

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: P639960

Luminaire Tested: GWS-SA5C-830-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639960
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-830-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15320.8 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

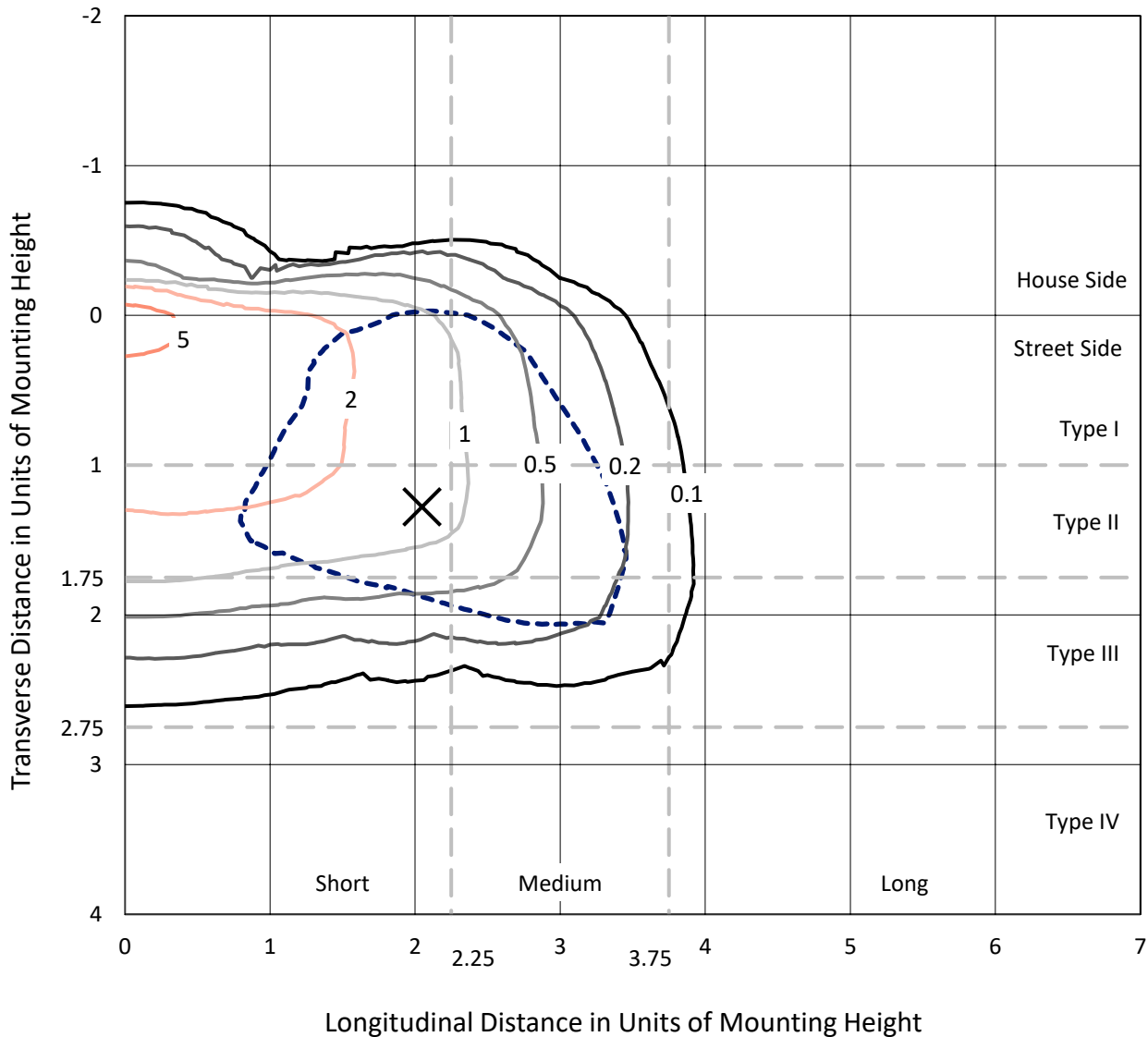
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

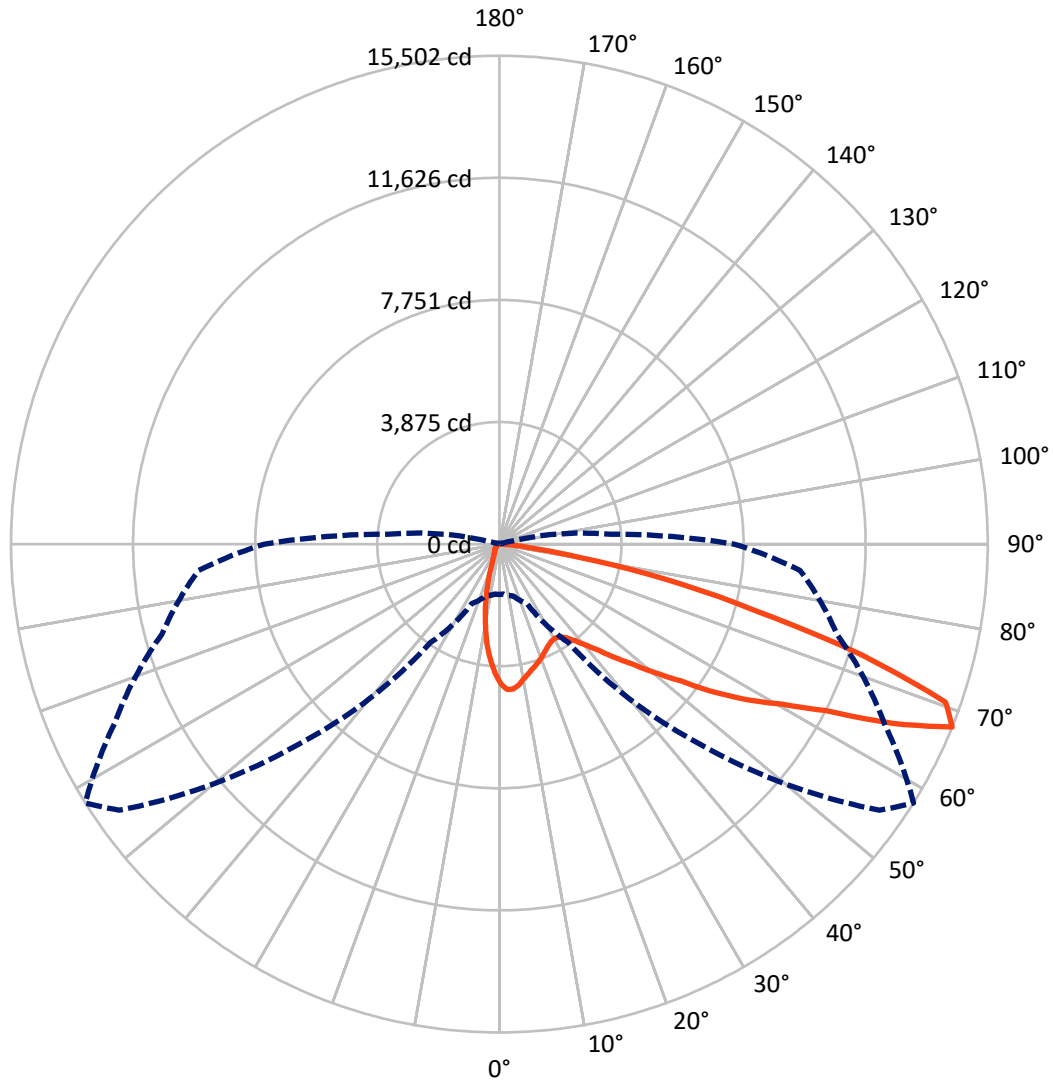
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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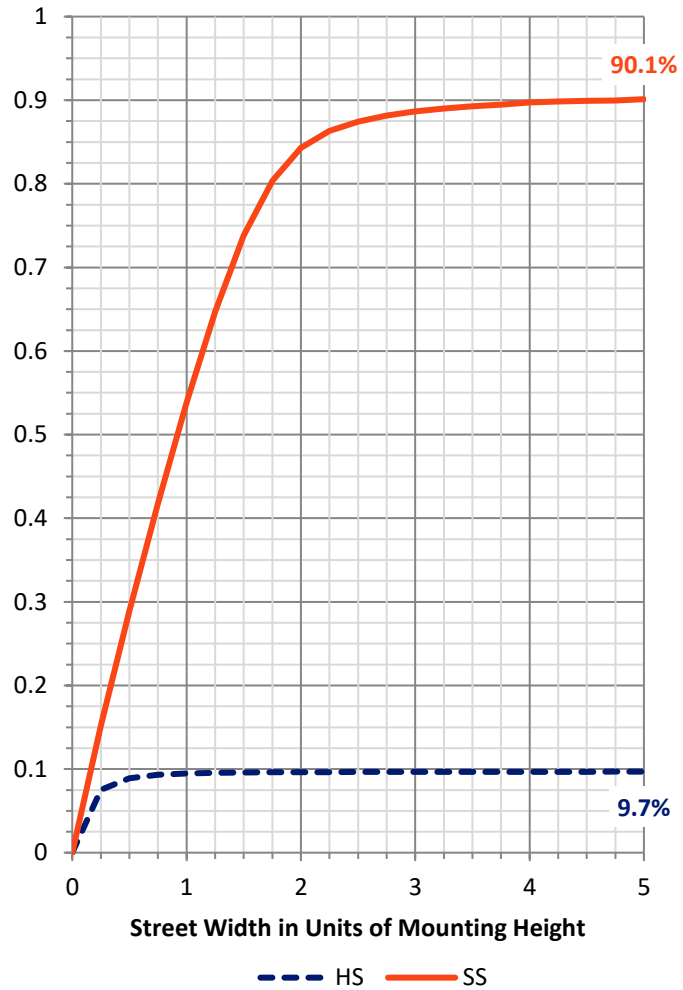
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1496.7	0.0	1496.7
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	13824.1	0.0	13824.1
	% Fixture	90.2	0.0	90.2
Total	Lumens	15320.8	0.0	15320.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.1	2.3
10°-20°	747.5	4.9
20°-30°	1008.1	6.6
30°-40°	1416.6	9.2
40°-50°	2187.8	14.3
50°-60°	3498.5	22.8
60°-70°	4142.5	27.0
70°-80°	1832.5	12.0
80°-90°	128.1	0.8
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°	15320.8	100.0
0°-180°	15320.8	100.0

Coefficient of Utilization

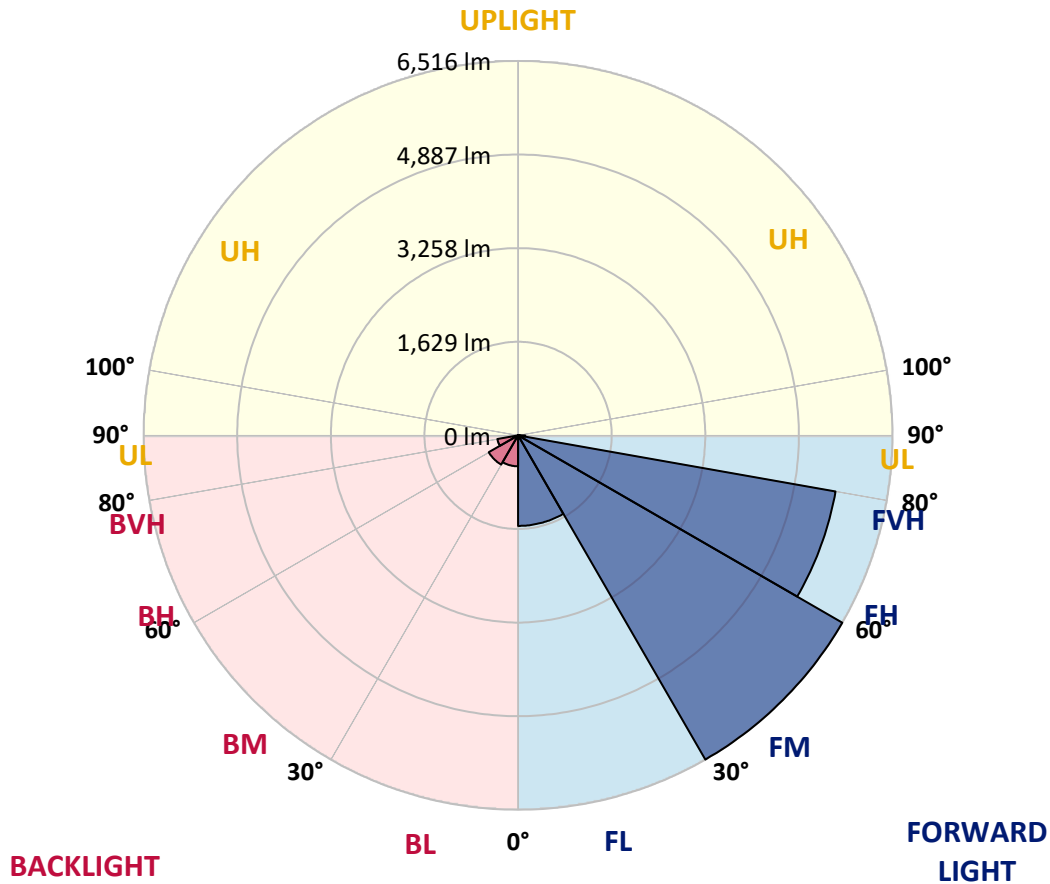


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1576.1	10.3			
FM (30°-60°)	6515.6	42.5			
FH (60°-80°)	5609.7	36.6			G3/7500
FVH (80°-90°)	122.7	0.8			G2/225
BL (0°-30°)	538.6	3.5	B2/1000		
BM (30°-60°)	587.3	3.8	B1/1000		
BH (60°-80°)	365.4	2.4	B1/500		G1/500
BVH (80°-90°)	5.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2
2.5°	4648.4	4656.5	4667.4	4680.9	4678.2	4666.0	4651.1	4617.2	4595.5	4527.7	4445.0
5°	4499.2	4497.9	4525.0	4550.8	4596.9	4621.3	4655.2	4624.0	4613.1	4531.8	4397.5
7.5°	4207.7	4222.6	4253.8	4294.5	4360.9	4432.8	4514.2	4504.7	4537.2	4483.0	4316.2
10°	3921.6	3913.4	3962.3	4023.3	4125.0	4217.2	4335.2	4333.8	4419.2	4413.8	4224.0
12.5°	3670.7	3669.4	3707.3	3776.5	3895.8	4024.6	4184.6	4188.7	4294.5	4337.9	4145.3
15°	3459.2	3461.9	3498.5	3570.4	3693.8	3851.1	4036.8	4070.7	4190.1	4278.2	4068.0
17.5°	3308.7	3310.0	3331.7	3394.1	3514.8	3682.9	3906.7	3952.8	4106.0	4233.5	4005.7
20°	3239.5	3234.1	3238.2	3269.3	3362.9	3516.1	3773.8	3833.4	4028.7	4202.3	3948.7
22.5°	3249.0	3240.9	3221.9	3217.8	3259.8	3376.5	3632.8	3706.0	3944.6	4183.3	3897.2
25°	3333.1	3315.4	3288.3	3247.6	3231.4	3289.7	3509.4	3585.3	3866.0	4184.6	3857.8
27.5°	3461.9	3442.9	3409.0	3354.8	3291.0	3266.6	3425.3	3497.2	3810.4	4215.8	3838.9
30°	3626.0	3611.1	3578.5	3513.4	3428.0	3327.6	3407.7	3467.3	3783.3	4279.6	3847.0
32.5°	3819.9	3809.0	3781.9	3722.2	3624.6	3471.4	3467.3	3513.4	3805.0	4371.8	3878.2
35°	4007.0	4011.1	4012.4	3979.9	3875.5	3689.7	3631.4	3647.7	3894.5	4510.1	3948.7
37.5°	4209.1	4199.6	4248.4	4271.4	4171.1	3973.1	3885.0	3886.3	4065.3	4714.8	4081.6
40°	4362.3	4365.0	4470.8	4565.7	4523.7	4332.5	4206.3	4205.0	4328.4	4995.5	4295.8
42.5°	4506.0	4523.7	4679.6	4842.3	4900.6	4731.1	4640.3	4606.4	4697.2	5375.2	4617.2
45°	4659.3	4685.0	4903.3	5135.2	5288.4	5188.1	5116.2	5129.8	5140.6	5817.3	5049.8
47.5°	4838.2	4854.5	5124.4	5451.2	5737.3	5711.5	5715.6	5699.3	5693.9	6374.6	5622.0
50°	5055.2	5093.2	5403.7	5794.2	6184.8	6355.6	6412.6	6419.4	6331.2	6982.1	6214.6
52.5°	5516.3	5562.4	5828.1	6169.8	6672.9	7032.3	7264.1	7218.0	7082.4	7570.6	6864.1
55°	6060.0	6095.3	6351.6	6705.5	7269.6	7774.0	8324.5	8305.6	7973.3	8190.3	7398.4
57.5°	6111.5	6150.9	6548.2	7090.6	8035.7	8690.7	9269.7	9330.7	8843.9	8629.6	7875.7
60°	5532.5	5612.5	6154.9	6884.5	8328.6	9923.3	10305.7	10317.9	9482.6	9075.8	8458.8
62.5°	4434.2	4472.1	5018.6	5970.5	7877.1	10642.0	11888.1	11630.5	10303.0	9766.0	9382.2
65°	2324.2	2478.8	2954.7	4008.4	6388.2	10391.1	13792.0	13721.5	11778.3	10754.5	10100.9
67.5°	1594.7	1593.3	1705.9	2089.6	3809.0	8947.0	14726.3	15501.9	13484.2	11093.5	9580.2
70°	1213.6	1217.7	1318.0	1567.5	1973.0	5955.6	13701.1	15027.3	13801.5	10072.4	7748.2
72.5°	805.5	813.6	980.4	1266.5	1575.7	2919.5	10647.4	12023.7	11612.9	8090.0	5453.9
75°	481.4	488.2	607.5	920.7	1400.8	1634.0	6765.1	8312.3	7993.7	5575.9	2923.6
77.5°	198.0	203.4	311.9	573.6	1025.1	1269.2	3741.2	5439.0	4788.1	2217.1	798.7
80°	82.7	85.4	150.5	401.4	739.0	796.0	1733.0	2556.1	1962.1	477.3	244.1
82.5°	29.8	31.2	55.6	221.0	459.7	599.4	874.6	1010.2	553.3	155.9	131.5
85°	1.4	1.4	13.6	74.6	174.9	169.5	500.4	484.1	183.1	65.1	78.6
87.5°	0.0	0.0	1.4	1.4	2.7	6.8	47.5	84.1	39.3	16.3	33.9
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°	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2	4419.2
2.5°	4390.8	4318.9	4240.2	4167.0	4050.4	3981.2	3895.8	3857.8	3803.6	3790.0	3798.2
5°	4301.3	4177.9	3989.4	3818.5	3597.5	3419.9	3240.9	3164.9	3067.3	3002.2	2975.1
7.5°	4175.2	4013.8	3719.5	3409.0	3105.3	2781.2	2534.4	2371.7	2223.9	2142.5	2126.2
10°	4047.7	3837.5	3415.8	2971.0	2500.5	2112.7	1779.1	1532.3	1331.6	1240.7	1170.2
12.5°	3916.2	3654.4	3106.6	2526.2	1979.8	1450.9	1038.7	798.7	655.0	598.0	607.5
15°	3795.5	3478.2	2800.2	2081.5	1394.0	876.0	573.6	484.1	450.2	439.3	438.0
17.5°	3680.2	3311.4	2495.1	1648.9	919.4	537.0	439.3	417.7	408.2	402.7	402.7
20°	3575.8	3151.4	2196.7	1242.1	593.9	425.8	397.3	386.5	378.3	374.3	374.3
22.5°	3478.2	2996.8	1905.2	878.7	438.0	382.4	364.8	353.9	344.4	339.0	339.0
25°	3390.0	2857.1	1627.2	604.8	377.0	349.9	330.9	318.7	302.4	292.9	292.9
27.5°	3326.3	2732.4	1360.1	440.7	340.4	314.6	292.9	276.6	259.0	248.1	245.4
30°	3288.3	2626.6	1090.2	362.1	306.5	280.7	256.3	235.9	215.6	204.8	203.4
32.5°	3266.6	2529.0	843.4	316.0	278.0	248.1	221.0	199.3	179.0	166.8	165.4
35°	3274.8	2453.0	631.9	284.8	250.9	219.7	189.8	168.1	150.5	139.7	137.0
37.5°	3345.3	2419.1	474.6	260.4	227.8	195.3	164.1	143.7	127.5	119.3	118.0
40°	3482.2	2425.9	372.9	241.4	208.8	170.9	141.0	122.0	109.8	103.1	101.7
42.5°	3695.1	2482.9	307.8	225.1	188.5	149.2	122.0	107.1	94.9	88.1	86.8
45°	4012.4	2600.8	268.5	206.1	166.8	128.8	105.8	92.2	81.4	73.2	71.9
47.5°	4472.1	2805.6	242.7	188.5	147.8	111.2	90.9	77.3	67.8	61.0	59.7
50°	4961.6	3051.0	221.0	170.9	131.5	96.3	77.3	63.7	55.6	48.8	47.5
52.5°	5483.7	3315.4	204.8	154.6	116.6	82.7	65.1	52.9	44.7	38.0	36.6
55°	5985.4	3581.2	185.8	143.7	99.0	70.5	54.2	43.4	35.3	29.8	29.8
57.5°	6473.6	3825.3	165.4	126.1	81.4	59.7	44.7	35.3	28.5	24.4	23.1
60°	7056.7	4163.0	142.4	107.1	67.8	50.2	36.6	28.5	23.1	19.0	19.0
62.5°	7923.2	4514.2	122.0	89.5	57.0	42.0	29.8	23.1	19.0	16.3	14.9
65°	8206.6	4324.3	103.1	73.2	46.1	33.9	24.4	20.3	16.3	14.9	13.6
67.5°	7449.9	3544.6	85.4	59.7	38.0	28.5	21.7	17.6	14.9	13.6	12.2
70°	5813.2	2515.4	66.4	44.7	31.2	23.1	19.0	16.3	13.6	12.2	12.2
72.5°	3954.1	1487.5	52.9	33.9	25.8	20.3	16.3	14.9	13.6	12.2	10.8
75°	1947.2	528.8	40.7	25.8	20.3	17.6	14.9	13.6	12.2	10.8	10.8
77.5°	524.8	146.4	31.2	20.3	16.3	13.6	13.6	13.6	12.2	9.5	9.5
80°	177.6	61.0	23.1	14.9	13.6	10.8	9.5	12.2	10.8	9.5	8.1
82.5°	97.6	29.8	16.3	12.2	9.5	8.1	8.1	8.1	8.1	6.8	6.8
85°	62.4	16.3	10.8	9.5	9.5	6.8	5.4	5.4	4.1	4.1	4.1
87.5°	28.5	9.5	9.5	8.1	8.1	6.8	4.1	2.7	1.4	1.4	1.4
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)