

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: P634919

Luminaire Tested: GWS-SA3C-760-U-T2R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634919  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-760-U-T2R-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

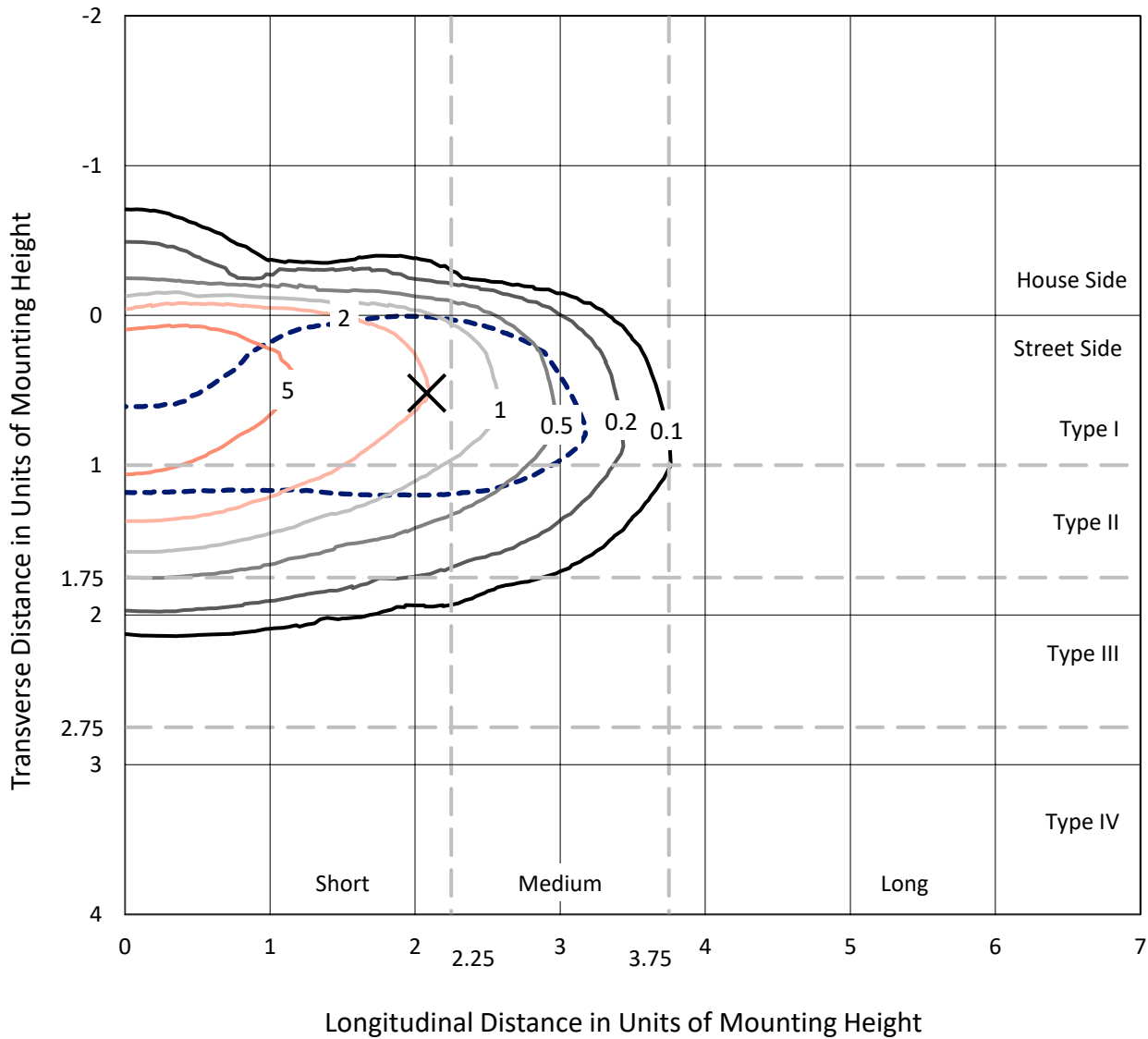
Lumens per Lamp: N/A  
Luminaire Lumens: 11350.1 lumens  
Efficiency: N/A  
Efficacy: 122.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): 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

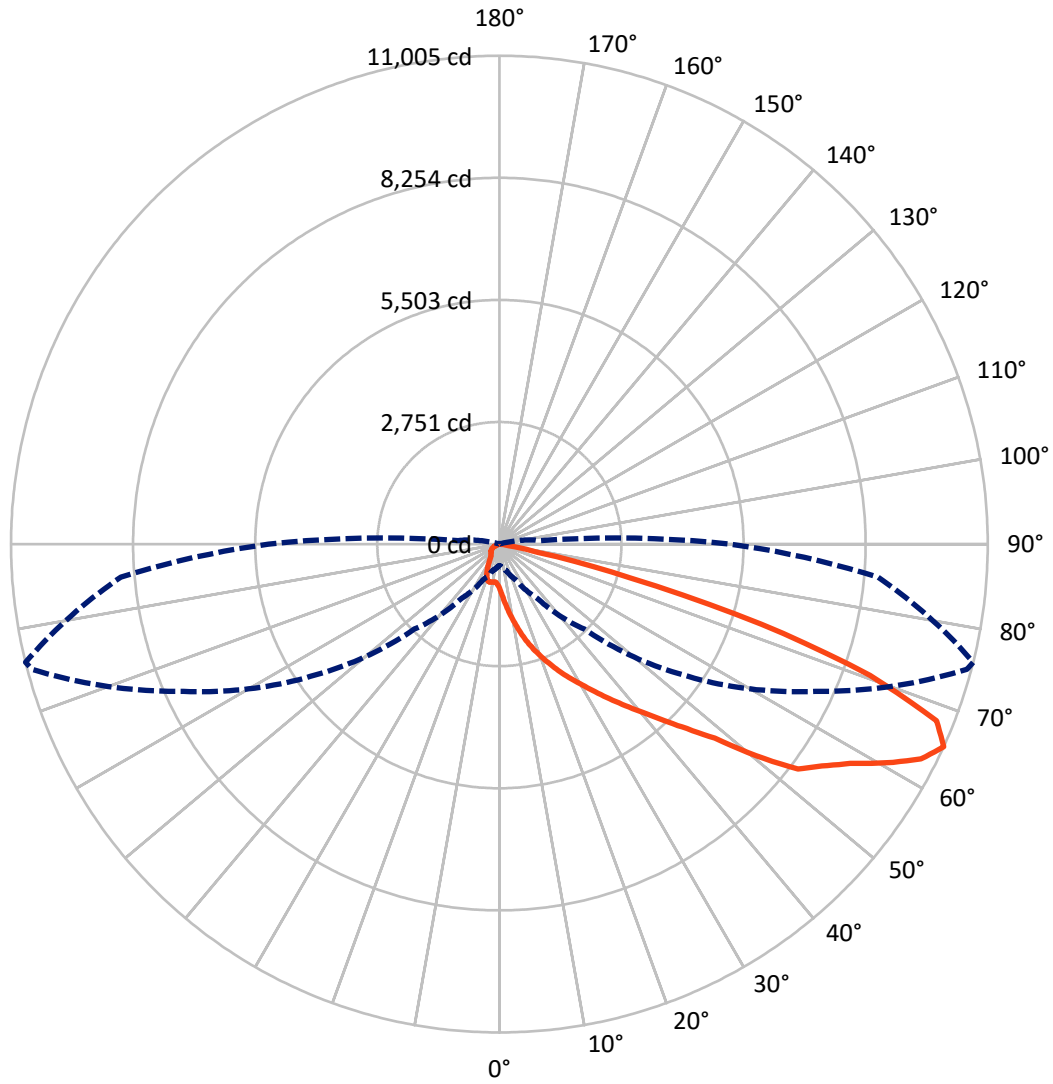
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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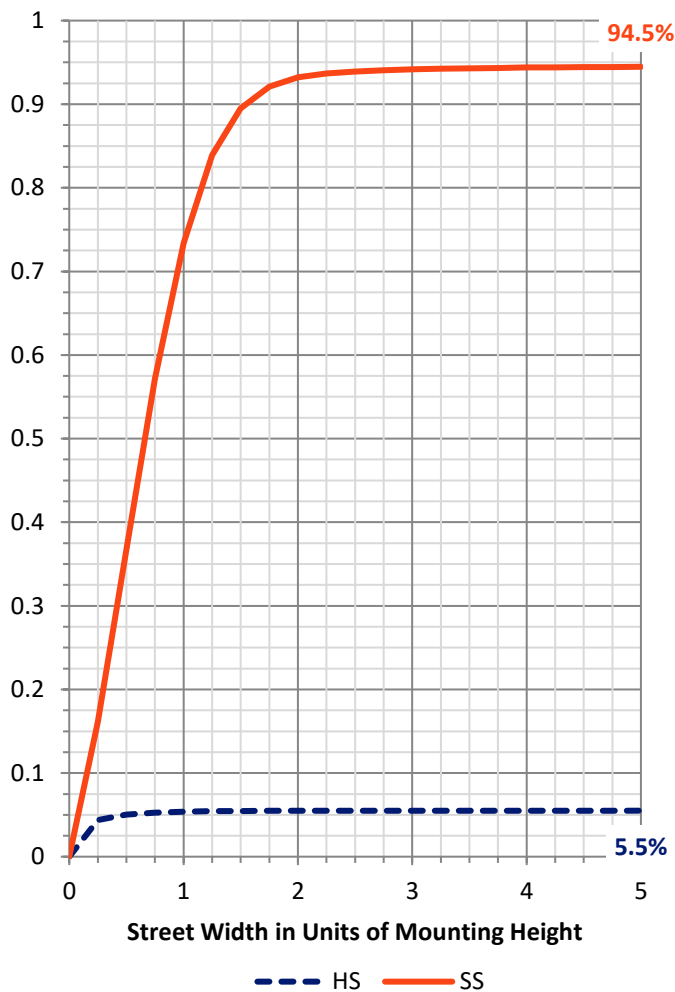
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	627.6	0.0	627.6
	% Fixture	5.5	0.0	5.5
<b>Street Side</b>	Lumens	10722.5	0.0	10722.5
	% Fixture	94.5	0.0	94.5
<b>Total</b>	Lumens	11350.1	0.0	11350.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.2	1.1
10°-20°	463.9	4.1
20°-30°	946.4	8.3
30°-40°	1683.2	14.8
40°-50°	2488.1	21.9
50°-60°	2848.7	25.1
60°-70°	2173.4	19.1
70°-80°	608.8	5.4
80°-90°	15.3	0.1
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°	11350.1	100.0
0°-180°	11350.1	100.0

**Coefficient of Utilization**



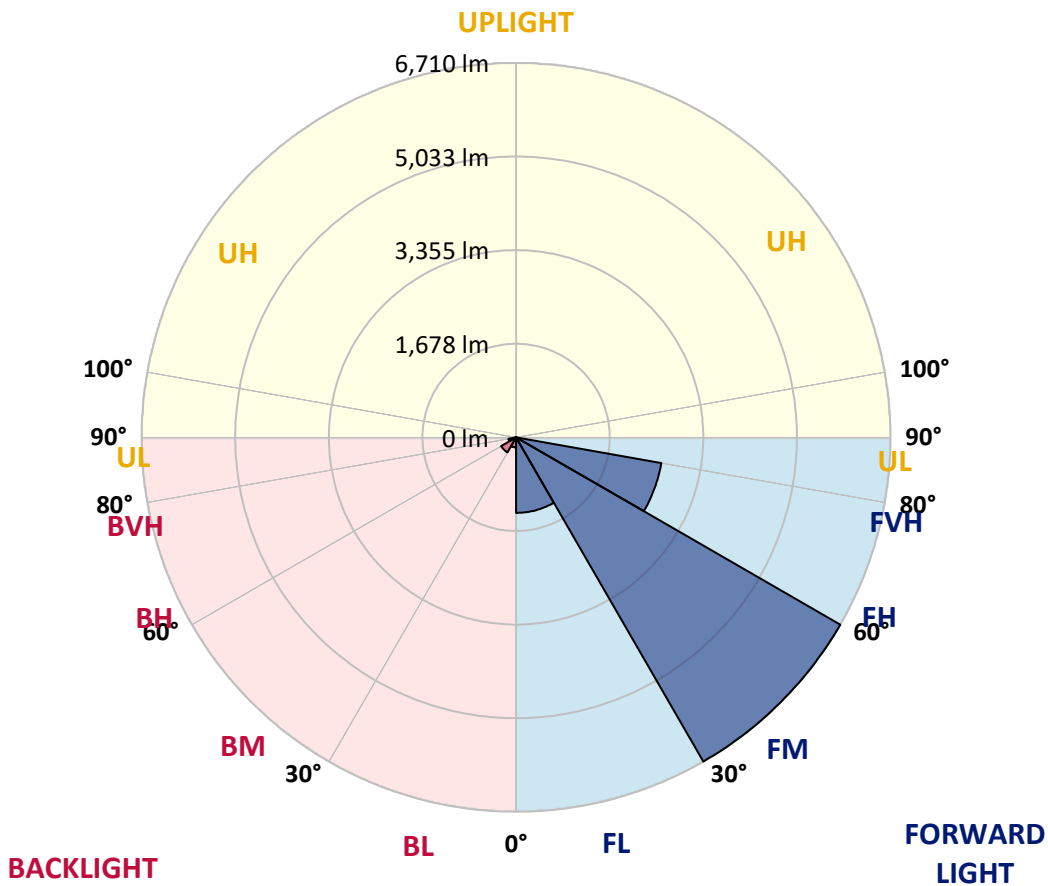
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1353.4	11.9			
FM (30°-60°)	6710.4	59.1			
FH (60°-80°)	2644.3	23.3			G2/5000
FVH (80°-90°)	14.4	0.1			G1/100
BL (0°-30°)	179.1	1.6	B1/500		
BM (30°-60°)	309.6	2.7	B1/1000		
BH (60°-80°)	138.0	1.2	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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1004.9	1004.9	1004.9	1004.9	1004.9	1004.9	1004.9	1004.9	1004.9	1004.9	1004.9
2.5°	1548.7	1571.9	1553.8	1523.5	1465.0	1408.5	1335.8	1235.9	1156.2	1146.1	1071.5
5°	2091.5	2089.5	2050.2	2010.8	1949.3	1852.4	1706.1	1520.5	1341.9	1326.7	1159.3
7.5°	2414.4	2417.4	2395.2	2364.9	2304.4	2204.5	2052.2	1828.2	1566.9	1536.6	1279.3
10°	2685.8	2684.8	2668.6	2654.5	2600.0	2533.4	2370.0	2123.8	1809.0	1761.6	1413.5
12.5°	2889.6	2896.6	2904.7	2918.8	2895.6	2830.1	2675.7	2407.3	2054.2	2001.7	1566.9
15°	3051.0	3053.0	3083.3	3137.8	3157.0	3122.6	2982.4	2681.7	2296.3	2250.9	1743.4
17.5°	3099.4	3103.5	3154.9	3254.8	3355.7	3374.9	3268.9	2958.2	2534.4	2486.0	1915.0
20°	3201.3	3210.4	3248.8	3336.5	3463.7	3566.6	3525.2	3237.7	2772.5	2709.0	2090.5
22.5°	3522.2	3527.2	3514.1	3525.2	3590.8	3709.8	3735.1	3508.1	3016.7	2949.1	2280.2
25°	4074.1	4076.1	3984.3	3897.5	3848.1	3870.3	3925.8	3757.3	3258.9	3192.3	2456.8
27.5°	4647.1	4654.2	4544.2	4396.9	4220.4	4119.5	4103.3	3985.3	3503.0	3429.4	2631.3
30°	5186.9	5186.9	5070.9	4891.3	4655.2	4458.5	4342.5	4215.3	3764.3	3683.6	2809.9
32.5°	5672.2	5668.2	5519.9	5325.2	5092.1	4876.2	4632.0	4455.5	4054.9	3965.1	3015.7
35°	6072.8	6062.7	5894.2	5707.5	5458.3	5297.9	5025.5	4713.7	4369.7	4279.9	3227.6
37.5°	6375.5	6364.4	6210.0	6012.2	5781.2	5677.3	5449.3	5023.5	4701.6	4619.9	3462.7
40°	6539.9	6517.7	6410.8	6263.5	6069.7	5978.9	5884.1	5407.9	5092.1	4990.2	3740.1
42.5°	6588.3	6562.1	6491.5	6422.9	6305.8	6234.2	6336.1	5841.7	5520.9	5433.1	4056.9
45°	6445.1	6429.9	6423.9	6473.3	6494.5	6514.7	6765.9	6322.0	5994.1	5927.5	4455.5
47.5°	6100.0	6096.0	6149.5	6355.3	6579.3	6792.1	7233.0	6914.2	6607.5	6535.9	5012.4
50°	5462.4	5503.7	5653.1	6014.3	6462.2	6949.5	7669.9	7735.5	7600.3	7495.4	5738.8
52.5°	4465.5	4545.2	4880.2	5429.1	6072.8	6905.1	7871.7	8393.3	8531.5	8422.6	6259.4
55°	3504.0	3578.7	3877.3	4573.5	5432.1	6567.1	7880.8	8620.3	8922.0	8821.1	6611.5
57.5°	2610.1	2678.7	2950.1	3616.0	4560.4	5902.3	7664.9	8746.4	9385.1	9320.5	7167.5
60°	1706.1	1773.7	2018.9	2601.0	3537.3	4933.7	7133.2	8720.2	10015.7	10009.6	7850.5
62.5°	946.4	999.9	1177.4	1631.4	2468.9	3820.8	6297.8	8456.9	10626.1	10664.4	8413.5
65°	484.3	518.6	626.5	896.9	1494.2	2709.0	5199.0	7853.5	10908.6	11005.4	8561.8
67.5°	316.8	327.9	354.1	466.1	800.1	1704.1	3912.6	6886.0	10511.1	10624.1	8064.4
70°	257.3	266.4	281.5	310.8	412.7	905.0	2569.8	5499.7	8782.8	8859.4	6421.9
72.5°	188.7	200.8	230.0	249.2	297.6	496.4	1336.8	3610.0	6031.4	6166.6	4035.7
75°	139.2	146.3	170.5	196.7	243.2	313.8	511.5	1897.8	3114.6	3035.9	1695.0
77.5°	83.7	88.8	109.0	126.1	173.5	195.7	178.6	701.2	947.4	890.9	409.6
80°	41.4	46.4	71.6	94.8	111.0	78.7	74.7	195.7	210.9	210.9	102.9
82.5°	14.1	18.2	38.3	62.6	54.5	30.3	35.3	50.4	56.5	59.5	30.3
85°	0.0	0.0	9.1	18.2	8.1	4.0	9.1	11.1	14.1	15.1	10.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0	4.0	4.0
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°	1004.9	1004.9	1004.9	1004.9	1004.9	1004.9	1004.9	1004.9	1004.9	1004.9	1004.9
2.5°	1031.1	983.7	912.1	847.5	798.1	751.7	716.3	688.1	683.0	666.9	668.9
5°	1077.5	991.8	859.6	757.7	686.1	637.6	597.3	567.0	553.9	540.8	530.7
7.5°	1149.2	1025.1	839.4	715.3	631.6	556.9	494.4	443.9	419.7	404.6	394.5
10°	1237.0	1071.5	840.4	690.1	566.0	452.0	366.2	310.8	284.5	276.4	275.4
12.5°	1341.9	1130.0	848.5	648.7	471.2	336.0	271.4	246.2	238.1	231.0	231.0
15°	1452.9	1195.6	848.5	573.1	359.2	262.3	235.1	218.9	208.8	204.8	202.8
17.5°	1569.9	1257.1	828.3	469.2	275.4	231.0	208.8	193.7	185.6	179.6	177.6
20°	1695.0	1315.6	777.9	359.2	236.1	206.8	185.6	170.5	162.4	156.4	156.4
22.5°	1822.1	1370.1	696.2	276.4	208.8	183.6	163.4	149.3	141.3	135.2	135.2
25°	1940.2	1406.5	591.2	228.0	188.7	163.4	145.3	131.2	122.1	118.0	116.0
27.5°	2050.2	1429.7	475.2	200.8	169.5	146.3	127.1	114.0	106.9	103.9	101.9
30°	2164.2	1435.7	363.2	182.6	153.4	129.1	111.0	100.9	94.8	90.8	90.8
32.5°	2275.1	1428.6	277.5	167.5	139.2	114.0	98.9	89.8	84.8	81.7	80.7
35°	2388.1	1396.4	225.0	154.4	125.1	99.9	87.8	80.7	77.7	73.7	73.7
37.5°	2511.2	1353.0	195.7	141.3	111.0	89.8	78.7	73.7	69.6	66.6	65.6
40°	2664.6	1302.5	179.6	130.2	97.9	80.7	70.6	65.6	62.6	59.5	58.5
42.5°	2846.2	1253.1	171.5	118.0	87.8	71.6	63.6	57.5	54.5	50.4	49.4
45°	3103.5	1242.0	162.4	104.9	78.7	64.6	55.5	49.4	45.4	42.4	41.4
47.5°	3517.1	1273.3	147.3	90.8	69.6	56.5	47.4	42.4	37.3	34.3	32.3
50°	3927.8	1265.2	132.2	78.7	61.5	48.4	40.4	35.3	30.3	27.2	26.2
52.5°	4151.8	1226.9	118.0	69.6	53.5	41.4	34.3	28.3	25.2	22.2	21.2
55°	4354.6	1211.7	103.9	60.5	45.4	36.3	28.3	23.2	21.2	18.2	17.2
57.5°	4752.1	1247.0	91.8	52.5	39.3	31.3	24.2	19.2	17.2	14.1	13.1
60°	5167.8	1251.1	78.7	45.4	34.3	26.2	19.2	15.1	13.1	10.1	9.1
62.5°	5384.7	1149.2	64.6	38.3	28.3	22.2	16.1	12.1	10.1	6.1	6.1
65°	5203.1	929.2	54.5	31.3	22.2	17.2	12.1	9.1	6.1	3.0	1.0
67.5°	4604.8	660.9	45.4	25.2	16.1	12.1	9.1	6.1	1.0	0.0	0.0
70°	3371.9	377.3	35.3	18.2	12.1	8.1	6.1	3.0	0.0	0.0	0.0
72.5°	2072.3	201.8	26.2	12.1	9.1	6.1	5.0	2.0	0.0	0.0	0.0
75°	786.0	96.9	16.1	8.1	7.1	5.0	3.0	1.0	0.0	0.0	0.0
77.5°	212.9	47.4	9.1	6.1	5.0	3.0	2.0	0.0	0.0	0.0	0.0
80°	55.5	22.2	6.1	4.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0
82.5°	19.2	10.1	3.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
85°	8.1	4.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.0	1.0	1.0	1.0	1.0	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)