

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: P636070

Luminaire Tested: GWS-SA3F-722-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636070
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-SA3F-722-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13490.7 lumens
Efficiency: N/A
Efficacy: 73.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

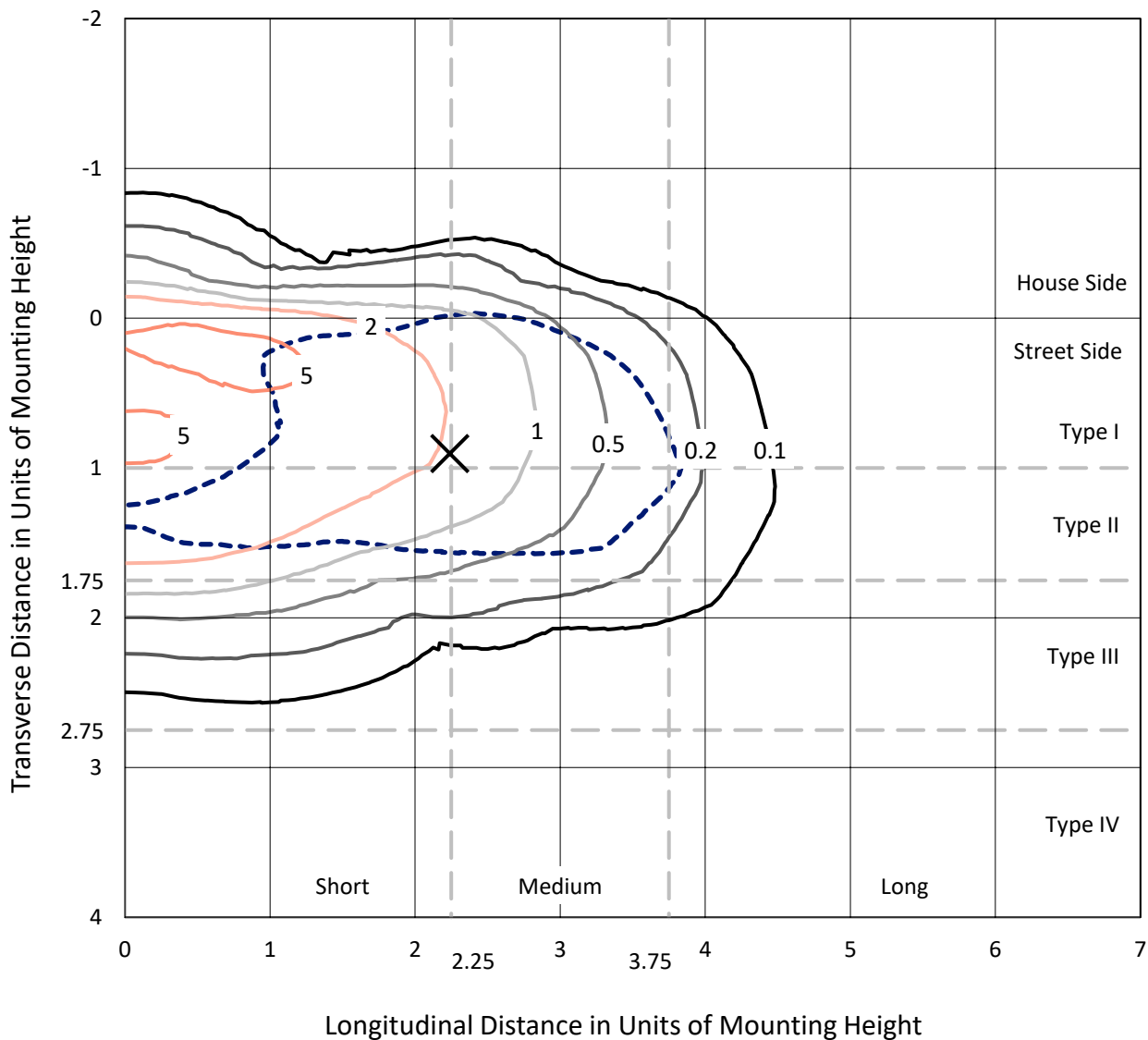
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

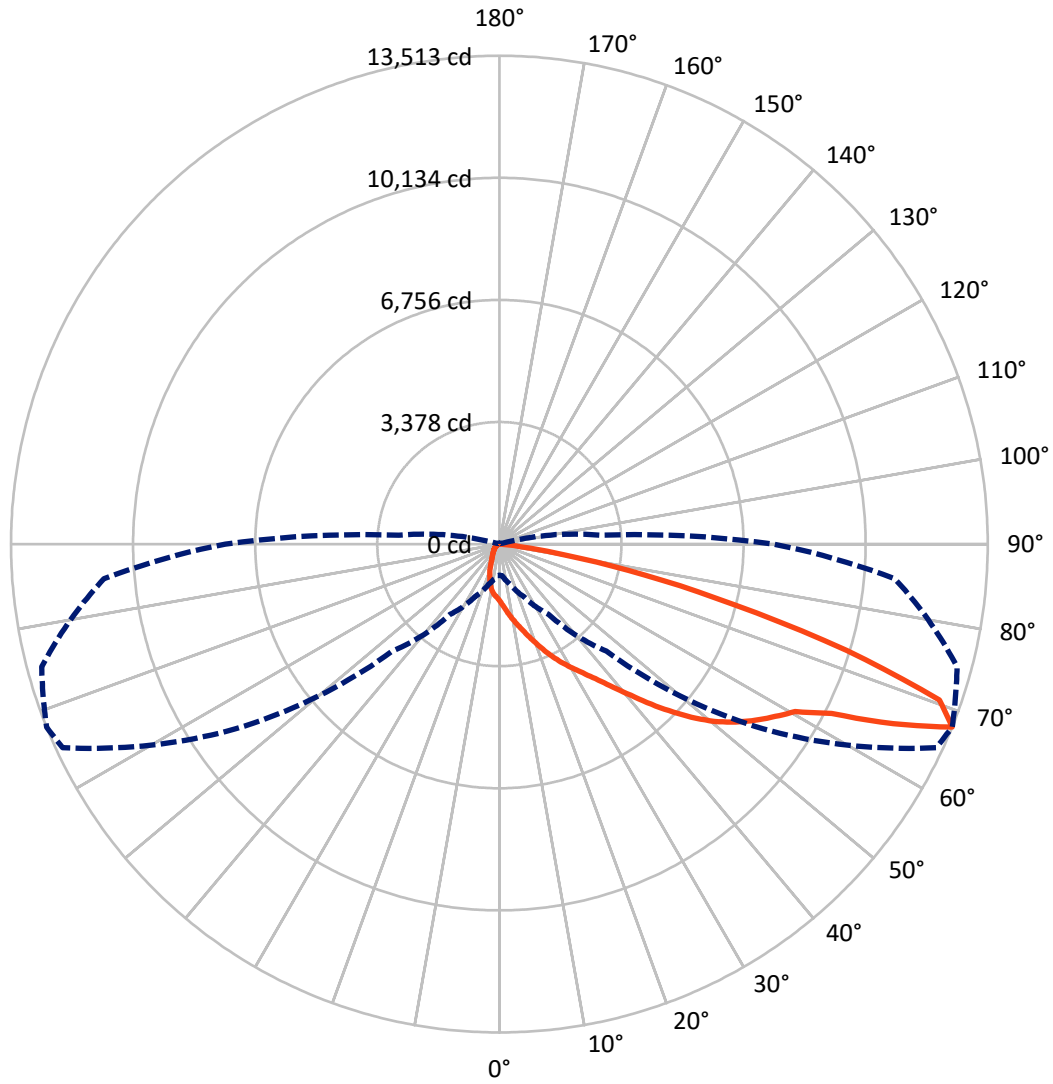
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.3 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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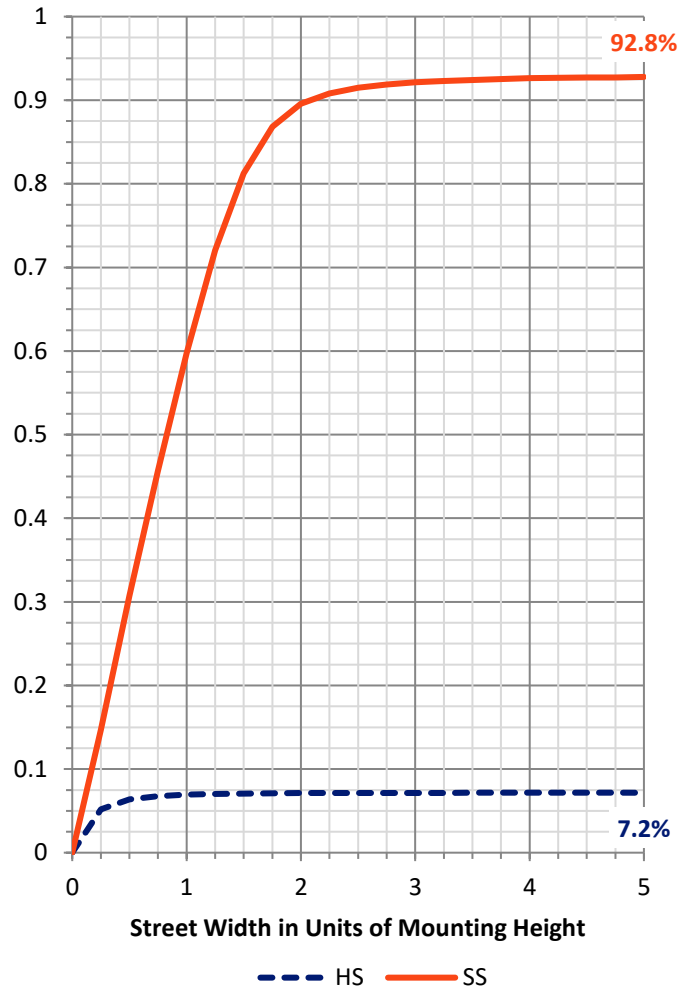
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	974.2	0.0	974.2
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	12516.5	0.0	12516.5
	% Fixture	92.8	0.0	92.8
Total	Lumens	13490.7	0.0	13490.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.1	1.1
10°-20°	439.7	3.3
20°-30°	755.6	5.6
30°-40°	1313.8	9.7
40°-50°	2292.4	17.0
50°-60°	3457.6	25.6
60°-70°	3467.0	25.7
70°-80°	1529.7	11.3
80°-90°	81.7	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°	13490.7	100.0
0°-180°	13490.7	100.0

Coefficient of Utilization



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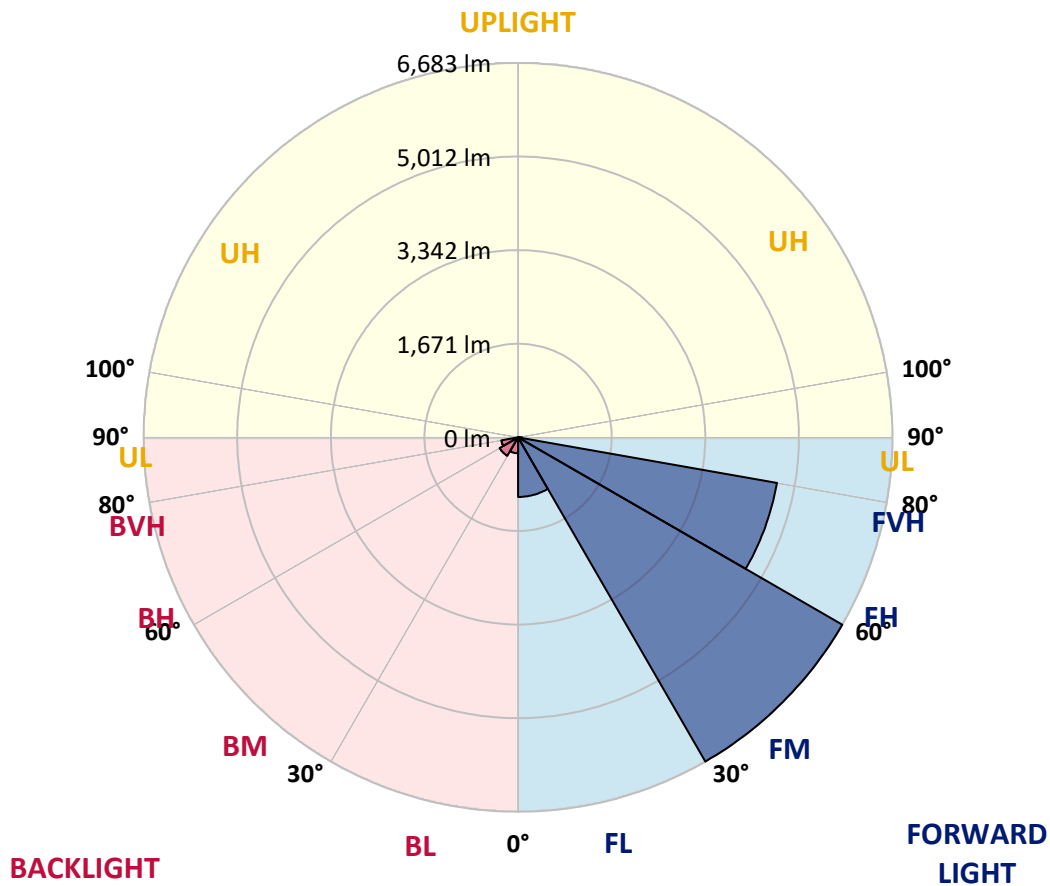
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1063.5	7.9			
FM (30°-60°)	6683.3	49.5			
FH (60°-80°)	4692.7	34.8			G2/5000
FVH (80°-90°)	77.1	0.6			G1/100
BL (0°-30°)	285.0	2.1	B1/500		
BM (30°-60°)	380.5	2.8	B1/1000		
BH (60°-80°)	304.0	2.3	B1/500		G1/500
BVH (80°-90°)	4.6	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°	1570.0	1570.0	1570.0	1570.0	1570.0	1570.0	1570.0	1570.0	1570.0	1570.0	1570.0
2.5°	1828.2	1839.8	1828.2	1830.8	1797.2	1781.7	1748.1	1701.7	1690.0	1660.4	1615.2
5°	2051.6	2061.9	2050.3	2047.7	2008.9	1980.5	1925.0	1845.0	1821.7	1763.6	1674.6
7.5°	2172.9	2179.4	2183.2	2189.7	2175.5	2152.3	2101.9	2002.5	1978.0	1883.7	1758.5
10°	2185.8	2191.0	2210.4	2249.1	2277.5	2291.7	2263.3	2171.6	2132.9	2041.2	1861.8
12.5°	2149.7	2157.4	2188.4	2253.0	2331.7	2404.0	2422.1	2342.1	2307.2	2189.7	1983.1
15°	2101.9	2108.4	2151.0	2238.8	2357.5	2490.5	2565.4	2530.6	2491.8	2369.2	2117.4
17.5°	2028.3	2037.4	2096.7	2215.5	2369.2	2559.0	2720.3	2732.0	2704.8	2571.9	2265.9
20°	1987.0	1993.5	2046.4	2169.0	2361.4	2609.3	2864.9	2974.7	2945.0	2805.6	2436.3
22.5°	2021.9	2027.0	2061.9	2157.4	2335.6	2637.7	2999.2	3217.4	3200.6	3056.0	2615.8
25°	2205.2	2222.0	2201.3	2218.1	2347.2	2653.2	3107.7	3460.1	3464.0	3318.1	2801.7
27.5°	2577.0	2555.1	2506.0	2422.1	2437.6	2694.5	3200.6	3688.7	3722.2	3573.8	2966.9
30°	2955.3	2942.4	2912.7	2782.3	2673.9	2786.2	3279.4	3922.4	3975.3	3825.5	3114.1
32.5°	3380.1	3393.0	3340.1	3183.8	2999.2	2972.1	3360.7	4144.4	4243.8	4110.9	3287.1
35°	3887.5	3891.4	3786.8	3613.8	3404.6	3279.4	3506.6	4389.7	4573.1	4474.9	3518.2
37.5°	4382.0	4405.2	4348.4	4076.0	3890.1	3661.6	3748.1	4704.8	4963.0	4924.2	3808.7
40°	4819.7	4855.8	4837.7	4574.4	4330.3	4138.0	4122.5	5074.0	5434.2	5478.1	4192.2
42.5°	5168.3	5191.5	5205.7	5018.5	4802.9	4694.4	4584.7	5502.7	5990.7	6170.2	4662.2
45°	5536.2	5544.0	5573.7	5447.1	5258.6	5267.7	5130.8	6023.0	6576.9	6937.1	5201.8
47.5°	6004.9	6030.7	6016.5	5883.5	5713.1	5815.1	5695.0	6558.8	7155.3	7755.6	5754.4
50°	6575.6	6602.7	6589.8	6434.8	6245.0	6287.6	6212.8	7079.1	7713.0	8527.7	6214.1
52.5°	6869.9	6891.9	7052.0	7121.7	7022.3	6751.1	6654.3	7651.0	8184.3	9162.9	6636.2
55°	6727.9	6743.4	7092.0	7386.4	7750.5	7479.3	7098.5	8092.6	8600.0	9658.7	6950.0
57.5°	6139.2	6223.1	6696.9	7195.3	7960.9	8198.5	7818.9	8572.9	9000.2	10003.4	7258.5
60°	4932.0	4928.1	5607.2	6502.0	7550.3	8396.0	8836.3	9222.3	9401.8	10268.1	7671.7
62.5°	2725.5	2750.0	3653.8	4832.6	6409.0	7884.7	9599.3	10344.3	10317.2	10730.3	8318.5
65°	1356.9	1406.0	1896.6	2768.1	4264.5	6516.2	9731.0	12056.3	11978.8	11818.7	9654.8
67.5°	861.2	880.5	1151.7	1608.7	2370.5	4188.3	8911.2	13333.2	13512.6	13109.8	10980.8
70°	557.8	590.0	800.5	1100.0	1430.5	2158.7	6527.8	12505.6	12917.4	12967.8	10154.5
72.5°	303.4	326.6	511.3	785.0	1032.9	1079.4	3666.7	9385.0	10047.3	11000.1	7944.1
75°	173.0	189.8	280.2	533.2	757.9	657.2	1625.5	6282.5	6704.7	7861.5	5692.4
77.5°	104.6	118.8	157.5	259.5	475.1	439.0	614.6	3824.2	4092.8	4690.6	2987.6
80°	47.8	56.8	99.4	143.3	259.5	207.9	235.0	1783.0	1841.1	1925.0	989.0
82.5°	21.9	25.8	45.2	85.2	147.2	120.1	90.4	411.9	579.7	548.7	251.8
85°	2.6	2.6	16.8	34.9	41.3	31.0	37.4	93.0	117.5	165.3	72.3
87.5°	0.0	0.0	1.3	1.3	2.6	3.9	7.7	11.6	16.8	27.1	18.1
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°	1570.0	1570.0	1570.0	1570.0	1570.0	1570.0	1570.0	1570.0	1570.0	1570.0	1570.0
2.5°	1594.5	1558.4	1526.1	1478.3	1446.0	1409.9	1385.3	1355.7	1344.0	1335.0	1322.1
5°	1630.7	1572.6	1493.8	1406.0	1333.7	1265.3	1202.0	1160.7	1124.5	1119.4	1101.3
7.5°	1690.0	1603.5	1470.6	1327.2	1204.6	1091.0	1001.9	929.6	893.4	881.8	861.2
10°	1768.8	1650.0	1435.7	1216.2	1039.3	903.8	803.1	721.7	664.9	644.3	628.8
12.5°	1856.6	1692.6	1380.2	1079.4	877.9	723.0	595.2	508.7	472.5	459.6	448.0
15°	1957.3	1732.7	1292.4	942.5	720.4	531.9	441.6	404.1	388.6	384.7	380.9
17.5°	2054.1	1758.5	1187.8	800.5	553.9	413.2	370.5	356.3	352.5	348.6	346.0
20°	2163.9	1776.6	1065.2	666.2	429.9	349.9	329.2	318.9	311.2	303.4	302.1
22.5°	2276.2	1776.6	932.2	534.5	360.2	313.7	290.5	271.1	256.9	249.2	246.6
25°	2383.4	1752.0	800.5	427.4	317.6	278.9	249.2	227.2	207.9	198.8	196.2
27.5°	2459.5	1688.8	685.6	361.5	287.9	247.9	211.7	187.2	171.7	162.7	161.4
30°	2507.3	1594.5	579.7	322.8	262.1	215.6	179.5	158.8	147.2	140.7	138.1
32.5°	2543.5	1478.3	485.5	295.7	237.6	187.2	156.2	139.4	129.1	123.9	122.7
35°	2615.8	1368.6	415.7	271.1	211.7	164.0	136.9	123.9	116.2	109.7	108.5
37.5°	2716.5	1276.9	360.2	249.2	187.2	145.9	123.9	112.3	105.9	99.4	98.1
40°	2864.9	1218.8	318.9	227.2	165.3	131.7	113.6	103.3	94.3	87.8	86.5
42.5°	3093.5	1191.7	291.8	205.3	145.9	118.8	104.6	91.7	82.6	76.2	74.9
45°	3365.9	1205.9	268.5	183.3	133.0	109.7	93.0	80.0	71.0	64.6	63.3
47.5°	3657.7	1256.2	249.2	162.7	120.1	100.7	82.6	68.4	60.7	54.2	52.9
50°	3962.4	1338.9	232.4	143.3	109.7	90.4	71.0	59.4	51.6	46.5	45.2
52.5°	4227.1	1451.2	215.6	129.1	100.7	80.0	62.0	51.6	43.9	38.7	37.4
55°	4480.1	1557.1	202.7	116.2	90.4	69.7	54.2	43.9	37.4	32.3	31.0
57.5°	4755.1	1669.4	187.2	104.6	81.3	62.0	47.8	37.4	32.3	27.1	25.8
60°	5155.4	1835.9	164.0	95.5	71.0	54.2	41.3	33.6	28.4	21.9	20.7
62.5°	5732.5	2139.3	138.1	82.6	60.7	46.5	34.9	28.4	23.2	18.1	15.5
65°	6811.8	2655.8	113.6	68.4	49.1	38.7	29.7	23.2	18.1	12.9	11.6
67.5°	7589.1	2790.1	91.7	55.5	40.0	29.7	24.5	18.1	12.9	9.0	7.7
70°	6634.9	2003.8	71.0	45.2	33.6	23.2	19.4	14.2	9.0	6.5	5.2
72.5°	4999.1	1309.2	52.9	34.9	25.8	19.4	14.2	11.6	7.7	5.2	3.9
75°	3523.4	756.6	38.7	25.8	18.1	14.2	11.6	9.0	6.5	3.9	3.9
77.5°	1806.2	312.4	27.1	18.1	12.9	9.0	7.7	5.2	5.2	3.9	2.6
80°	548.7	103.3	15.5	11.6	9.0	6.5	3.9	3.9	3.9	2.6	1.3
82.5°	125.2	33.6	9.0	9.0	6.5	5.2	3.9	1.3	1.3	0.0	0.0
85°	32.3	10.3	7.7	6.5	6.5	5.2	2.6	1.3	0.0	0.0	0.0
87.5°	11.6	6.5	6.5	6.5	5.2	3.9	2.6	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)