

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: P323156

Luminaire Tested: **GAN-SA2B-730-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2B-730-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8819 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

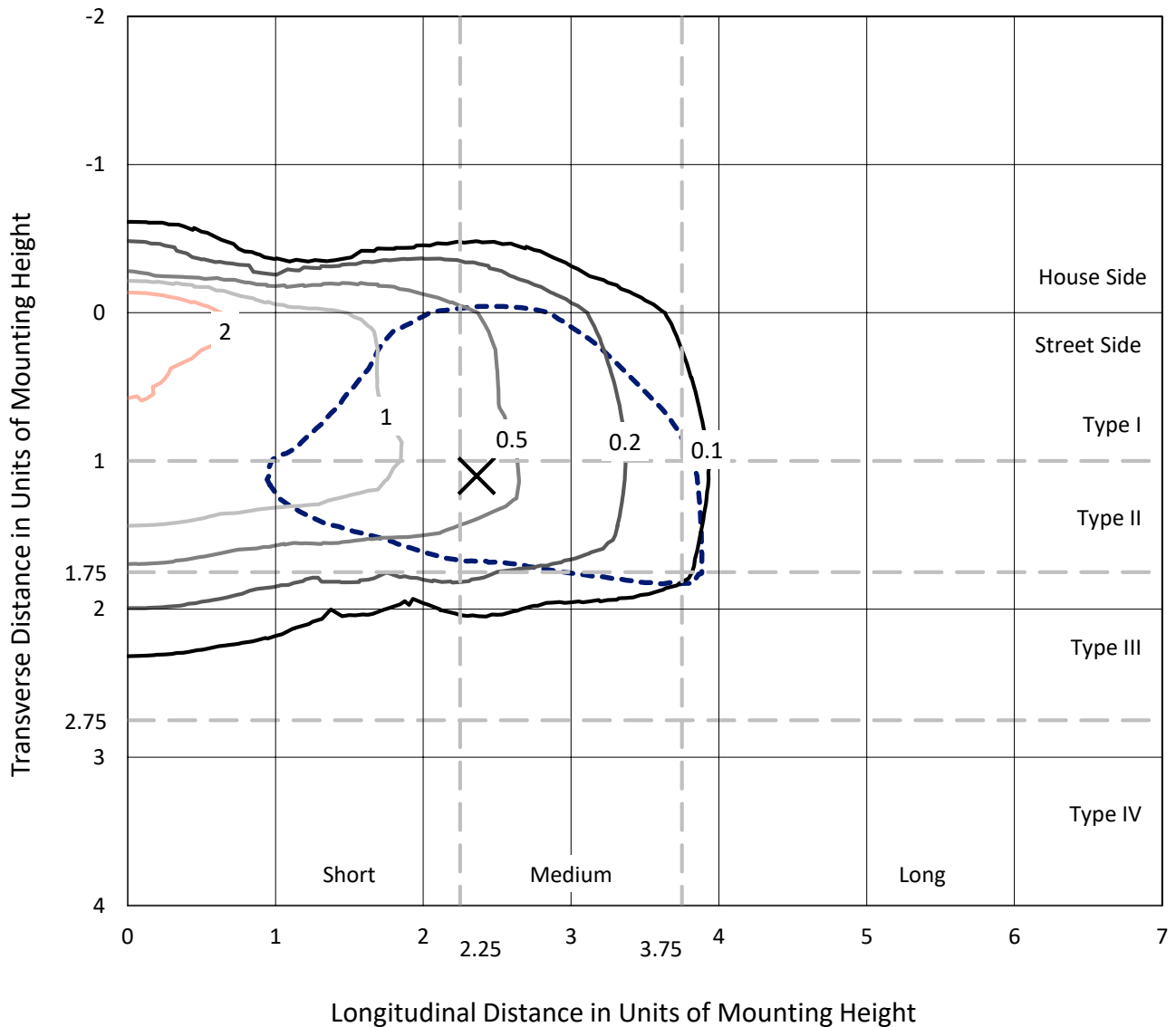
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

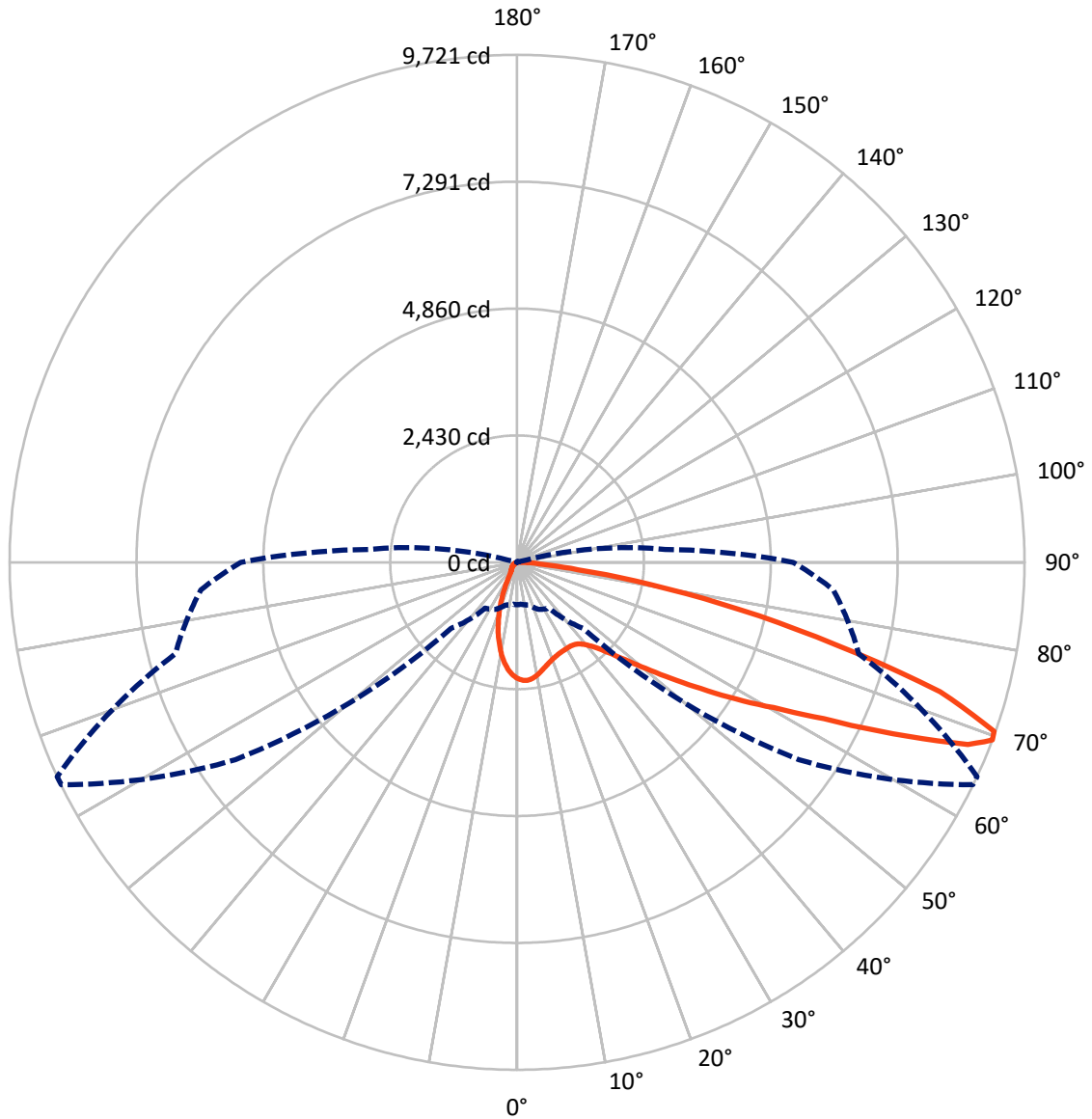
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1039.5	0.0	1039.5
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	7779.5	0.0	7779.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	8819.0	0.0	8819.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.4	2.1
10°-20°	407.9	4.6
20°-30°	565.0	6.4
30°-40°	787.8	8.9
40°-50°	1224.5	13.9
50°-60°	1965.8	22.3
60°-70°	2223.7	25.2
70°-80°	1306.0	14.8
80°-90°	151.9	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°	8819.0	100.0
0°-180°	8819.0	100.0

Coefficient of Utilization

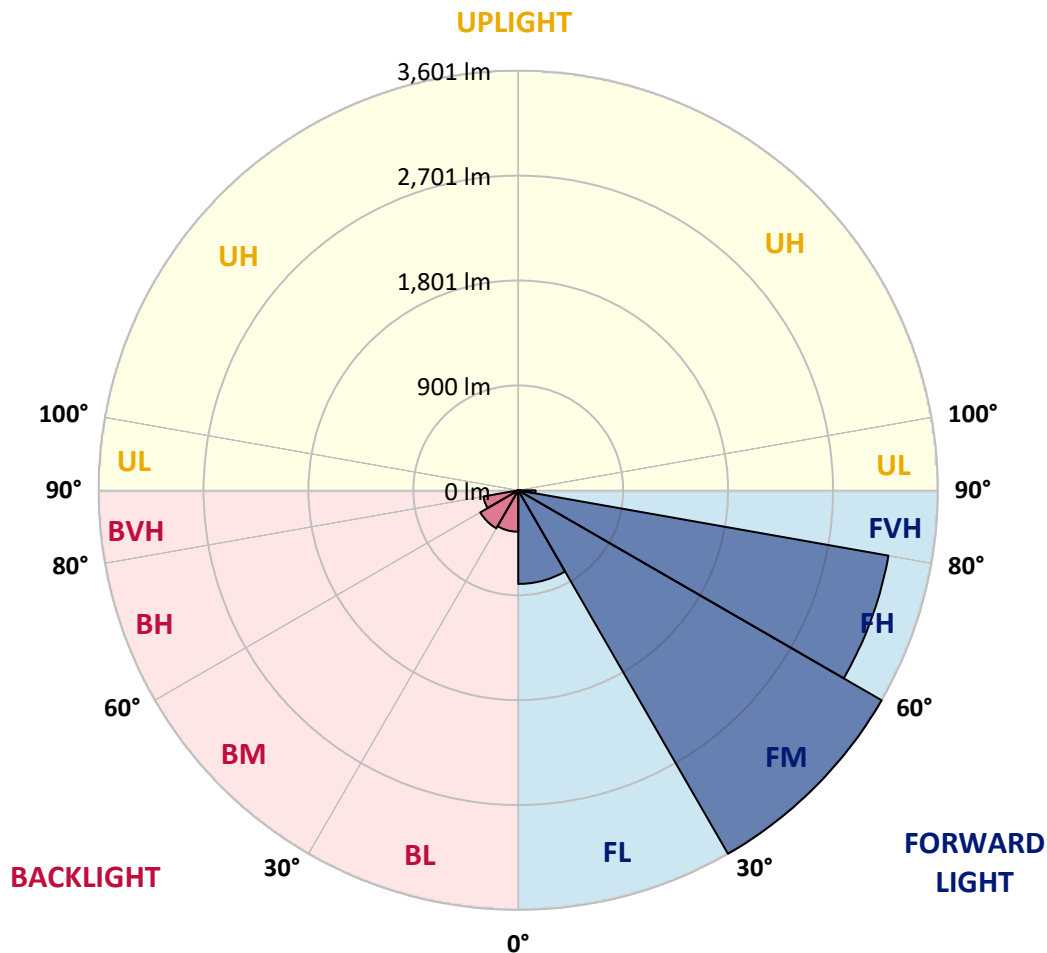


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	803.6	9.1			
FM (30°-60°)	3601.4	40.8			
FH (60°-80°)	3225.9	36.6			G2/5000
FVH (80°-90°)	148.5	1.7			G2/225
BL (0°-30°)	355.7	4.0	B1/500		
BM (30°-60°)	376.7	4.3	B1/1000		
BH (60°-80°)	303.7	3.4	B1/500		G1/500
BVH (80°-90°)	3.4	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°	64°	65°	75°	85°
0°	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6
2.5°	2248.4	2242.8	2247.2	2256.9	2261.8	2261.8	2265.5	2261.0	2262.5	2251.7	2236.0
5°	2107.7	2099.1	2111.4	2138.6	2172.2	2201.0	2243.5	2265.9	2268.1	2268.5	2250.2
7.5°	1956.2	1948.3	1966.6	1998.7	2042.0	2095.4	2169.6	2234.5	2238.3	2273.4	2259.9
10°	1833.0	1827.4	1848.7	1883.0	1933.8	1993.5	2084.5	2174.8	2185.7	2263.3	2258.4
12.5°	1735.2	1730.8	1750.9	1790.5	1842.3	1908.4	2003.6	2108.4	2123.0	2240.5	2251.0
15°	1664.0	1663.2	1680.0	1718.1	1775.5	1837.1	1934.5	2046.8	2063.6	2215.9	2249.8
17.5°	1626.7	1627.8	1640.1	1672.6	1721.8	1783.0	1876.3	1995.0	2013.3	2193.9	2255.4
20°	1622.9	1624.0	1630.8	1649.0	1689.0	1743.1	1828.9	1951.3	1970.3	2177.5	2264.4
22.5°	1655.8	1655.0	1656.9	1655.0	1677.4	1718.5	1797.6	1917.7	1939.7	2166.6	2271.5
25°	1718.8	1717.7	1717.0	1703.2	1688.2	1710.2	1784.5	1898.7	1919.6	2158.8	2275.6
27.5°	1806.5	1805.8	1804.7	1781.9	1737.1	1723.3	1786.0	1891.6	1909.1	2152.4	2274.8
30°	1921.8	1927.1	1925.6	1893.8	1824.1	1763.2	1801.7	1887.9	1903.2	2140.1	2267.0
32.5°	2057.3	2067.7	2075.9	2042.0	1954.7	1842.3	1837.9	1892.0	1903.2	2130.8	2252.8
35°	2198.0	2211.4	2241.6	2229.7	2114.8	1961.4	1900.2	1916.6	1925.9	2136.0	2246.1
37.5°	2336.4	2352.5	2418.1	2452.9	2324.5	2118.9	1997.2	1977.4	1982.3	2167.7	2253.6
40°	2497.3	2521.5	2621.2	2677.1	2574.9	2329.7	2142.4	2081.9	2083.8	2237.5	2288.3
42.5°	2708.5	2733.5	2841.3	2929.0	2857.0	2596.2	2339.4	2241.6	2239.8	2368.1	2370.0
45°	2966.0	2992.1	3103.7	3201.1	3168.6	2911.9	2591.7	2474.9	2472.6	2574.1	2524.9
47.5°	3257.8	3283.5	3383.2	3483.6	3518.6	3280.5	2913.0	2793.2	2788.0	2860.4	2764.1
50°	3508.2	3525.0	3616.8	3751.9	3910.1	3733.6	3312.6	3197.3	3191.7	3240.6	3115.2
52.5°	3599.2	3608.9	3702.2	3891.4	4286.2	4347.1	3837.7	3689.2	3685.1	3706.3	3582.8
55°	3414.9	3432.4	3547.0	3827.6	4490.0	5040.4	4500.4	4298.2	4267.2	4221.3	4071.7
57.5°	2912.6	2940.6	3063.7	3436.9	4394.8	5590.5	5474.4	4987.1	4941.5	4660.9	4469.1
60°	2182.3	2216.6	2318.9	2721.5	3886.9	5786.4	6538.7	5754.7	5652.0	5010.9	4834.4
62.5°	1497.5	1514.7	1584.1	1846.4	2862.6	5465.5	7429.1	6782.8	6595.4	5391.6	5229.6
65°	1143.8	1149.7	1178.1	1268.4	1704.6	4439.6	7783.2	8139.2	7912.7	5846.8	5639.7
67.5°	921.7	916.9	956.1	1085.2	1141.5	2708.5	7370.1	9422.6	9316.6	6455.5	6052.5
69°	812.8	806.0	846.0	996.0	1072.1	1790.5	6588.7	9714.0	9720.7	6776.8	6080.8
70°	731.4	735.9	775.4	943.0	1048.6	1405.4	5842.4	9639.8	9692.7	6896.9	5910.7
72.5°	488.5	500.4	579.9	782.9	1008.3	1063.5	3527.6	8272.1	8475.8	6626.4	5071.0
75°	275.4	284.4	378.8	590.4	950.1	1012.8	1863.2	6094.3	6291.3	5541.2	3910.5
77.5°	135.1	139.9	214.2	381.0	794.5	965.0	1056.8	4139.6	4364.6	3616.8	2211.8
80°	57.1	59.7	107.1	235.1	568.0	921.0	784.8	2547.6	2575.6	1416.9	589.2
82.5°	22.0	22.8	45.2	146.7	360.9	718.0	656.4	1208.0	1178.8	266.8	134.3
85°	2.6	3.0	16.4	88.1	200.8	369.4	533.3	520.6	481.8	53.0	69.0
87.5°	0.0	0.0	1.1	26.9	59.7	173.2	277.3	216.1	194.8	17.2	35.8
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°	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6	2228.6
2.5°	2223.0	2219.2	2199.1	2170.0	2142.4	2108.0	2075.2	2055.4	2039.8	2029.3	2041.6
5°	2228.9	2212.5	2151.3	2073.0	1996.1	1909.5	1828.9	1760.6	1733.8	1703.9	1717.3
7.5°	2227.1	2196.1	2086.0	1946.5	1805.4	1659.5	1521.4	1415.1	1359.8	1305.7	1319.5
10°	2217.8	2165.5	1998.7	1792.0	1580.8	1371.0	1175.1	1026.2	943.0	867.6	878.4
12.5°	2197.2	2124.5	1895.7	1615.1	1332.6	1056.1	826.6	635.9	533.6	488.5	494.1
15°	2184.9	2084.5	1786.7	1436.0	1067.6	735.5	505.3	375.8	329.1	314.2	316.1
17.5°	2178.9	2046.1	1674.0	1231.1	796.7	468.3	326.5	288.1	278.0	275.4	276.1
20°	2173.0	2007.3	1558.0	1028.5	548.9	315.0	268.3	257.1	253.4	250.0	250.8
22.5°	2162.9	1970.0	1433.3	823.2	370.2	255.6	241.8	231.0	223.2	219.1	219.8
25°	2150.6	1930.8	1306.1	613.1	270.2	228.0	214.9	199.6	190.3	182.9	183.2
27.5°	2130.8	1882.6	1174.7	446.3	226.9	204.1	186.6	169.8	154.1	145.5	145.5
30°	2103.2	1828.2	1028.8	319.4	203.4	180.6	159.3	138.4	121.7	113.8	113.1
32.5°	2072.6	1771.4	881.4	242.2	184.7	158.6	134.3	112.3	97.4	91.1	90.7
35°	2046.5	1710.2	734.4	203.0	166.1	137.3	110.8	92.2	80.2	75.0	74.6
37.5°	2029.7	1649.0	591.1	181.4	149.3	117.5	92.9	76.1	67.5	63.4	63.1
40°	2027.1	1603.5	460.1	164.9	133.6	100.0	77.6	64.6	56.7	52.2	51.9
42.5°	2061.0	1577.4	353.0	151.1	117.5	84.7	66.1	55.2	47.0	42.5	42.2
45°	2150.2	1585.6	271.7	138.8	101.5	71.6	56.0	45.9	38.4	35.1	34.3
47.5°	2312.9	1642.3	216.1	126.5	86.2	60.8	47.8	38.1	31.7	28.4	28.0
50°	2602.5	1775.5	180.6	113.1	72.0	51.9	39.6	31.0	25.7	22.8	22.4
52.5°	2986.9	2012.9	161.2	100.0	59.7	44.0	32.5	24.6	20.2	17.9	17.5
55°	3410.8	2300.2	148.5	85.8	48.9	36.6	25.7	19.4	15.7	13.8	13.1
57.5°	3824.6	2549.1	136.6	72.0	40.7	29.9	20.5	15.3	12.3	10.4	10.1
60°	4204.9	2777.9	122.8	57.8	33.2	23.5	16.0	11.9	9.7	7.8	7.8
62.5°	4612.0	2954.8	103.7	45.2	27.2	17.9	13.1	10.8	7.8	6.7	6.3
65°	5043.4	3086.1	81.4	35.1	21.3	13.4	10.8	11.2	6.3	4.9	4.5
67.5°	5362.1	3060.0	60.1	27.6	16.4	10.4	10.4	11.9	5.6	3.7	3.4
69°	5291.9	2847.7	50.4	23.9	14.2	9.0	9.7	11.9	5.2	3.4	3.0
70°	5088.6	2612.6	44.4	21.3	12.7	8.2	9.3	11.6	4.9	3.4	3.0
72.5°	4237.7	1967.7	34.7	16.0	10.1	6.7	7.8	10.1	4.9	3.4	2.6
75°	3187.6	1259.5	26.5	11.6	7.5	5.2	6.0	7.5	4.9	3.0	2.6
77.5°	1734.5	454.1	19.0	7.8	5.2	4.1	4.1	5.6	4.5	2.2	1.5
80°	445.9	114.2	11.9	5.2	4.1	3.0	2.6	3.7	2.6	0.4	0.0
82.5°	110.1	25.7	6.3	3.7	3.0	1.1	1.1	1.9	1.1	0.0	0.0
85°	60.5	12.7	4.1	2.6	1.5	0.0	0.0	0.4	0.0	0.0	0.0
87.5°	31.0	3.7	1.1	0.7	0.4	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)