

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: P632438

Luminaire Tested: GWS-SA2C-760-U-T2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632438  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-760-U-T2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

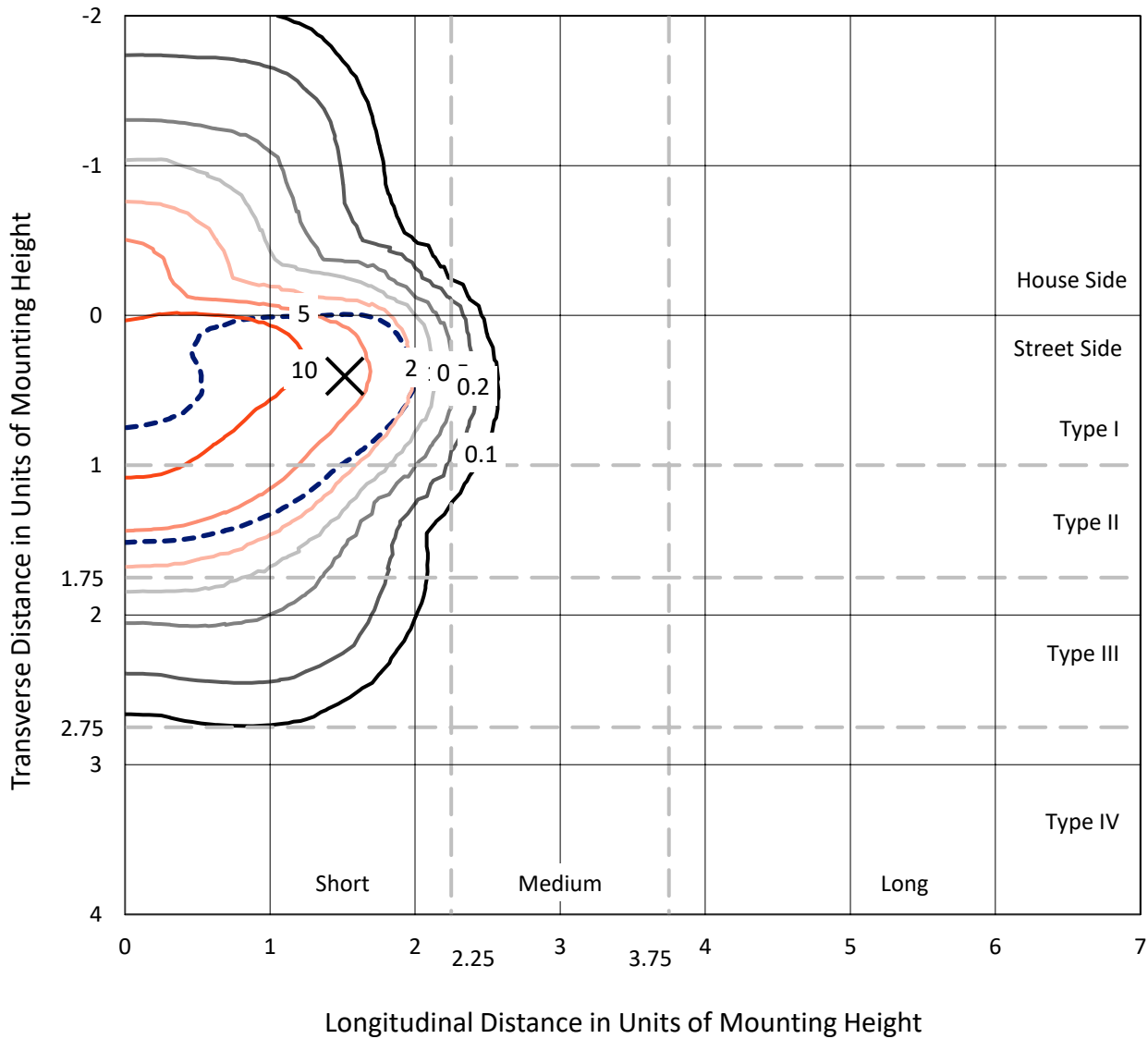
Lumens per Lamp: N/A  
Luminaire Lumens: 5546.5 lumens  
Efficiency: N/A  
Efficacy: 87.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

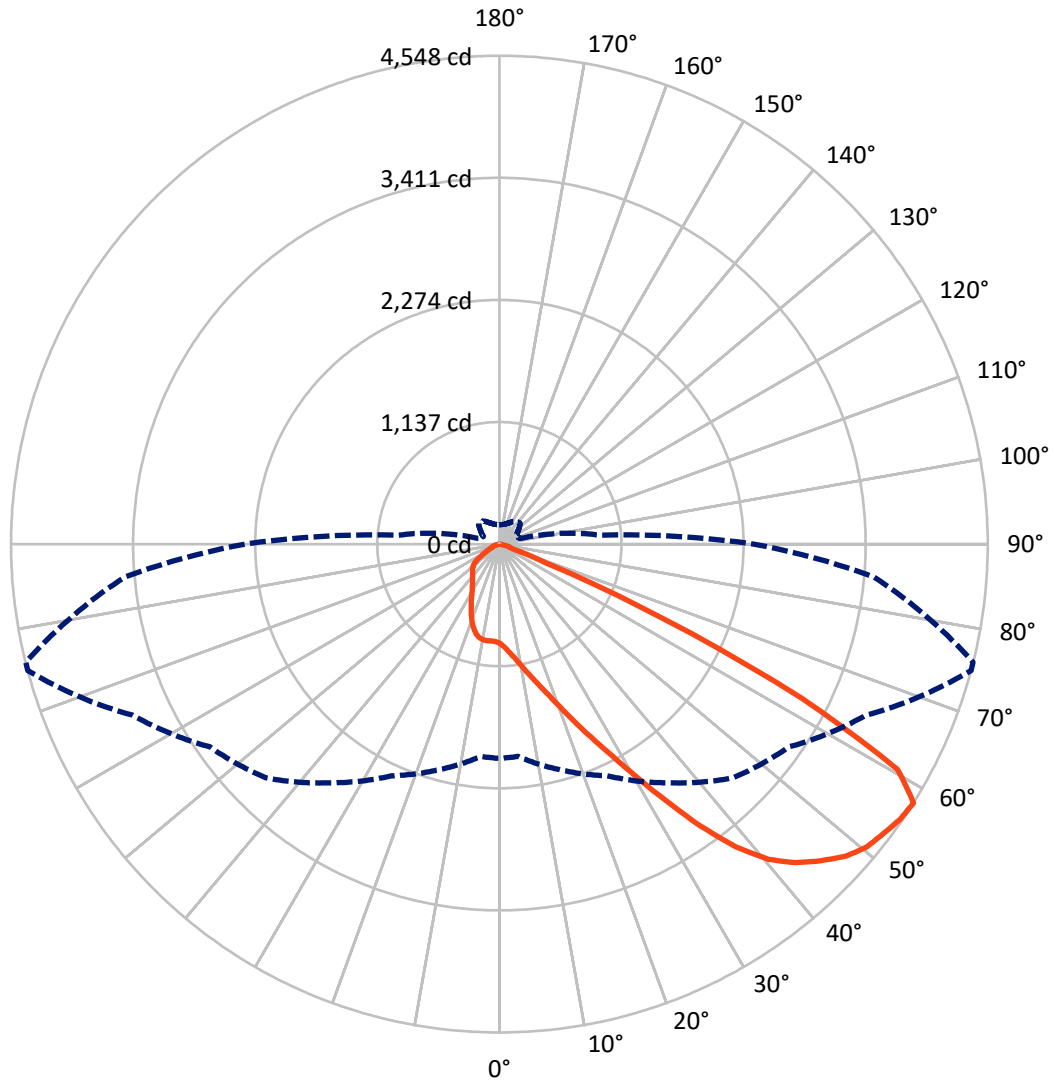
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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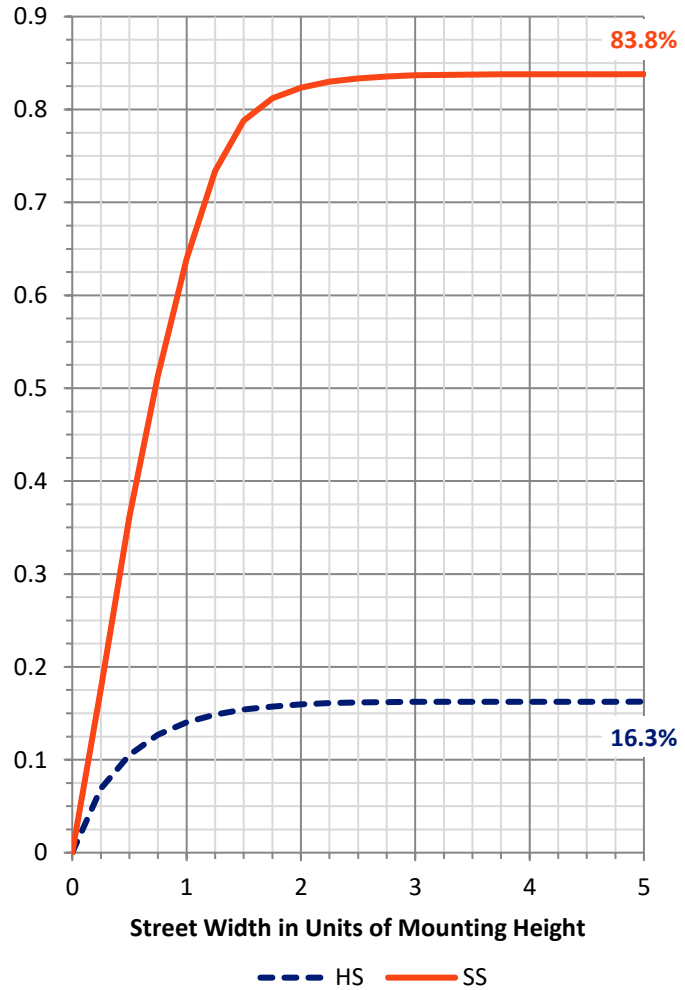
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	906.0	0.0	906.0
	% Fixture	16.3	0.0	16.3
<b>Street Side</b>	Lumens	4640.5	0.0	4640.5
	% Fixture	83.7	0.0	83.7
<b>Total</b>	Lumens	5546.5	0.0	5546.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	94.1	1.7
10°-20°	305.8	5.5
20°-30°	560.0	10.1
30°-40°	929.0	16.8
40°-50°	1418.9	25.6
50°-60°	1594.4	28.7
60°-70°	588.1	10.6
70°-80°	56.2	1.0
80°-90°	0.0	0.0
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°	5546.5	100.0
0°-180°	5546.5	100.0

**Coefficient of Utilization**



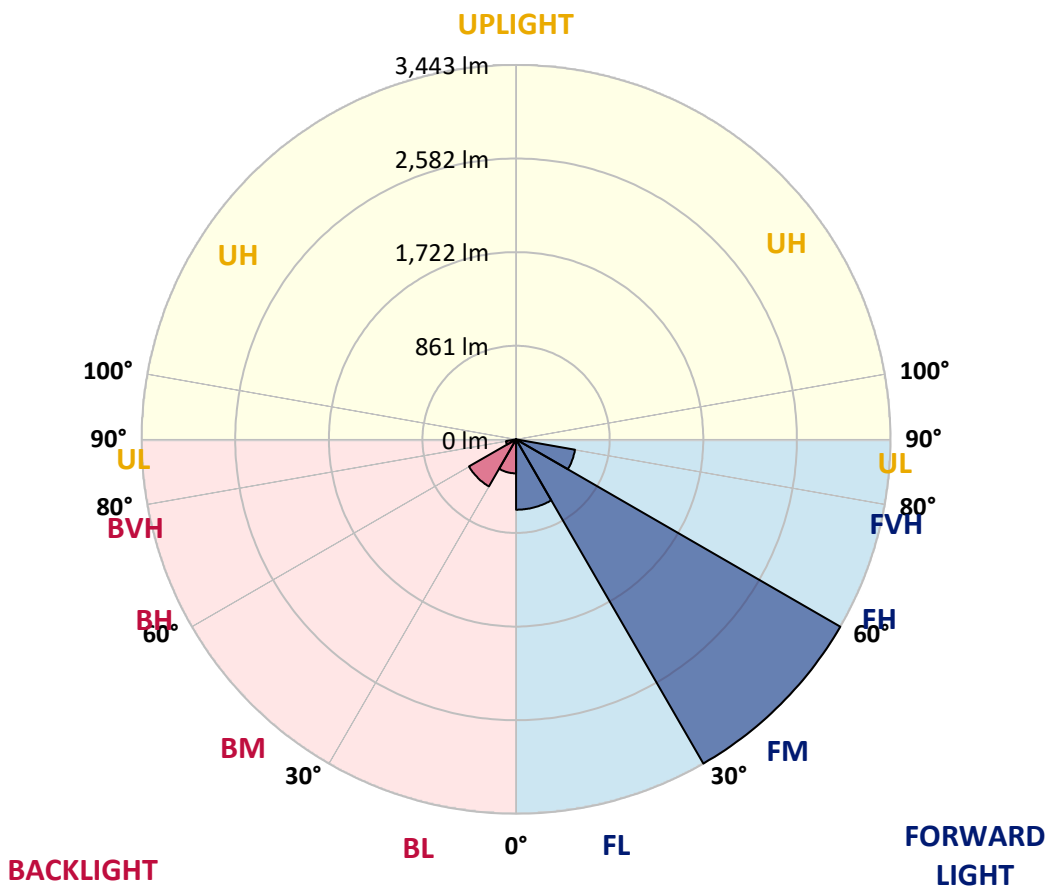
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	647.3	11.7			
FM (30°-60°)	3443.0	62.1			
FH (60°-80°)	550.2	9.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	312.6	5.6	B1/500		
BM (30°-60°)	499.3	9.0	B1/1000		
BH (60°-80°)	94.1	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	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-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1
2.5°	1033.5	1044.2	1040.9	1034.2	1030.2	1016.1	1007.4	982.0	963.9	961.9	945.2
5°	1164.0	1162.0	1159.4	1151.3	1144.6	1122.5	1096.4	1053.6	1015.4	1010.8	975.3
7.5°	1235.7	1237.0	1238.3	1237.0	1232.3	1215.6	1186.8	1136.6	1078.4	1074.4	1018.1
10°	1265.1	1267.8	1274.5	1287.2	1298.6	1297.3	1280.5	1229.0	1157.4	1150.7	1075.0
12.5°	1279.2	1282.5	1293.2	1317.3	1348.1	1372.2	1374.9	1328.7	1249.7	1239.0	1142.6
15°	1298.6	1301.9	1315.3	1346.8	1391.6	1439.2	1470.0	1440.5	1352.1	1340.8	1216.9
17.5°	1307.3	1312.0	1331.4	1372.9	1431.1	1504.1	1573.7	1571.0	1473.3	1464.6	1303.3
20°	1324.0	1327.4	1344.8	1389.6	1459.9	1565.0	1682.1	1724.3	1621.2	1608.5	1407.7
22.5°	1376.9	1378.2	1386.3	1414.4	1480.0	1609.2	1792.6	1903.0	1795.9	1779.2	1524.8
25°	1463.3	1462.6	1465.9	1470.6	1518.8	1654.0	1899.0	2104.5	1996.1	1978.0	1657.4
27.5°	1573.0	1573.0	1581.1	1567.7	1587.1	1709.6	2004.1	2336.1	2229.0	2203.6	1802.6
30°	1702.2	1701.6	1720.3	1698.9	1704.9	1797.3	2117.2	2588.5	2510.2	2478.7	1970.0
32.5°	1877.6	1873.6	1895.0	1865.6	1845.5	1929.8	2255.1	2852.2	2846.9	2798.7	2180.2
35°	2099.2	2092.5	2099.2	2070.4	2034.2	2115.2	2435.9	3115.3	3220.4	3169.5	2430.5
37.5°	2319.4	2340.8	2348.2	2298.6	2269.2	2350.2	2653.4	3350.9	3577.2	3524.3	2690.9
40°	2579.1	2572.4	2597.9	2542.3	2523.6	2613.2	2866.3	3526.3	3859.6	3809.4	2922.5
42.5°	2770.6	2782.6	2814.1	2783.3	2768.5	2852.9	3045.0	3628.7	4055.8	4006.2	3087.8
45°	3000.1	3008.8	3020.9	2995.5	2980.1	3063.1	3174.2	3673.5	4205.0	4151.5	3199.0
47.5°	3248.5	3255.2	3255.2	3203.0	3153.4	3187.6	3260.5	3699.0	4342.2	4290.7	3281.3
50°	3426.5	3429.9	3459.3	3422.5	3314.8	3261.9	3300.0	3723.7	4433.3	4385.1	3308.1
52.5°	3268.6	3264.6	3361.6	3437.9	3466.7	3361.6	3368.3	3759.9	4477.5	4436.0	3329.5
55°	2752.5	2745.8	2882.3	3067.8	3321.4	3456.0	3450.6	3781.3	4526.3	4500.9	3407.1
57.5°	1995.4	1984.0	2174.1	2380.3	2713.0	3077.8	3292.0	3769.3	4547.7	4545.7	3497.5
60°	1199.5	1190.2	1369.5	1586.4	1843.5	2210.3	2565.7	3376.3	4261.3	4265.3	3262.5
62.5°	738.3	747.0	909.0	1019.5	1115.2	1225.6	1431.1	2271.2	3156.8	3182.9	2292.6
65°	496.7	503.4	653.3	792.5	792.5	648.0	556.3	1085.7	1684.2	1640.0	1084.4
67.5°	333.3	340.7	459.2	621.9	645.3	451.8	225.6	324.0	469.2	455.2	268.4
70°	196.1	204.2	305.9	426.4	469.9	314.6	150.6	137.2	133.2	129.2	104.4
72.5°	87.7	91.0	156.0	216.9	198.1	132.5	106.4	109.8	103.8	101.7	85.0
75°	26.8	28.1	40.2	46.9	47.5	47.5	64.3	86.3	81.7	82.3	65.6
77.5°	6.7	6.7	10.7	10.0	5.4	4.7	12.0	19.4	20.1	18.1	13.4
80°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1	925.1
2.5°	937.8	920.4	909.0	892.9	881.6	869.5	858.8	850.1	845.4	844.1	844.8
5°	959.2	931.8	905.0	874.2	852.8	832.7	816.6	803.9	797.9	795.9	795.9
7.5°	992.0	953.9	906.3	858.1	822.0	790.5	771.8	757.7	752.4	751.0	747.0
10°	1034.9	982.6	904.3	829.4	778.5	745.7	732.3	728.3	730.3	731.0	730.3
12.5°	1086.4	1012.8	891.6	787.2	732.3	712.2	713.6	724.3	736.3	742.3	743.7
15°	1141.3	1040.2	862.8	737.0	692.8	692.1	711.5	736.3	759.7	769.8	772.5
17.5°	1202.9	1062.3	818.6	683.4	658.7	678.1	712.9	751.0	782.5	799.2	802.6
20°	1270.5	1080.4	762.4	633.2	628.5	663.4	711.5	758.4	797.2	816.0	819.3
22.5°	1340.8	1093.1	697.5	587.0	601.1	646.6	698.8	744.3	781.2	802.6	805.3
25°	1421.1	1094.4	631.2	548.2	575.7	623.9	668.0	705.5	736.3	755.1	757.1
27.5°	1491.4	1078.4	572.3	516.8	552.2	595.7	625.2	645.9	667.4	678.1	678.7
30°	1572.4	1050.3	516.8	491.3	528.1	560.9	575.7	580.3	582.4	584.4	581.7
32.5°	1668.8	1016.1	475.3	466.6	500.7	522.8	526.8	517.4	506.0	490.0	486.0
35°	1787.2	985.3	441.1	442.5	470.6	484.0	480.6	460.5	438.4	419.0	415.7
37.5°	1915.8	959.2	415.0	419.0	437.8	447.1	437.1	415.0	405.0	388.2	388.9
40°	2029.6	937.8	391.6	395.6	404.3	413.0	396.9	382.2	401.0	399.6	401.0
42.5°	2110.5	919.7	371.5	369.5	375.5	381.5	369.5	362.1	393.6	384.9	389.6
45°	2158.1	903.0	354.8	342.7	352.1	362.8	354.8	345.4	356.1	315.9	312.6
47.5°	2190.2	893.6	340.0	316.6	333.3	352.1	335.4	312.6	297.2	262.4	259.7
50°	2193.5	888.9	322.6	289.8	311.3	331.3	311.9	280.5	258.4	243.0	241.0
52.5°	2211.0	898.3	298.5	255.7	279.1	311.3	297.9	266.4	236.3	222.9	220.2
55°	2288.6	937.8	258.4	208.8	243.0	295.9	286.5	237.6	208.8	200.8	198.8
57.5°	2368.9	945.8	203.5	165.3	211.5	273.8	261.7	218.9	190.8	181.4	179.4
60°	2166.1	779.2	152.6	136.6	186.8	253.0	242.3	207.5	174.7	163.3	161.3
62.5°	1423.1	421.0	121.2	115.8	157.3	214.2	220.9	187.4	156.0	143.9	143.2
65°	656.0	195.5	93.0	91.7	123.2	170.7	190.1	164.0	131.9	121.2	121.2
67.5°	178.7	97.1	73.0	67.6	83.7	114.5	138.6	122.5	93.7	81.0	80.3
70°	89.0	78.3	65.6	58.2	60.2	71.0	81.7	68.3	47.5	38.8	38.2
72.5°	73.0	64.3	55.6	49.5	45.5	43.5	42.2	34.1	22.1	16.7	16.1
75°	54.2	46.2	39.5	32.1	27.4	25.4	22.8	16.7	9.4	5.4	4.7
77.5°	12.0	11.4	10.7	8.0	7.4	6.0	4.7	3.3	1.3	0.0	0.0
80°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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)