

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: P642325

Luminaire Tested: GWS-SA6C-760-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642325
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-SA6C-760-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23202.1 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

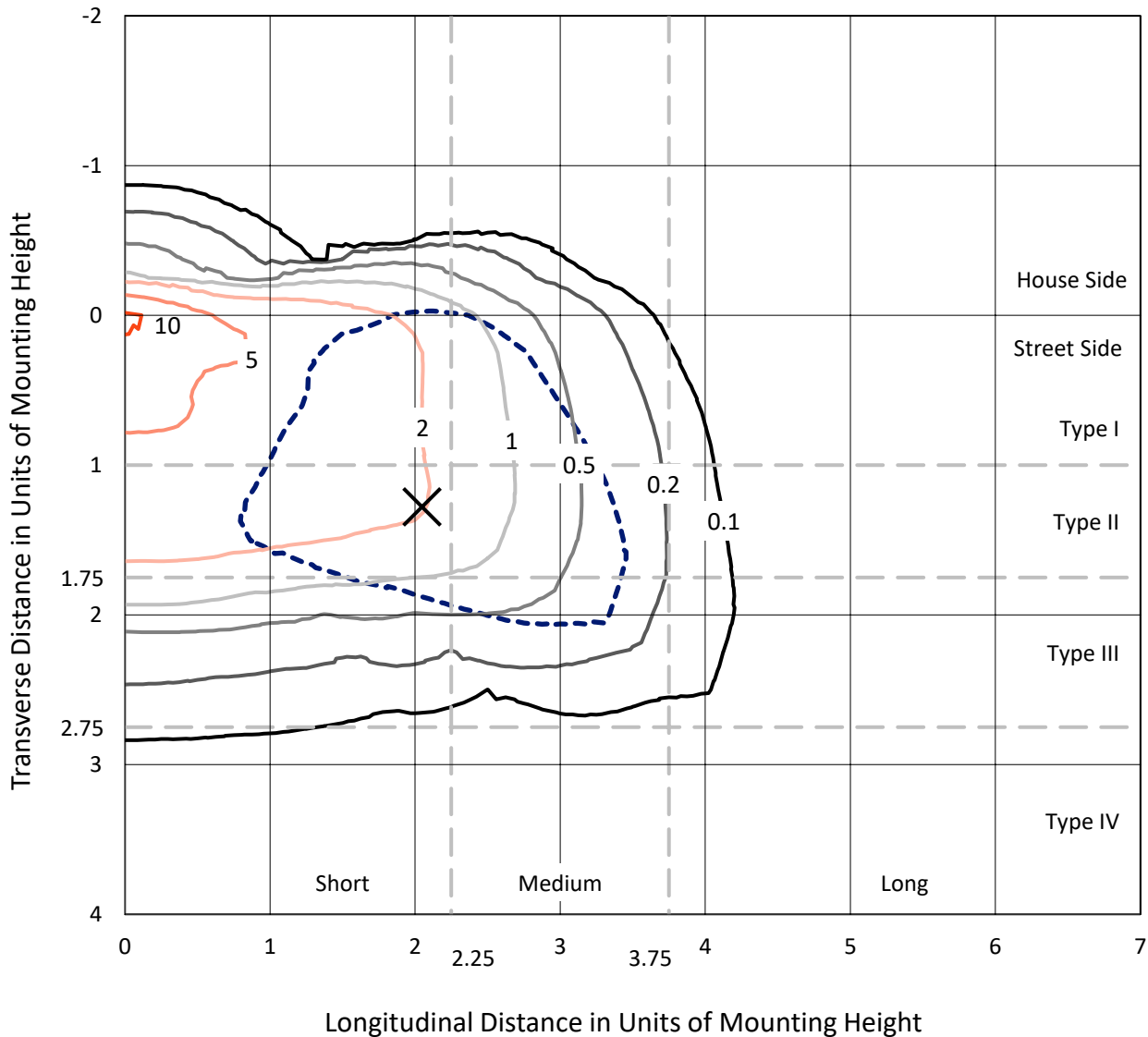
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

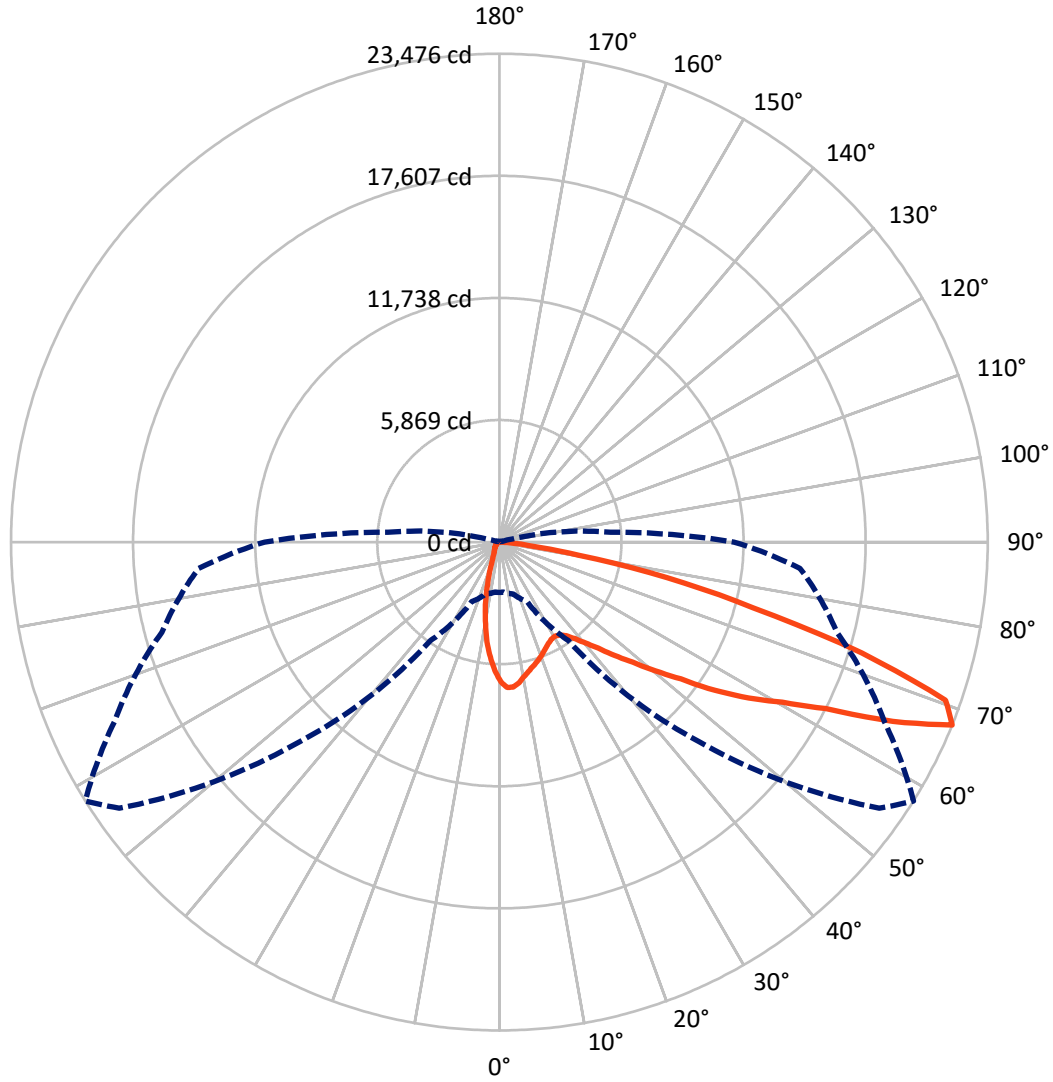
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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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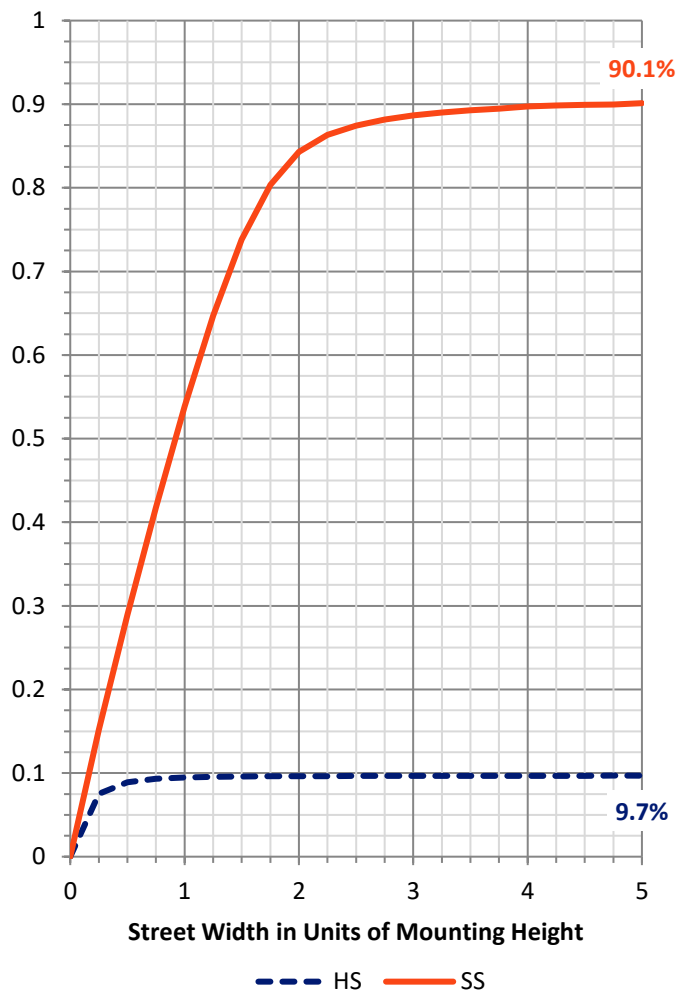
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2266.7	0.0	2266.7
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	20935.4	0.0	20935.4
	% Fixture	90.2	0.0	90.2
Total	Lumens	23202.1	0.0	23202.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.8	2.3
10°-20°	1132.1	4.9
20°-30°	1526.7	6.6
30°-40°	2145.3	9.2
40°-50°	3313.2	14.3
50°-60°	5298.2	22.8
60°-70°	6273.5	27.0
70°-80°	2775.2	12.0
80°-90°	194.0	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°	23202.1	100.0
0°-180°	23202.1	100.0

Coefficient of Utilization



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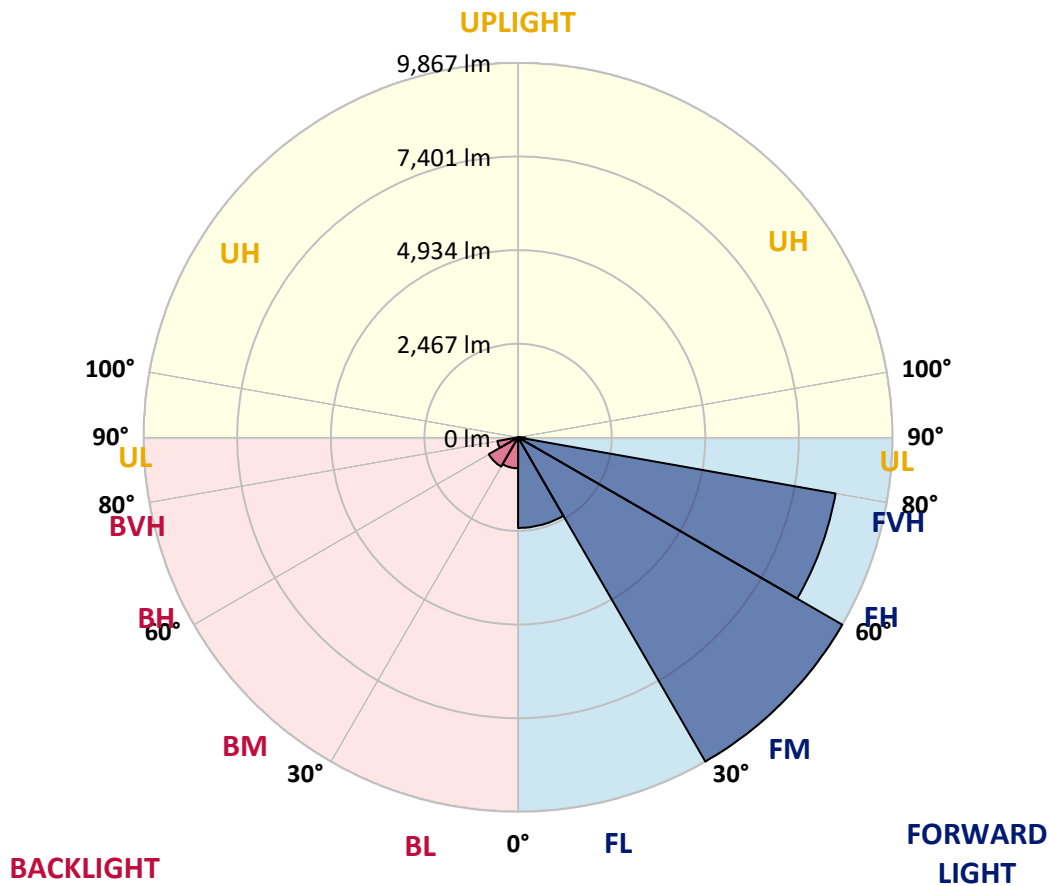
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2386.9	10.3			
FM (30°-60°)	9867.4	42.5			
FH (60°-80°)	8495.4	36.6			G4/12000
FVH (80°-90°)	185.8	0.8			G2/225
BL (0°-30°)	815.7	3.5	B2/1000		
BM (30°-60°)	889.4	3.8	B1/1000		
BH (60°-80°)	553.4	2.4	B2/1000		G2/1000
BVH (80°-90°)	8.3	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-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	6692.6	6692.6	6692.6	6692.6	6692.6	6692.6	6692.6	6692.6	6692.6	6692.6	6692.6
2.5°	7039.6	7051.9	7068.4	7088.9	7084.8	7066.3	7043.7	6992.4	6959.5	6856.9	6731.6
5°	6813.7	6811.7	6852.8	6891.8	6961.6	6998.6	7049.9	7002.7	6986.2	6863.0	6659.7
7.5°	6372.2	6394.8	6442.0	6503.6	6604.3	6713.1	6836.3	6821.9	6871.2	6789.1	6536.5
10°	5938.9	5926.6	6000.5	6092.9	6247.0	6386.6	6565.3	6563.2	6692.6	6684.4	6396.9
12.5°	5559.0	5557.0	5614.5	5719.2	5899.9	6095.0	6337.3	6343.5	6503.6	6569.4	6277.8
15°	5238.6	5242.8	5298.2	5407.0	5593.9	5832.1	6113.5	6164.8	6345.5	6479.0	6160.7
17.5°	5010.7	5012.8	5045.6	5140.1	5322.8	5577.5	5916.3	5986.1	6218.2	6411.2	6066.2
20°	4906.0	4897.8	4903.9	4951.1	5092.8	5324.9	5715.1	5805.4	6101.1	6364.0	5980.0
22.5°	4920.3	4908.0	4879.3	4873.1	4936.8	5113.4	5501.5	5612.4	5973.8	6335.3	5902.0
25°	5047.7	5021.0	4979.9	4918.3	4893.6	4982.0	5314.6	5429.6	5854.7	6337.3	5842.4
27.5°	5242.8	5214.0	5162.7	5080.5	4984.0	4947.0	5187.3	5296.1	5770.5	6384.5	5813.6
30°	5491.2	5468.6	5419.4	5320.8	5191.4	5039.5	5160.6	5251.0	5729.5	6481.1	5826.0
32.5°	5784.9	5768.5	5727.4	5637.0	5489.2	5257.1	5251.0	5320.8	5762.3	6620.7	5873.2
35°	6068.3	6074.5	6076.5	6027.2	5869.1	5587.8	5499.5	5524.1	5897.8	6830.2	5980.0
37.5°	6374.3	6359.9	6433.8	6468.7	6316.8	6017.0	5883.5	5885.5	6156.6	7140.3	6181.2
40°	6606.3	6610.4	6770.6	6914.4	6850.7	6561.1	6370.2	6368.1	6555.0	7565.3	6505.7
42.5°	6824.0	6850.7	7086.9	7333.3	7421.6	7164.9	7027.3	6976.0	7113.6	8140.3	6992.4
45°	7056.1	7095.1	7425.7	7776.9	8008.9	7856.9	7748.1	7768.6	7785.1	8809.8	7647.5
47.5°	7327.1	7351.8	7760.4	8255.3	8688.6	8649.6	8655.8	8631.1	8622.9	9653.8	8514.1
50°	7655.7	7713.2	8183.5	8774.9	9366.3	9625.1	9711.3	9721.6	9588.1	10573.8	9411.5
52.5°	8353.9	8423.7	8826.2	9343.7	10105.6	10649.8	11001.0	10931.1	10725.8	11465.1	10395.2
55°	9177.4	9230.8	9618.9	10154.9	11009.2	11773.1	12606.8	12578.1	12075.0	12403.5	11204.3
57.5°	9255.4	9315.0	9916.7	10738.1	12169.4	13161.3	14038.2	14130.6	13393.4	13068.9	11927.1
60°	8378.6	8499.7	9321.1	10426.0	12613.0	15028.0	15607.1	15625.6	14360.6	13744.5	12810.2
62.5°	6715.2	6772.7	7600.3	9041.9	11929.2	16116.4	18003.6	17613.4	15603.0	14789.8	14208.6
65°	3519.8	3753.9	4474.7	6070.3	9674.4	15736.5	20886.8	20780.0	17837.3	16286.8	15297.0
67.5°	2415.0	2412.9	2583.4	3164.5	5768.5	13549.4	22301.7	23476.4	20420.7	16800.2	14508.5
70°	1837.9	1844.1	1996.1	2373.9	2987.9	9019.3	20749.2	22757.6	20901.2	15253.9	11734.1
72.5°	1219.8	1232.1	1484.7	1918.0	2386.2	4421.3	16124.6	18209.0	17586.7	12251.6	8259.4
75°	729.0	739.3	920.0	1394.4	2121.3	2474.5	10245.2	12588.4	12105.8	8444.3	4427.5
77.5°	299.8	308.0	472.3	868.7	1552.5	1922.1	5665.8	8236.9	7251.1	3357.6	1209.6
80°	125.3	129.4	227.9	607.9	1119.2	1205.4	2624.5	3871.0	2971.5	722.9	369.6
82.5°	45.2	47.2	84.2	334.7	696.2	907.7	1324.6	1529.9	837.9	236.2	199.2
85°	2.1	2.1	20.5	112.9	264.9	256.7	757.8	733.1	277.2	98.6	119.1
87.5°	0.0	0.0	2.1	2.1	4.1	10.3	71.9	127.3	59.6	24.6	51.3
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°	6692.6	6692.6	6692.6	6692.6	6692.6	6692.6	6692.6	6692.6	6692.6	6692.6	6692.6
2.5°	6649.4	6540.6	6421.5	6310.6	6134.0	6029.3	5899.9	5842.4	5760.3	5739.7	5752.0
5°	6513.9	6327.0	6041.6	5782.8	5448.1	5179.1	4908.0	4793.0	4645.2	4546.6	4505.5
7.5°	6322.9	6078.6	5632.9	5162.7	4702.7	4211.9	3838.1	3591.7	3367.8	3244.6	3220.0
10°	6129.9	5811.6	5172.9	4499.4	3786.8	3199.5	2694.3	2320.5	2016.6	1879.0	1772.2
12.5°	5930.7	5534.4	4704.7	3825.8	2998.2	2197.3	1573.0	1209.6	991.9	905.6	920.0
15°	5747.9	5267.4	4240.6	3152.2	2111.1	1326.6	868.7	733.1	681.8	665.4	663.3
17.5°	5573.4	5014.8	3778.6	2497.1	1392.3	813.2	665.4	632.5	618.1	609.9	609.9
20°	5415.3	4772.5	3326.8	1881.1	899.5	644.8	601.7	585.3	572.9	566.8	566.8
22.5°	5267.4	4538.4	2885.3	1330.7	663.3	579.1	552.4	536.0	521.6	513.4	513.4
25°	5133.9	4326.9	2464.3	915.9	570.9	529.8	501.1	482.6	457.9	443.6	443.6
27.5°	5037.4	4137.9	2059.7	667.4	515.4	476.4	443.6	418.9	392.2	375.8	371.7
30°	4979.9	3977.8	1651.1	548.3	464.1	425.1	388.1	357.3	326.5	310.1	308.0
32.5°	4947.0	3829.9	1277.3	478.5	421.0	375.8	334.7	301.9	271.1	252.6	250.5
35°	4959.4	3714.9	957.0	431.2	379.9	332.7	287.5	254.6	227.9	211.5	207.4
37.5°	5066.1	3663.6	718.7	394.3	345.0	295.7	248.5	217.7	193.0	180.7	178.7
40°	5273.6	3673.8	564.7	365.5	316.2	258.7	213.6	184.8	166.3	156.1	154.0
42.5°	5596.0	3760.1	466.2	340.9	285.4	225.9	184.8	162.2	143.7	133.5	131.4
45°	6076.5	3938.7	406.6	312.1	252.6	195.1	160.2	139.6	123.2	110.9	108.8
47.5°	6772.7	4248.8	367.6	285.4	223.8	168.4	137.6	117.1	102.7	92.4	90.4
50°	7514.0	4620.5	334.7	258.7	199.2	145.8	117.1	96.5	84.2	73.9	71.9
52.5°	8304.6	5021.0	310.1	234.1	176.6	125.3	98.6	80.1	67.8	57.5	55.4
55°	9064.4	5423.5	281.3	217.7	149.9	106.8	82.1	65.7	53.4	45.2	45.2
57.5°	9803.7	5793.1	250.5	191.0	123.2	90.4	67.8	53.4	43.1	37.0	34.9
60°	10686.8	6304.5	215.6	162.2	102.7	76.0	55.4	43.1	34.9	28.7	28.7
62.5°	11999.0	6836.3	184.8	135.5	86.2	63.7	45.2	34.9	28.7	24.6	22.6
65°	12428.2	6548.8	156.1	110.9	69.8	51.3	37.0	30.8	24.6	22.6	20.5
67.5°	11282.3	5368.0	129.4	90.4	57.5	43.1	32.9	26.7	22.6	20.5	18.5
70°	8803.6	3809.4	100.6	67.8	47.2	34.9	28.7	24.6	20.5	18.5	18.5
72.5°	5988.2	2252.8	80.1	51.3	39.0	30.8	24.6	22.6	20.5	18.5	16.4
75°	2948.9	800.9	61.6	39.0	30.8	26.7	22.6	20.5	18.5	16.4	16.4
77.5°	794.7	221.8	47.2	30.8	24.6	20.5	20.5	20.5	18.5	14.4	14.4
80°	269.0	92.4	34.9	22.6	20.5	16.4	14.4	18.5	16.4	14.4	12.3
82.5°	147.9	45.2	24.6	18.5	14.4	12.3	12.3	12.3	12.3	10.3	10.3
85°	94.5	24.6	16.4	14.4	14.4	10.3	8.2	8.2	6.2	6.2	6.2
87.5°	43.1	14.4	14.4	12.3	12.3	10.3	6.2	4.1	2.1	2.1	2.1
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)