.6	79.7	67.1	48.1	36.6	28.9	24.5	22.6	22.4
50°	1796.9	919.1	81.0	72.6	59.7	40.8	30.3	22.9	18.9	17.6	17.6
52.5°	2001.2	996.2	74.2	66.0	52.3	33.9	24.5	17.6	15.0	13.4	13.4
55°	2170.1	1063.5	66.8	61.0	43.4	28.1	18.7	13.4	11.0	10.3	10.3
57.5°	2338.7	1135.3	58.4	52.3	34.7	22.9	14.2	10.0	8.2	7.6	7.6
60°	2557.3	1223.2	50.2	42.6	27.4	17.4	10.5	7.1	6.1	5.8	5.8
62.5°	2797.7	1274.7	42.9	34.2	21.3	12.9	7.6	4.7	4.5	4.5	4.2
65°	2944.8	1201.9	36.0	27.4	16.6	9.7	5.0	3.4	3.9	3.7	3.2
67.5°	2757.2	940.9	29.5	21.3	12.9	7.4	3.2	2.4	4.2	3.4	2.6
70°	2283.0	658.7	22.9	15.0	10.3	6.3	2.1	1.6	4.5	3.4	2.1
72.5°	1708.5	440.9	18.2	10.0	7.6	5.5	1.8	0.8	3.9	2.9	1.8
75°	933.5	177.6	14.5	6.3	4.7	3.9	1.3	0.5	2.6	2.1	1.3
77.5°	245.7	46.8	10.5	4.2	2.6	1.6	0.8	0.3	1.3	1.1	0.5
80°	62.6	18.2	6.8	2.9	1.8	0.8	0.0	0.0	0.3	0.0	0.0
82.5°	33.4	7.6	4.2	2.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	25.3	5.0	2.4	1.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.7	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)