

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P641515

Luminaire Tested: GWS-SA6B-722-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641515
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-722-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11682 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

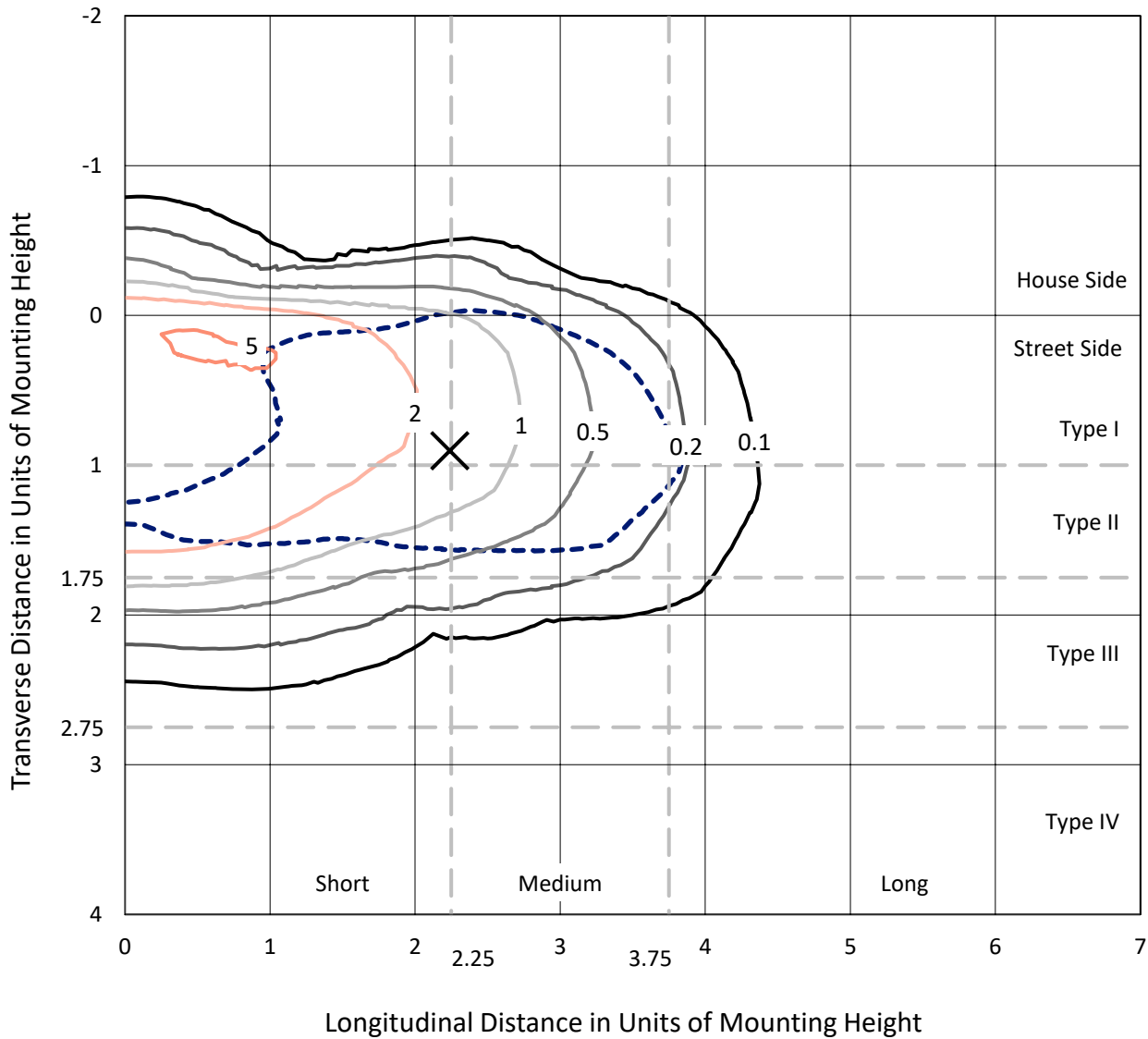
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

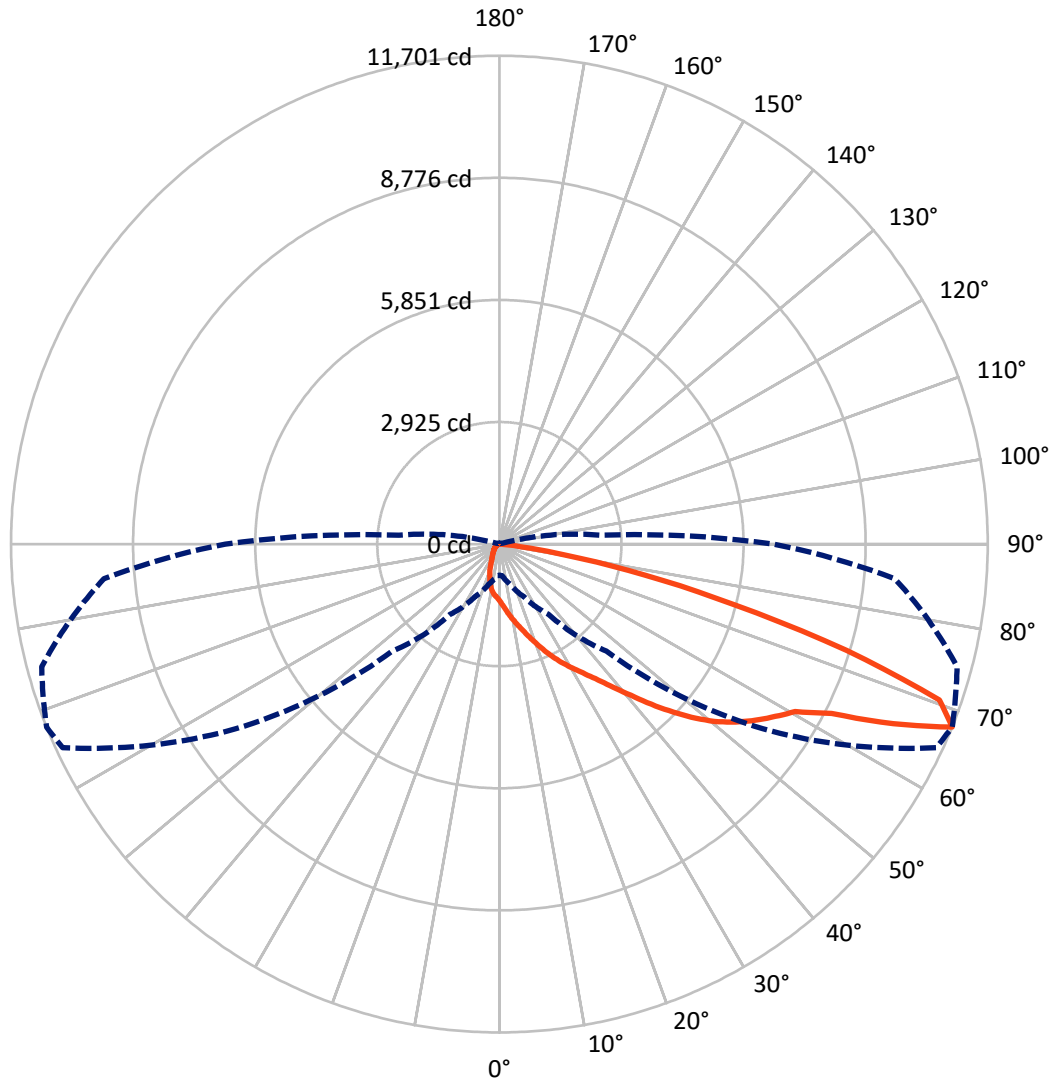
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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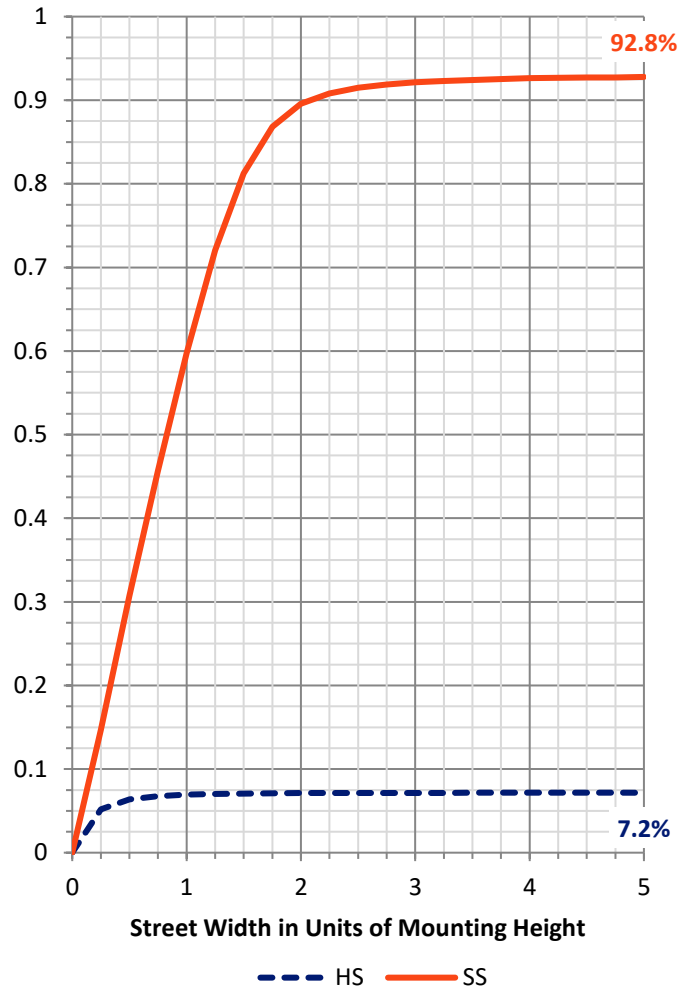
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	843.6	0.0	843.6
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	10838.4	0.0	10838.4
	% Fixture	92.8	0.0	92.8
Total	Lumens	11682.0	0.0	11682.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.6	1.1
10°-20°	380.8	3.3
20°-30°	654.3	5.6
30°-40°	1137.7	9.7
40°-50°	1985.1	17.0
50°-60°	2994.0	25.6
60°-70°	3002.2	25.7
70°-80°	1324.6	11.3
80°-90°	70.8	0.6
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°	11682.0	100.0
0°-180°	11682.0	100.0

Coefficient of Utilization



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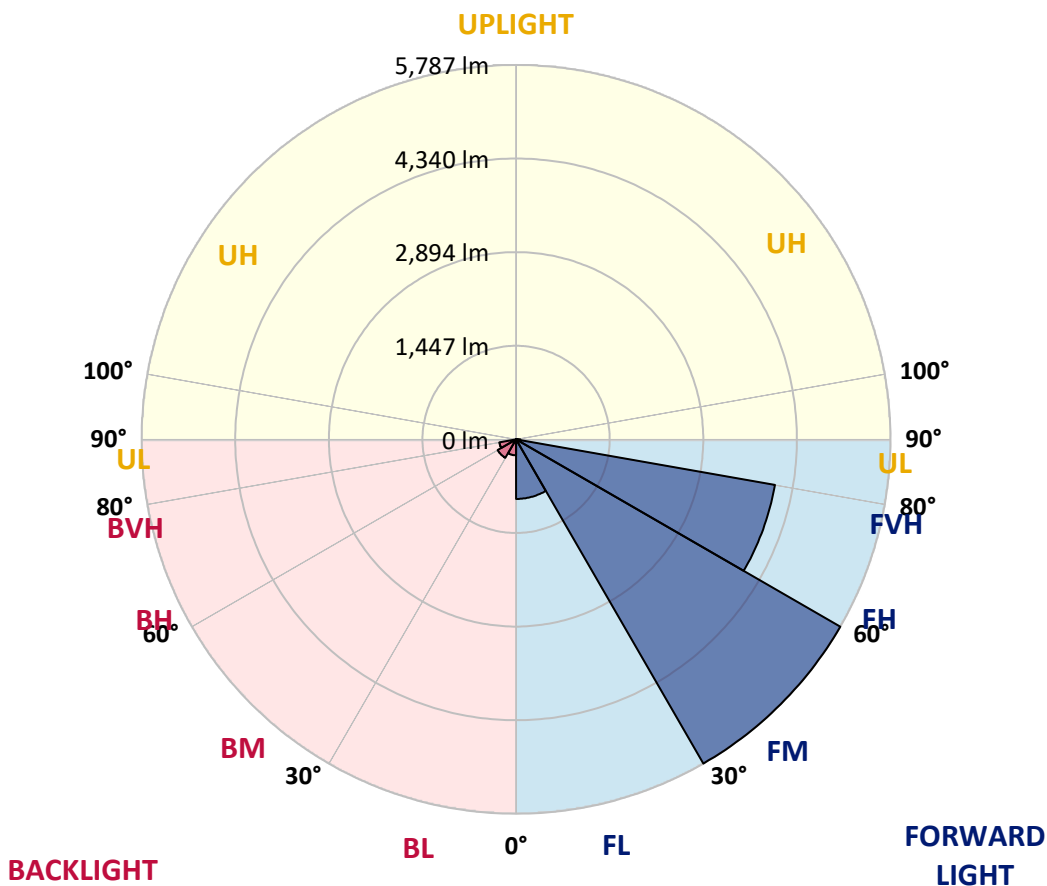
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	920.9	7.9			
FM (30°-60°)	5787.2	49.5			
FH (60°-80°)	4063.5	34.8			G2/5000
FVH (80°-90°)	66.8	0.6			G1/100
BL (0°-30°)	246.8	2.1	B1/500		
BM (30°-60°)	329.5	2.8	B1/1000		
BH (60°-80°)	263.3	2.3	B1/500		G1/500
BVH (80°-90°)	4.0	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	1359.5	1359.5	1359.5	1359.5	1359.5	1359.5	1359.5	1359.5	1359.5	1359.5	1359.5
2.5°	1583.1	1593.1	1583.1	1585.3	1556.3	1542.8	1513.8	1473.5	1463.5	1437.7	1398.6
5°	1776.5	1785.4	1775.4	1773.1	1739.6	1715.0	1666.9	1597.6	1577.5	1527.2	1450.0
7.5°	1881.6	1887.2	1890.5	1896.1	1883.8	1863.7	1820.1	1734.0	1712.8	1631.2	1522.7
10°	1892.8	1897.2	1914.0	1947.6	1972.2	1984.4	1959.9	1880.5	1846.9	1767.6	1612.2
12.5°	1861.5	1868.2	1895.0	1950.9	2019.1	2081.7	2097.4	2028.1	1997.9	1896.1	1717.2
15°	1820.1	1825.7	1862.6	1938.6	2041.5	2156.6	2221.5	2191.3	2157.7	2051.5	1833.5
17.5°	1756.4	1764.2	1815.6	1918.5	2051.5	2215.9	2355.6	2365.7	2342.2	2227.1	1962.1
20°	1720.6	1726.2	1772.0	1878.2	2044.8	2259.5	2480.8	2575.9	2550.2	2429.4	2109.7
22.5°	1750.8	1755.3	1785.4	1868.2	2022.5	2284.1	2597.1	2786.1	2771.5	2646.3	2265.1
25°	1909.5	1924.1	1906.2	1920.7	2032.5	2297.5	2691.0	2996.2	2999.6	2873.3	2426.1
27.5°	2231.5	2212.5	2170.0	2097.4	2110.8	2333.3	2771.5	3194.1	3223.2	3094.6	2569.2
30°	2559.1	2547.9	2522.2	2409.3	2315.4	2412.6	2839.7	3396.5	3442.3	3312.6	2696.6
32.5°	2926.9	2938.1	2892.3	2757.0	2597.1	2573.6	2910.2	3588.8	3674.9	3559.7	2846.4
35°	3366.3	3369.7	3279.1	3129.3	2948.2	2839.7	3036.5	3801.2	3960.0	3875.0	3046.5
37.5°	3794.5	3814.6	3765.4	3529.5	3368.5	3170.6	3245.6	4074.0	4297.6	4264.1	3298.1
40°	4173.5	4204.8	4189.1	3961.1	3749.8	3583.2	3569.8	4393.7	4705.7	4743.7	3630.1
42.5°	4475.4	4495.5	4507.8	4345.7	4159.0	4065.0	3970.0	4764.9	5187.5	5342.9	4037.1
45°	4794.0	4800.7	4826.4	4716.8	4553.6	4561.4	4442.9	5215.5	5695.1	6007.0	4504.4
47.5°	5199.8	5222.2	5209.9	5094.7	4947.1	5035.5	4931.5	5679.4	6196.0	6715.8	4982.9
50°	5694.0	5717.5	5706.3	5572.1	5407.8	5444.7	5379.8	6130.0	6678.9	7384.4	5380.9
52.5°	5948.9	5967.9	6106.5	6166.9	6080.8	5846.0	5762.2	6625.3	7087.0	7934.4	5746.5
55°	5825.9	5839.3	6141.2	6396.1	6711.4	6476.6	6146.8	7007.6	7447.0	8363.8	6018.2
57.5°	5316.1	5388.8	5799.1	6230.6	6893.6	7099.3	6770.6	7423.5	7793.6	8662.3	6285.4
60°	4270.8	4267.4	4855.5	5630.2	6538.1	7270.4	7651.6	7985.9	8141.3	8891.5	6643.2
62.5°	2360.1	2381.3	3163.9	4184.7	5549.8	6827.6	8312.3	8957.4	8933.9	9291.7	7203.3
65°	1175.0	1217.5	1642.3	2397.0	3692.8	5642.5	8426.4	10439.9	10372.8	10234.2	8360.4
67.5°	745.7	762.5	997.3	1393.0	2052.6	3626.8	7716.4	11545.6	11701.0	11352.2	9508.6
70°	483.0	510.9	693.2	952.5	1238.7	1869.3	5652.6	10828.9	11185.6	11229.2	8793.1
72.5°	262.7	282.9	442.7	679.7	894.4	934.6	3175.1	8126.7	8700.3	9525.4	6879.1
75°	149.8	164.3	242.6	461.7	656.3	569.1	1407.6	5440.2	5805.8	6807.5	4929.3
77.5°	90.6	102.9	136.4	224.7	411.4	380.1	532.2	3311.5	3544.1	4061.7	2587.1
80°	41.4	49.2	86.1	124.1	224.7	180.0	203.5	1544.0	1594.3	1666.9	856.4
82.5°	19.0	22.4	39.1	73.8	127.5	104.0	78.3	356.6	502.0	475.1	218.0
85°	2.2	2.2	14.5	30.2	35.8	26.8	32.4	80.5	101.7	143.1	62.6
87.5°	0.0	0.0	1.1	1.1	2.2	3.4	6.7	10.1	14.5	23.5	15.7
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°	1359.5	1359.5	1359.5	1359.5	1359.5	1359.5	1359.5	1359.5	1359.5	1359.5	1359.5
2.5°	1380.7	1349.4	1321.5	1280.1	1252.2	1220.9	1199.6	1173.9	1163.8	1156.0	1144.8
5°	1412.0	1361.7	1293.5	1217.5	1154.9	1095.6	1040.9	1005.1	973.8	969.3	953.7
7.5°	1463.5	1388.6	1273.4	1149.3	1043.1	944.7	867.6	805.0	773.7	763.6	745.7
10°	1531.7	1428.8	1243.2	1053.2	900.0	782.6	695.4	625.0	575.8	557.9	544.5
12.5°	1607.7	1465.7	1195.1	934.6	760.2	626.1	515.4	440.5	409.2	398.0	387.9
15°	1694.9	1500.4	1119.1	816.1	623.8	460.6	382.4	349.9	336.5	333.2	329.8
17.5°	1778.7	1522.7	1028.6	693.2	479.6	357.8	320.9	308.6	305.2	301.9	299.6
20°	1873.8	1538.4	922.3	576.9	372.3	303.0	285.1	276.1	269.4	262.7	261.6
22.5°	1971.0	1538.4	807.2	462.9	311.9	271.7	251.5	234.8	222.5	215.8	213.5
25°	2063.8	1517.1	693.2	370.1	275.0	241.5	215.8	196.8	180.0	172.2	169.9
27.5°	2129.8	1462.3	593.7	313.0	249.3	214.7	183.4	162.1	148.7	140.9	139.7
30°	2171.2	1380.7	502.0	279.5	227.0	186.7	155.4	137.5	127.5	121.9	119.6
32.5°	2202.5	1280.1	420.4	256.0	205.7	162.1	135.3	120.7	111.8	107.3	106.2
35°	2265.1	1185.1	360.0	234.8	183.4	142.0	118.5	107.3	100.6	95.0	93.9
37.5°	2352.3	1105.7	311.9	215.8	162.1	126.3	107.3	97.3	91.7	86.1	85.0
40°	2480.8	1055.4	276.1	196.8	143.1	114.0	98.4	89.4	81.6	76.0	74.9
42.5°	2678.7	1031.9	252.7	177.8	126.3	102.9	90.6	79.4	71.6	66.0	64.8
45°	2914.6	1044.2	232.5	158.8	115.2	95.0	80.5	69.3	61.5	55.9	54.8
47.5°	3167.3	1087.8	215.8	140.9	104.0	87.2	71.6	59.3	52.5	47.0	45.8
50°	3431.1	1159.4	201.2	124.1	95.0	78.3	61.5	51.4	44.7	40.2	39.1
52.5°	3660.3	1256.6	186.7	111.8	87.2	69.3	53.7	44.7	38.0	33.5	32.4
55°	3879.5	1348.3	175.5	100.6	78.3	60.4	47.0	38.0	32.4	27.9	26.8
57.5°	4117.6	1445.6	162.1	90.6	70.4	53.7	41.4	32.4	27.9	23.5	22.4
60°	4464.2	1589.8	142.0	82.7	61.5	47.0	35.8	29.1	24.6	19.0	17.9
62.5°	4963.9	1852.5	119.6	71.6	52.5	40.2	30.2	24.6	20.1	15.7	13.4
65°	5898.6	2299.7	98.4	59.3	42.5	33.5	25.7	20.1	15.7	11.2	10.1
67.5°	6571.6	2416.0	79.4	48.1	34.7	25.7	21.2	15.7	11.2	7.8	6.7
70°	5745.4	1735.1	61.5	39.1	29.1	20.1	16.8	12.3	7.8	5.6	4.5
72.5°	4328.9	1133.7	45.8	30.2	22.4	16.8	12.3	10.1	6.7	4.5	3.4
75°	3051.0	655.1	33.5	22.4	15.7	12.3	10.1	7.8	5.6	3.4	3.4
77.5°	1564.1	270.6	23.5	15.7	11.2	7.8	6.7	4.5	4.5	3.4	2.2
80°	475.1	89.4	13.4	10.1	7.8	5.6	3.4	3.4	3.4	2.2	1.1
82.5°	108.4	29.1	7.8	7.8	5.6	4.5	3.4	1.1	1.1	0.0	0.0
85°	27.9	8.9	6.7	5.6	5.6	4.5	2.2	1.1	0.0	0.0	0.0
87.5°	10.1	5.6	5.6	5.6	4.5	3.4	2.2	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)