

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: P635879

Luminaire Tested: GWS-SA3E-760-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635879
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-760-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18606.1 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

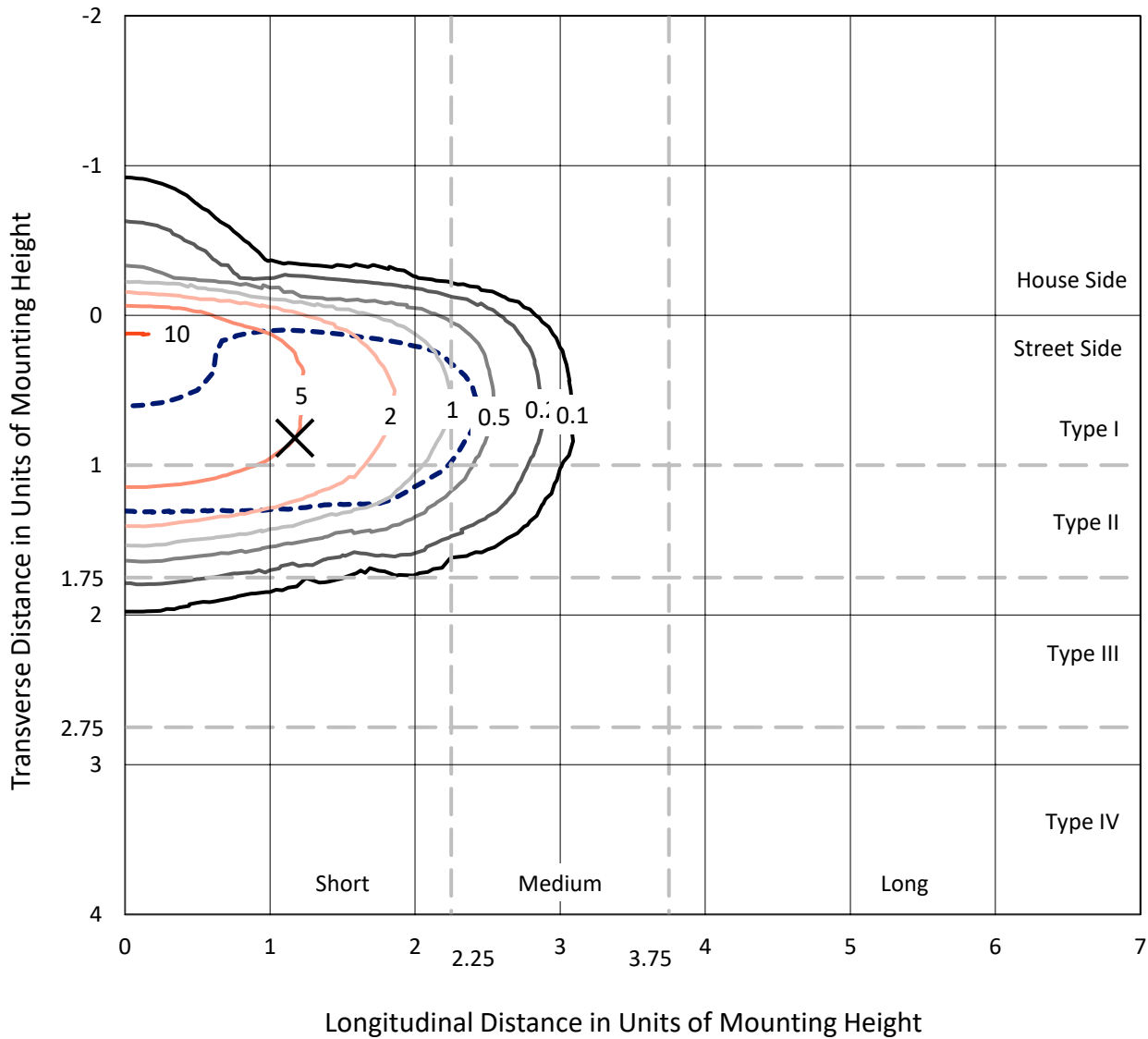
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

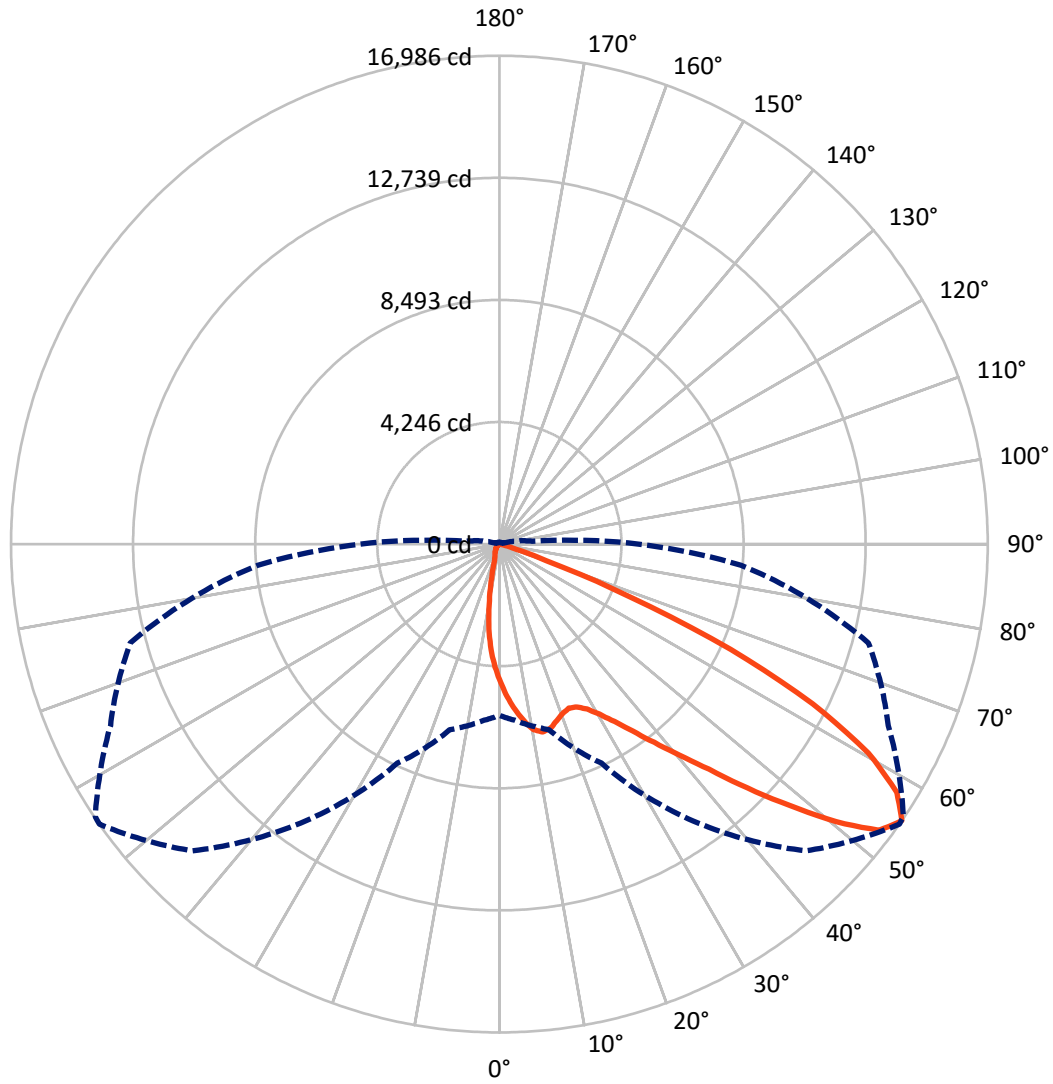
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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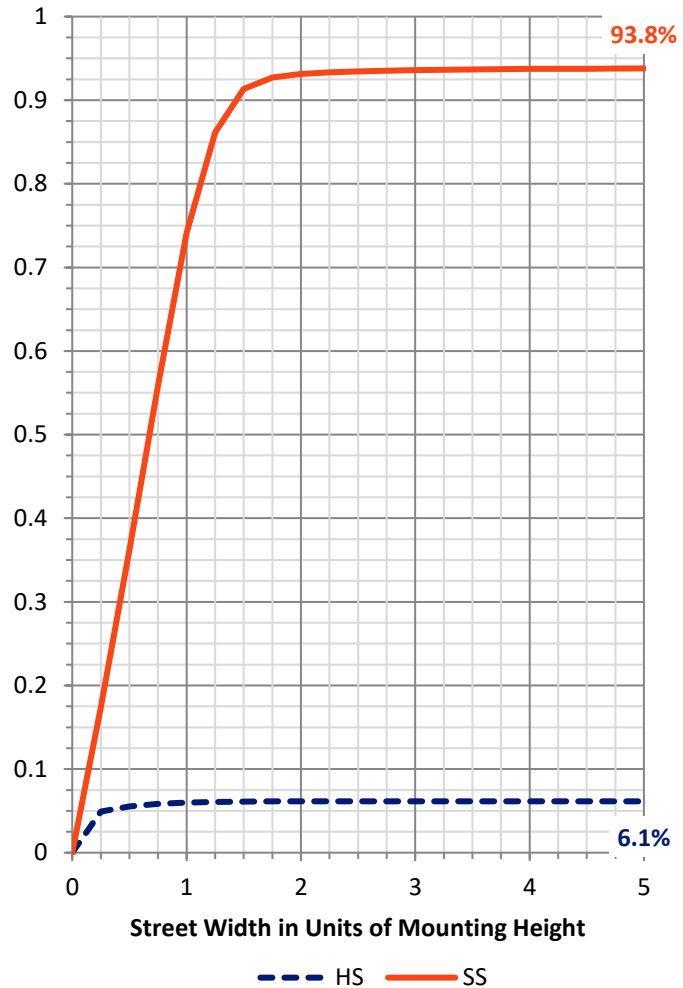
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1148.1	0.0	1148.1
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	17458.0	0.0	17458.0
	% Fixture	93.8	0.0	93.8
Total	Lumens	18606.1	0.0	18606.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	424.8	2.3
10°-20°	1024.1	5.5
20°-30°	1705.6	9.2
30°-40°	2906.4	15.6
40°-50°	4744.3	25.5
50°-60°	4967.1	26.7
60°-70°	2505.3	13.5
70°-80°	316.5	1.7
80°-90°	12.0	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°	18606.1	100.0
0°-180°	18606.1	100.0

Coefficient of Utilization



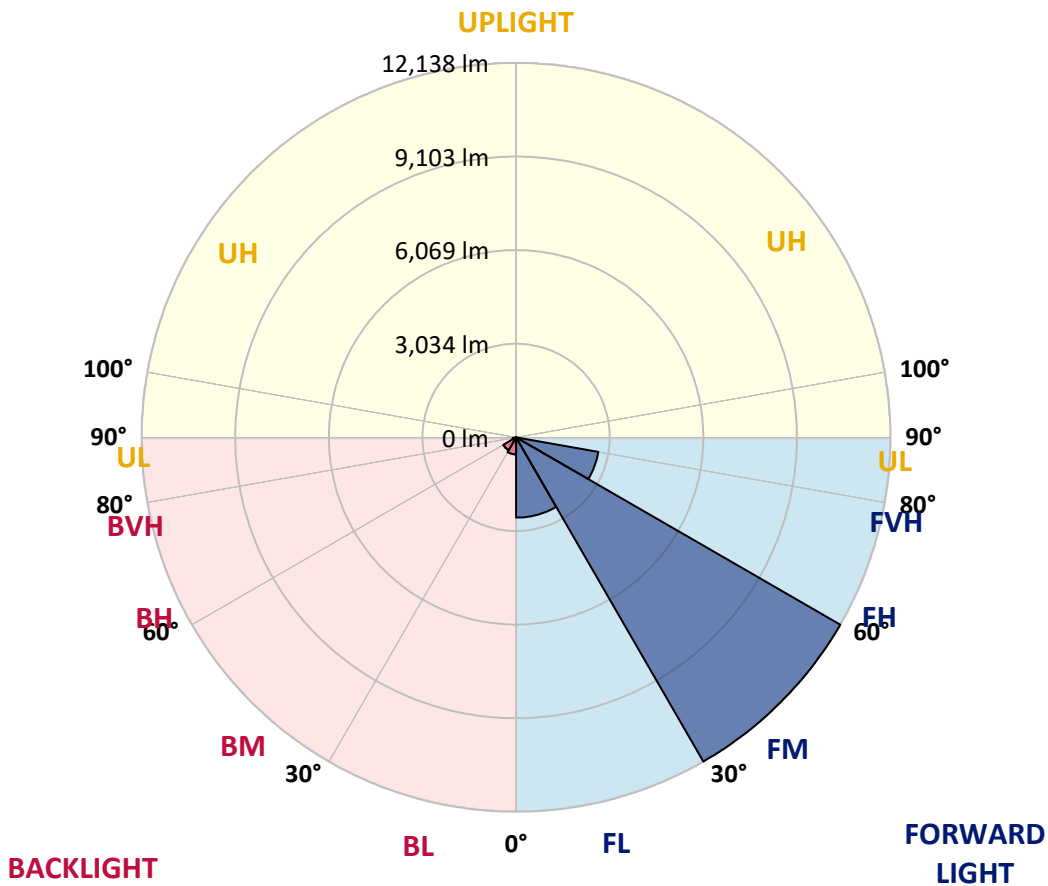
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2602.7	14.0			
FM (30°-60°)	12137.8	65.2			
FH (60°-80°)	2706.6	14.5			G2/5000
FVH (80°-90°)	10.9	0.1			G1/100
BL (0°-30°)	551.8	3.0	B2/1000		
BM (30°-60°)	480.0	2.6	B1/1000		
BH (60°-80°)	115.2	0.6	B1/500		G1/500
BVH (80°-90°)	1.1	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-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	4806.7	4806.7	4806.7	4806.7	4806.7	4806.7	4806.7	4806.7	4806.7	4806.7	4806.7
2.5°	5603.6	5576.6	5617.9	5570.2	5489.1	5420.7	5331.6	5299.8	5156.7	5021.5	4891.0
5°	6284.4	6292.3	6279.6	6212.8	6098.3	5971.0	5791.3	5751.5	5501.8	5244.1	4965.8
7.5°	6453.0	6448.2	6475.2	6500.7	6481.6	6418.0	6222.3	6182.6	5872.4	5485.9	5080.3
10°	5932.9	5936.0	5991.7	6163.5	6376.6	6597.7	6567.5	6545.2	6241.4	5759.5	5207.6
12.5°	5198.0	5226.6	5285.5	5530.4	5891.5	6394.1	6705.9	6728.1	6580.2	6060.1	5357.1
15°	4879.9	4886.3	4934.0	5081.9	5350.7	5971.0	6647.0	6709.1	6863.3	6362.3	5519.3
17.5°	4871.9	4879.9	4900.6	4965.8	5140.7	5638.6	6457.7	6565.9	7076.5	6686.8	5713.4
20°	5171.0	5166.2	5151.9	5116.9	5193.2	5528.8	6282.8	6402.1	7192.6	7003.3	5909.0
22.5°	5713.4	5707.0	5643.4	5498.6	5436.6	5629.1	6196.9	6305.1	7262.6	7284.8	6069.6
25°	6338.5	6383.0	6263.7	6044.2	5891.5	5885.1	6273.2	6349.6	7323.0	7534.6	6179.4
27.5°	7024.0	7038.3	6936.5	6690.0	6468.9	6295.5	6494.3	6551.6	7389.8	7757.2	6241.4
30°	7776.3	7771.6	7655.5	7369.1	7100.3	6850.6	6866.5	6888.8	7545.7	8011.7	6309.8
32.5°	8716.4	8737.0	8530.3	8140.6	7817.7	7472.5	7353.2	7356.4	7827.2	8339.4	6413.2
35°	9993.6	9942.7	9669.1	9114.0	8563.7	8191.5	7987.9	7970.4	8261.5	8780.0	6592.9
37.5°	11210.4	11215.2	10928.9	10318.1	9623.0	9036.1	8748.2	8700.5	8872.2	9390.8	6892.0
40°	12055.0	12070.9	11951.6	11631.9	10895.5	10065.2	9642.1	9592.8	9664.4	10163.8	7283.3
42.5°	12501.9	12546.5	12579.9	12654.6	12096.3	11350.4	10699.8	10695.0	10620.3	11045.0	7736.6
45°	12519.4	12586.2	12789.8	13300.4	13364.0	12816.9	12109.1	12002.5	11714.6	11988.2	8142.2
47.5°	11827.5	11981.8	12414.5	13426.1	14094.1	14275.4	13574.0	13508.8	12700.8	12734.2	8446.0
50°	10214.7	10375.3	11172.2	12781.9	14278.6	15433.4	15182.1	15046.9	13524.7	13227.2	8592.3
52.5°	8560.5	8706.8	9247.6	11248.6	13513.5	15797.6	16537.2	16376.6	14264.3	13399.0	8531.9
55°	5956.7	6152.4	6680.4	8407.8	11751.2	15088.2	16985.8	16952.4	14924.4	13290.9	8438.0
57.5°	2920.3	3114.4	3640.8	5183.7	8705.2	13173.2	16300.2	16476.8	15318.9	13174.8	8361.7
60°	1220.0	1299.5	1480.8	2274.5	4870.3	9955.4	14752.6	14997.6	15077.1	13017.3	8353.7
62.5°	707.8	720.5	739.6	943.2	1894.4	5707.0	12237.9	12586.2	13806.2	12808.9	8228.1
65°	534.4	539.2	531.3	579.0	782.6	2164.8	8842.0	9316.0	11523.7	11994.5	7731.8
67.5°	439.0	439.0	418.3	427.9	491.5	811.2	4881.5	5543.2	8527.1	9858.4	6384.6
70°	349.9	357.9	348.3	335.6	351.5	448.5	1736.9	2153.6	4965.8	5821.5	3723.5
72.5°	265.6	265.6	281.5	272.0	260.9	281.5	606.0	680.8	1993.0	2427.2	1344.0
75°	205.2	211.5	222.7	213.1	197.2	167.0	291.1	308.6	601.2	564.7	300.6
77.5°	105.0	106.6	141.6	155.9	146.3	101.8	127.2	140.0	195.6	175.0	111.3
80°	63.6	66.8	79.5	122.5	97.0	54.1	52.5	55.7	92.3	79.5	46.1
82.5°	27.0	28.6	44.5	44.5	39.8	20.7	20.7	20.7	44.5	41.4	19.1
85°	0.0	0.0	8.0	6.4	6.4	8.0	8.0	8.0	11.1	15.9	9.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	4.8	4.8
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°	4806.7	4806.7	4806.7	4806.7	4806.7	4806.7	4806.7	4806.7	4806.7	4806.7	4806.7
2.5°	4806.7	4704.9	4568.1	4444.1	4277.1	4183.2	4052.8	3946.2	3855.6	3826.9	3814.2
5°	4808.3	4633.4	4340.7	4048.0	3688.6	3405.4	3114.4	2883.7	2694.4	2634.0	2618.1
7.5°	4840.1	4582.5	4108.5	3577.2	2976.0	2479.7	2035.9	1638.3	1453.8	1391.8	1379.0
10°	4883.1	4539.5	3839.7	3012.6	2148.9	1511.0	1070.5	816.0	695.1	628.3	637.8
12.5°	4938.7	4504.5	3542.2	2401.8	1422.0	830.3	588.5	493.1	467.6	454.9	448.5
15°	5013.5	4463.2	3173.2	1795.8	871.6	534.4	453.3	427.9	418.3	412.0	410.4
17.5°	5089.8	4415.4	2797.8	1262.9	579.0	443.8	407.2	394.5	388.1	383.3	381.7
20°	5171.0	4334.3	2357.2	870.0	456.5	399.2	375.4	361.1	353.1	345.2	343.6
22.5°	5206.0	4203.9	1935.7	609.2	405.6	367.4	337.2	319.7	310.2	303.8	303.8
25°	5172.6	3992.4	1499.9	462.9	369.0	332.4	302.2	283.1	275.2	268.8	268.8
27.5°	5083.5	3720.4	1094.3	383.3	329.2	295.8	267.2	249.7	243.4	240.2	240.2
30°	4984.9	3376.8	771.4	329.2	284.7	257.7	233.8	222.7	221.1	217.9	217.9
32.5°	4900.6	3055.5	531.3	289.5	251.3	224.3	208.4	203.6	205.2	202.0	203.6
35°	4854.4	2740.6	394.5	257.7	224.3	198.8	190.9	190.9	190.9	189.3	189.3
37.5°	4873.5	2430.4	321.3	235.4	200.4	181.3	173.4	176.6	179.7	179.7	179.7
40°	4969.0	2155.2	284.7	214.7	179.7	165.4	159.1	163.8	168.6	171.8	171.8
42.5°	5089.8	1932.6	257.7	197.2	165.4	149.5	146.3	151.1	155.9	159.1	159.1
45°	5166.2	1708.3	230.6	175.0	151.1	132.0	132.0	138.4	136.8	138.4	138.4
47.5°	5201.2	1530.1	203.6	151.1	128.8	114.5	116.1	119.3	116.1	119.3	119.3
50°	5115.3	1350.4	179.7	125.7	106.6	100.2	103.4	101.8	101.8	108.2	108.2
52.5°	4957.8	1216.8	159.1	106.6	90.7	89.1	92.3	85.9	87.5	87.5	85.9
55°	4841.7	1140.4	141.6	92.3	77.9	79.5	77.9	66.8	60.4	54.1	52.5
57.5°	4784.5	1110.2	128.8	82.7	70.0	70.0	63.6	46.1	35.0	27.0	23.9
60°	4771.7	1073.6	116.1	71.6	62.0	58.9	46.1	27.0	17.5	12.7	11.1
62.5°	4650.8	984.6	105.0	57.3	54.1	47.7	28.6	15.9	9.5	6.4	4.8
65°	4254.8	809.6	93.8	44.5	41.4	35.0	17.5	9.5	4.8	1.6	0.0
67.5°	3384.7	574.2	82.7	33.4	28.6	22.3	11.1	6.4	1.6	0.0	0.0
70°	1951.6	310.2	68.4	23.9	19.1	14.3	8.0	3.2	0.0	0.0	0.0
72.5°	652.1	144.7	52.5	15.9	14.3	11.1	4.8	1.6	0.0	0.0	0.0
75°	143.2	85.9	35.0	11.1	9.5	8.0	3.2	0.0	0.0	0.0	0.0
77.5°	54.1	60.4	17.5	8.0	6.4	4.8	1.6	0.0	0.0	0.0	0.0
80°	20.7	39.8	8.0	4.8	4.8	1.6	0.0	0.0	0.0	0.0	0.0
82.5°	11.1	15.9	4.8	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.4	8.0	3.2	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.2	1.6	1.6	1.6	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)