

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: P635249

Luminaire Tested: GWS-SA3D-735-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635249
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-SA3D-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13998.1 lumens
Efficiency: N/A
Efficacy: 115.9 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

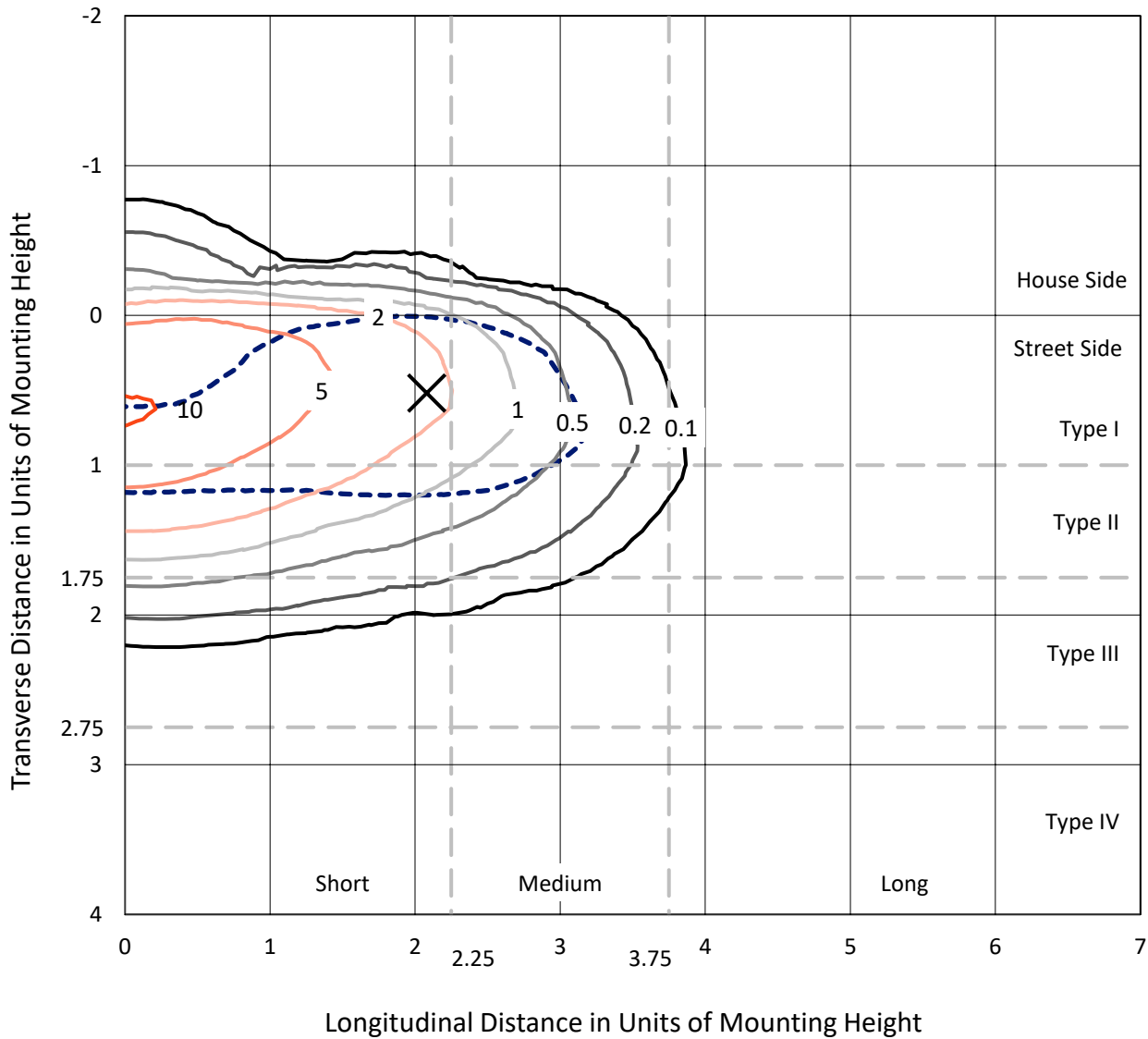
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

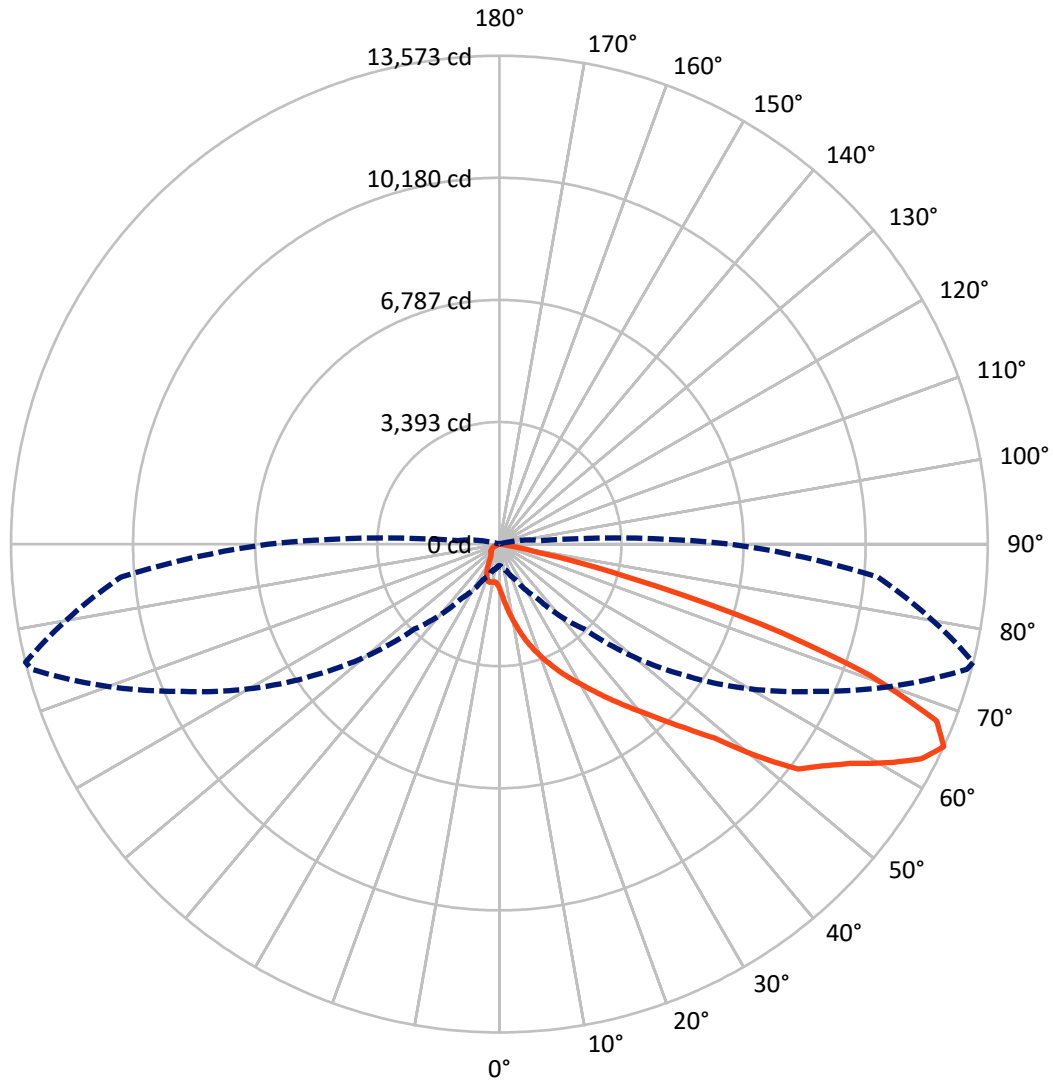
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.5 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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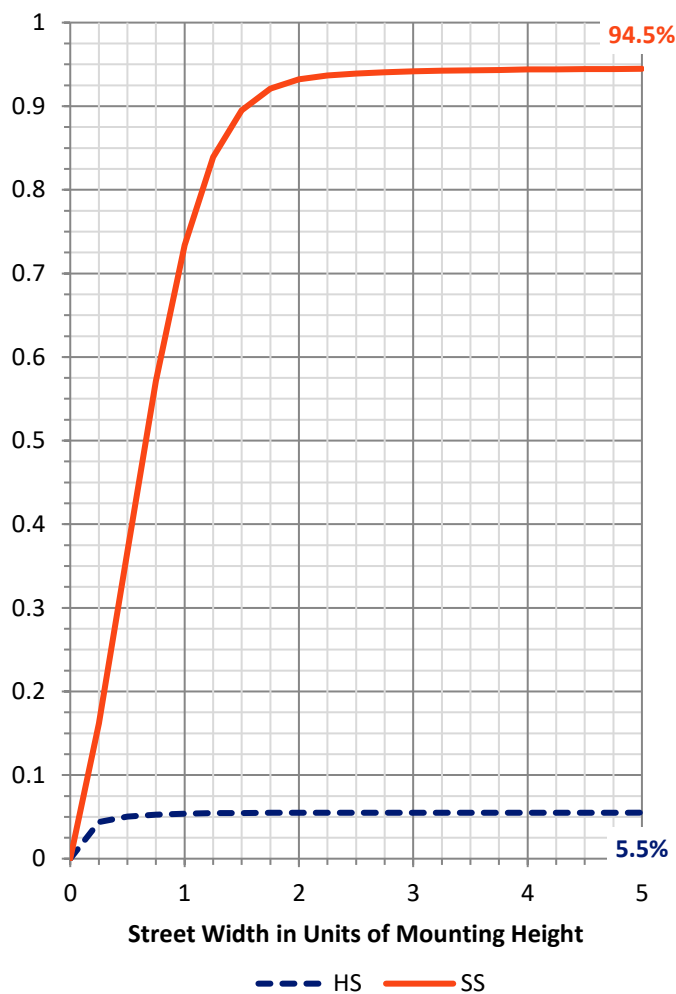
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	774.0	0.0	774.0
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	13224.1	0.0	13224.1
	% Fixture	94.5	0.0	94.5
Total	Lumens	13998.1	0.0	13998.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	1.1
10°-20°	572.1	4.1
20°-30°	1167.2	8.3
30°-40°	2075.9	14.8
40°-50°	3068.6	21.9
50°-60°	3513.3	25.1
60°-70°	2680.5	19.1
70°-80°	750.9	5.4
80°-90°	18.9	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°	13998.1	100.0
0°-180°	13998.1	100.0

Coefficient of Utilization



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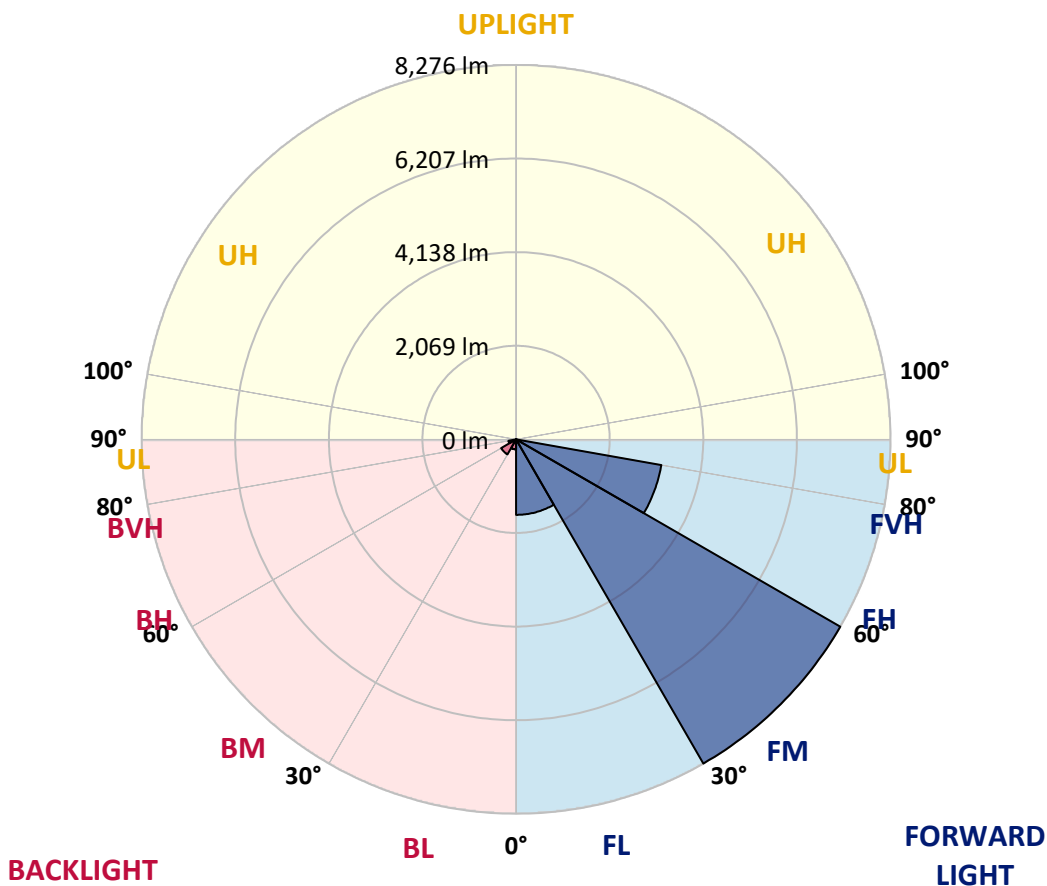
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1669.2	11.9			
FM (30°-60°)	8275.9	59.1			
FH (60°-80°)	3261.2	23.3			G2/5000
FVH (80°-90°)	17.8	0.1			G1/100
BL (0°-30°)	220.9	1.6	B1/500		
BM (30°-60°)	381.9	2.7	B1/1000		
BH (60°-80°)	170.2	1.2	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: 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°	1239.3	1239.3	1239.3	1239.3	1239.3	1239.3	1239.3	1239.3	1239.3	1239.3	1239.3
2.5°	1910.0	1938.7	1916.3	1878.9	1806.8	1737.1	1647.5	1524.3	1426.0	1413.5	1321.5
5°	2579.5	2577.0	2528.5	2479.9	2404.0	2284.6	2104.1	1875.2	1654.9	1636.3	1429.7
7.5°	2977.7	2981.4	2954.0	2916.7	2842.0	2718.8	2530.9	2254.7	1932.4	1895.1	1577.8
10°	3312.4	3311.1	3291.2	3273.8	3206.6	3124.5	2922.9	2619.3	2231.1	2172.6	1743.3
12.5°	3563.7	3572.4	3582.4	3599.8	3571.2	3490.3	3299.9	2968.9	2533.4	2468.7	1932.4
15°	3762.8	3765.3	3802.6	3869.8	3893.5	3851.2	3678.2	3307.4	2832.1	2776.1	2150.2
17.5°	3822.6	3827.5	3891.0	4014.2	4138.6	4162.2	4031.6	3648.3	3125.7	3066.0	2361.7
20°	3948.2	3959.4	4006.7	4115.0	4271.7	4398.7	4347.7	3993.0	3419.4	3341.0	2578.2
22.5°	4343.9	4350.1	4334.0	4347.7	4428.5	4575.4	4606.5	4326.5	3720.5	3637.1	2812.2
25°	5024.6	5027.1	4913.8	4806.8	4745.8	4773.2	4841.6	4633.8	4019.2	3937.0	3029.9
27.5°	5731.3	5740.0	5604.4	5422.7	5205.0	5080.6	5060.6	4915.1	4320.3	4229.4	3245.2
30°	6397.0	6397.0	6254.0	6032.5	5741.3	5498.6	5355.6	5198.8	4642.6	4543.0	3465.4
32.5°	6995.6	6990.6	6807.7	6567.5	6280.1	6013.8	5712.7	5494.9	5000.9	4890.2	3719.3
35°	7489.6	7477.1	7269.3	7039.1	6731.8	6533.9	6198.0	5813.5	5389.1	5278.4	3980.6
37.5°	7862.9	7849.2	7658.8	7414.9	7130.0	7001.8	6720.6	6195.5	5798.5	5697.7	4270.5
40°	8065.7	8038.3	7906.4	7724.7	7485.8	7373.8	7256.9	6669.6	6280.1	6154.4	4612.7
42.5°	8125.4	8093.1	8006.0	7921.3	7777.0	7688.7	7814.3	7204.6	6808.9	6700.7	5003.4
45°	7948.7	7930.0	7922.6	7983.6	8009.7	8034.6	8344.4	7796.9	7392.5	7310.4	5494.9
47.5°	7523.2	7518.2	7584.1	7838.0	8114.2	8376.8	8920.5	8527.3	8149.0	8060.7	6181.8
50°	6736.7	6787.8	6971.9	7417.4	7969.9	8570.9	9459.3	9540.2	9373.5	9244.1	7077.7
52.5°	5507.4	5605.7	6018.8	6695.7	7489.6	8516.1	9708.2	10351.5	10522.0	10387.6	7719.8
55°	4321.5	4413.6	4781.9	5640.5	6699.4	8099.3	9719.4	10631.5	11003.5	10879.1	8154.0
57.5°	3219.1	3303.7	3638.4	4459.6	5624.3	7279.3	9453.1	10787.0	11574.7	11495.0	8839.6
60°	2104.1	2187.5	2489.9	3207.9	4362.6	6084.7	8797.3	10754.7	12352.4	12344.9	9682.1
62.5°	1167.2	1233.1	1452.1	2012.1	3044.9	4712.2	7767.0	10429.9	13105.2	13152.5	10376.4
65°	597.3	639.6	772.7	1106.2	1842.8	3341.0	6412.0	9685.8	13453.6	13573.0	10559.3
67.5°	390.7	404.4	436.8	574.9	986.7	2101.7	4825.5	8492.5	12963.3	13102.7	9945.8
70°	317.3	328.5	347.2	383.3	508.9	1116.2	3169.3	6782.8	10831.8	10926.4	7920.1
72.5°	232.7	247.6	283.7	307.3	367.1	612.2	1648.7	4452.2	7438.5	7605.3	4977.3
75°	171.7	180.4	210.3	242.6	299.9	387.0	630.9	2340.6	3841.2	3744.2	2090.5
77.5°	103.3	109.5	134.4	155.5	214.0	241.4	220.2	864.8	1168.4	1098.7	505.2
80°	51.0	57.2	88.3	117.0	136.9	97.1	92.1	241.4	260.1	260.1	126.9
82.5°	17.4	22.4	47.3	77.1	67.2	37.3	43.6	62.2	69.7	73.4	37.3
85°	0.0	0.0	11.2	22.4	10.0	5.0	11.2	13.7	17.4	18.7	12.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	3.7	5.0	5.0
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°	1239.3	1239.3	1239.3	1239.3	1239.3	1239.3	1239.3	1239.3	1239.3	1239.3	1239.3
2.5°	1271.7	1213.2	1124.9	1045.2	984.3	927.0	883.5	848.6	842.4	822.5	825.0
5°	1328.9	1223.2	1060.2	934.5	846.1	786.4	736.6	699.3	683.1	667.0	654.5
7.5°	1417.3	1264.2	1035.3	882.2	778.9	686.9	609.7	547.5	517.6	499.0	486.5
10°	1525.5	1321.5	1036.5	851.1	698.1	557.5	451.7	383.3	350.9	340.9	339.7
12.5°	1654.9	1393.6	1046.5	800.1	581.1	414.4	334.7	303.6	293.7	284.9	284.9
15°	1791.8	1474.5	1046.5	706.8	443.0	323.5	289.9	270.0	257.6	252.6	250.1
17.5°	1936.2	1550.4	1021.6	578.6	339.7	284.9	257.6	238.9	229.0	221.5	219.0
20°	2090.5	1622.6	959.4	443.0	291.2	255.1	229.0	210.3	200.3	192.9	192.9
22.5°	2247.2	1689.8	858.6	340.9	257.6	226.5	201.6	184.2	174.2	166.7	166.7
25°	2392.8	1734.6	729.2	281.2	232.7	201.6	179.2	161.8	150.6	145.6	143.1
27.5°	2528.5	1763.2	586.1	247.6	209.0	180.4	156.8	140.6	131.9	128.2	125.7
30°	2669.1	1770.7	448.0	225.2	189.1	159.3	136.9	124.4	117.0	112.0	112.0
32.5°	2805.9	1762.0	342.2	206.6	171.7	140.6	121.9	110.7	104.5	100.8	99.5
35°	2945.3	1722.1	277.5	190.4	154.3	123.2	108.3	99.5	95.8	90.8	90.8
37.5°	3097.1	1668.6	241.4	174.2	136.9	110.7	97.1	90.8	85.9	82.1	80.9
40°	3286.2	1606.4	221.5	160.5	120.7	99.5	87.1	80.9	77.1	73.4	72.2
42.5°	3510.2	1545.4	211.5	145.6	108.3	88.3	78.4	70.9	67.2	62.2	61.0
45°	3827.5	1531.8	200.3	129.4	97.1	79.6	68.4	61.0	56.0	52.3	51.0
47.5°	4337.7	1570.3	181.7	112.0	85.9	69.7	58.5	52.3	46.0	42.3	39.8
50°	4844.1	1560.4	163.0	97.1	75.9	59.7	49.8	43.6	37.3	33.6	32.4
52.5°	5120.4	1513.1	145.6	85.9	65.9	51.0	42.3	34.8	31.1	27.4	26.1
55°	5370.5	1494.4	128.2	74.7	56.0	44.8	34.8	28.6	26.1	22.4	21.2
57.5°	5860.7	1538.0	113.2	64.7	48.5	38.6	29.9	23.6	21.2	17.4	16.2
60°	6373.4	1543.0	97.1	56.0	42.3	32.4	23.6	18.7	16.2	12.4	11.2
62.5°	6640.9	1417.3	79.6	47.3	34.8	27.4	19.9	14.9	12.4	7.5	7.5
65°	6417.0	1146.0	67.2	38.6	27.4	21.2	14.9	11.2	7.5	3.7	1.2
67.5°	5679.1	815.0	56.0	31.1	19.9	14.9	11.2	7.5	1.2	0.0	0.0
70°	4158.5	465.4	43.6	22.4	14.9	10.0	7.5	3.7	0.0	0.0	0.0
72.5°	2555.8	248.9	32.4	14.9	11.2	7.5	6.2	2.5	0.0	0.0	0.0
75°	969.3	119.5	19.9	10.0	8.7	6.2	3.7	1.2	0.0	0.0	0.0
77.5°	262.6	58.5	11.2	7.5	6.2	3.7	2.5	0.0	0.0	0.0	0.0
80°	68.4	27.4	7.5	5.0	3.7	2.5	0.0	0.0	0.0	0.0	0.0
82.5°	23.6	12.4	3.7	3.7	2.5	1.2	0.0	0.0	0.0	0.0	0.0
85°	10.0	5.0	2.5	2.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.7	1.2	1.2	1.2	1.2	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)