

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: P634257

Luminaire Tested: GWS-SA3B-735-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634257
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-735-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6877 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

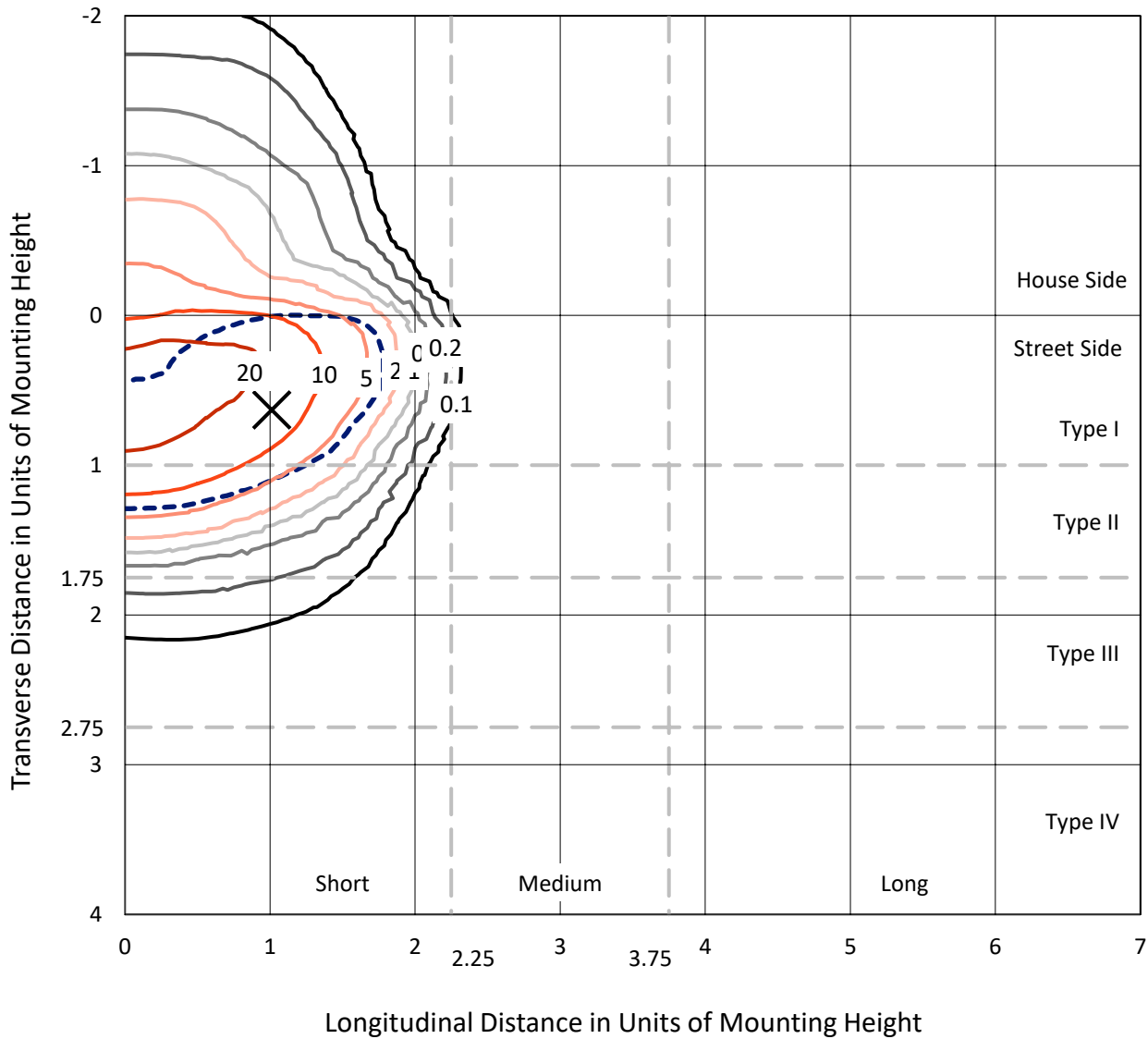
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

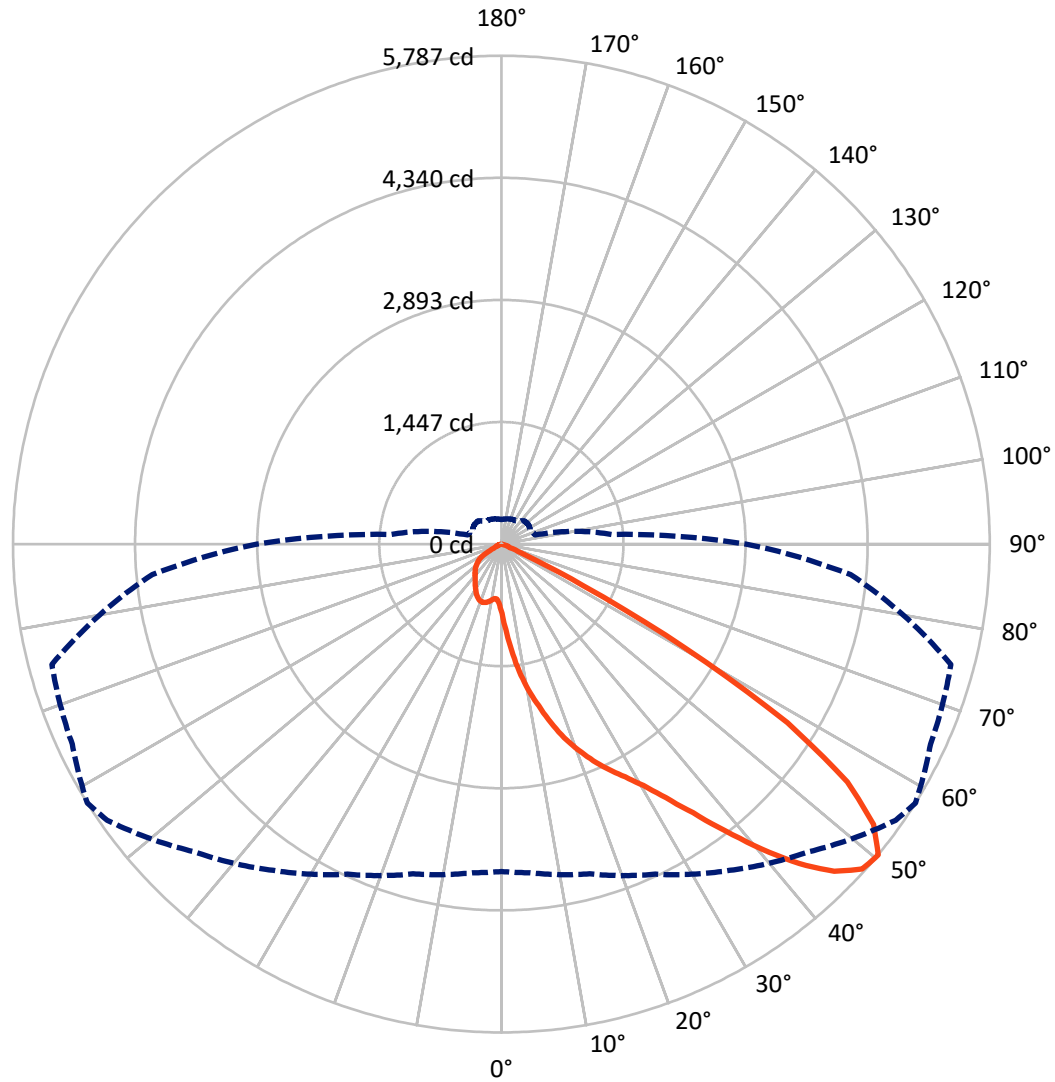
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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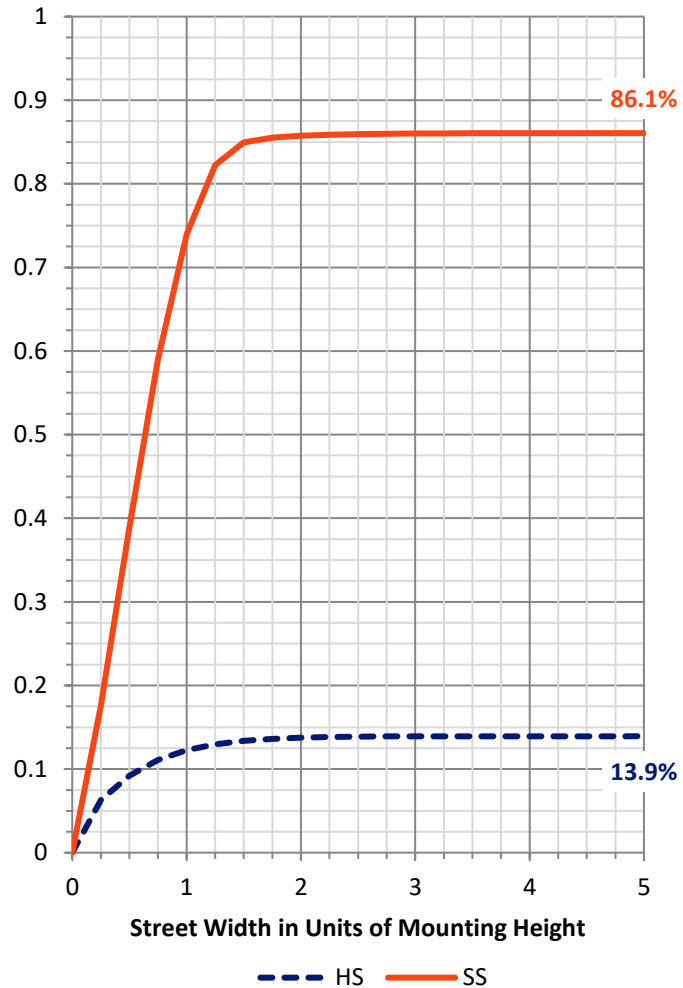
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	963.2	0.0	963.2
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	5913.8	0.0	5913.8
	% Fixture	86.0	0.0	86.0
Total	Lumens	6877.0	0.0	6877.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.8	1.5
10°-20°	402.9	5.9
20°-30°	815.2	11.9
30°-40°	1442.2	21.0
40°-50°	2102.4	30.6
50°-60°	1685.1	24.5
60°-70°	303.6	4.4
70°-80°	23.9	0.3
80°-90°	0.0	0.0
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°	6877.0	100.0
0°-180°	6877.0	100.0

Coefficient of Utilization



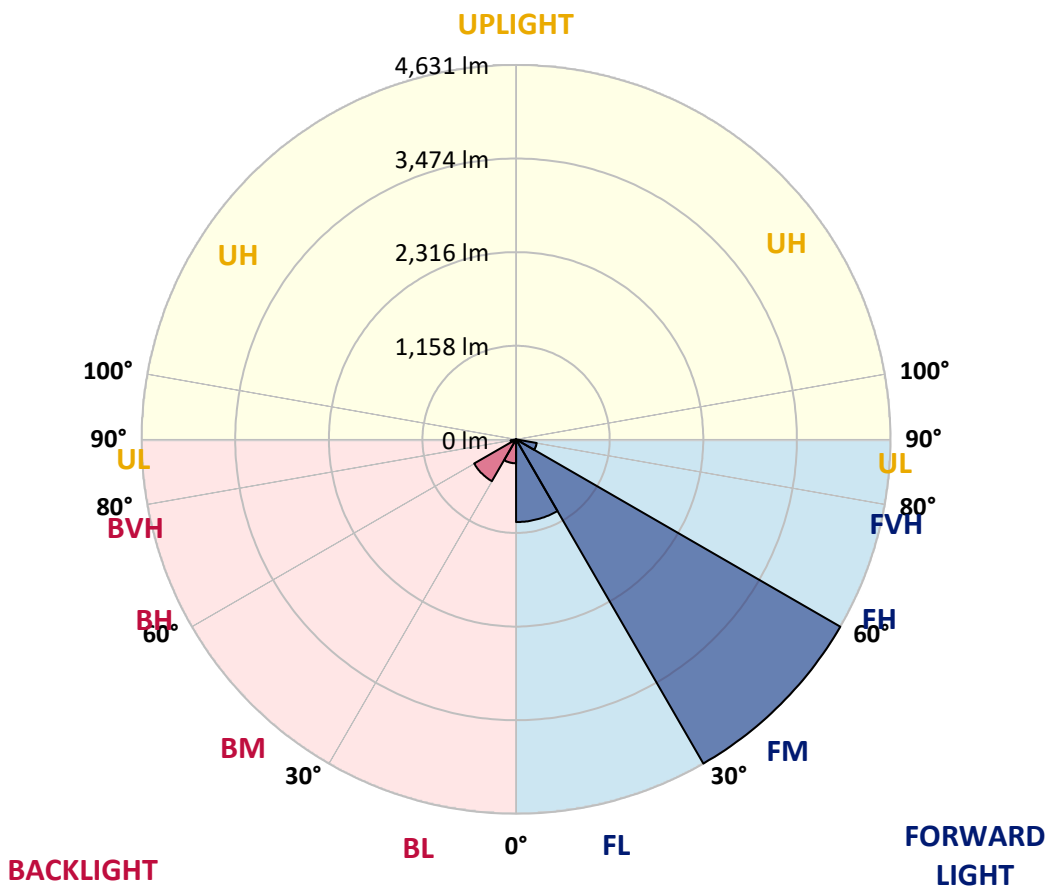
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1023.3	14.9			
FM (30°-60°)	4631.5	67.3			
FH (60°-80°)	259.0	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	296.5	4.3	B1/500		
BM (30°-60°)	598.2	8.7	B1/1000		
BH (60°-80°)	68.5	1.0	B0/110		G0/110
BVH (80°-90°)	0.0	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-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4
2.5°	1215.6	1196.5	1185.5	1176.6	1137.7	1075.9	1035.4	1014.1	978.8	919.3	867.8
5°	1586.3	1572.3	1546.6	1528.9	1478.9	1391.4	1300.9	1264.9	1184.7	1050.2	929.6
7.5°	1831.9	1821.6	1812.0	1788.5	1741.4	1662.0	1562.0	1524.5	1400.9	1209.7	1011.9
10°	2020.9	2012.8	2001.8	2001.0	1964.3	1892.9	1795.1	1756.1	1622.3	1383.3	1109.0
12.5°	2187.1	2180.5	2178.3	2198.9	2175.3	2122.4	2016.5	1967.9	1826.0	1560.5	1216.4
15°	2301.1	2299.6	2309.2	2349.6	2362.9	2338.6	2249.6	2197.4	2034.1	1738.5	1334.8
17.5°	2353.3	2357.7	2376.1	2446.0	2504.8	2525.4	2457.0	2412.9	2240.8	1918.7	1461.2
20°	2442.3	2440.8	2451.8	2518.0	2590.1	2663.6	2643.0	2605.5	2449.6	2109.1	1601.7
22.5°	2693.0	2671.7	2648.2	2658.5	2684.2	2770.3	2808.5	2789.4	2665.1	2304.8	1746.6
25°	3078.4	3056.3	2980.6	2907.1	2858.5	2897.5	2949.7	2959.3	2879.1	2505.5	1898.1
27.5°	3487.3	3467.4	3382.1	3271.8	3132.8	3065.2	3104.1	3123.3	3089.4	2744.5	2059.1
30°	3870.4	3844.0	3750.6	3613.8	3452.7	3349.0	3304.9	3318.1	3338.0	3027.7	2248.1
32.5°	4202.8	4183.0	4071.2	3927.1	3771.9	3663.8	3560.8	3582.9	3631.4	3374.0	2490.1
35°	4484.5	4474.2	4355.8	4212.4	4048.4	3993.2	3905.0	3909.4	3957.9	3792.5	2785.0
37.5°	4729.4	4711.7	4604.4	4471.3	4341.1	4332.3	4308.0	4310.2	4335.2	4280.0	3124.0
40°	4883.8	4867.6	4791.2	4708.8	4616.1	4617.6	4743.4	4752.9	4724.2	4758.8	3482.1
42.5°	4941.9	4930.1	4889.0	4889.7	4880.1	4923.5	5159.6	5177.2	5074.3	5134.6	3788.1
45°	4841.2	4836.0	4839.0	4944.9	5059.6	5193.4	5500.1	5531.0	5385.4	5383.9	4027.1
47.5°	4516.1	4505.8	4591.9	4772.0	5037.5	5297.8	5706.0	5753.8	5603.0	5526.6	4177.1
50°	3879.3	3908.7	4044.7	4315.3	4719.1	5154.4	5703.8	5786.9	5611.1	5514.1	4152.1
52.5°	2810.0	2804.1	3101.9	3474.0	3965.3	4695.6	5400.8	5522.1	5414.8	5391.2	4096.2
55°	1528.9	1582.6	1783.4	2276.1	2889.4	3827.0	4708.8	4973.5	5097.8	5346.4	4196.9
57.5°	561.8	585.4	711.1	1059.7	1529.6	2379.8	3596.9	3996.2	4380.1	5221.4	4180.0
60°	226.5	230.9	280.9	389.8	642.7	1211.2	2157.7	2512.1	2874.0	3996.9	3207.8
62.5°	164.7	170.6	190.5	228.0	325.0	529.5	930.3	1081.8	1182.5	1979.7	1580.4
65°	133.1	137.5	153.7	170.6	214.7	284.6	300.0	289.0	287.5	511.8	362.6
67.5°	110.3	114.7	126.5	138.3	154.4	141.9	103.0	108.1	88.2	87.5	71.3
70°	80.9	86.0	97.8	110.3	92.7	38.2	59.6	88.2	66.9	55.9	54.4
72.5°	61.0	64.7	75.7	72.1	27.2	14.7	39.7	64.0	51.5	41.2	40.4
75°	45.6	47.8	38.2	11.8	2.9	3.7	14.7	26.5	28.7	23.5	23.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.2	2.9	3.7	4.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4	821.4
2.5°	838.4	807.5	763.3	726.6	698.6	671.4	650.8	630.2	629.5	619.2	617.0
5°	873.7	817.8	736.9	678.8	643.5	622.2	607.4	600.1	596.4	592.7	591.3
7.5°	924.4	844.2	732.5	670.7	641.3	627.3	617.0	612.6	610.4	607.4	606.7
10°	986.9	882.5	748.6	686.1	660.4	647.2	636.1	629.5	625.8	620.7	619.2
12.5°	1061.9	929.6	774.4	711.9	684.7	667.0	652.3	642.7	637.6	631.0	629.5
15°	1142.8	980.3	803.1	735.4	703.0	680.2	661.9	647.2	637.6	629.5	627.3
17.5°	1226.7	1031.8	828.8	751.6	711.9	684.7	658.2	638.3	626.6	616.3	613.3
20°	1320.8	1084.7	845.7	754.5	708.9	672.9	642.0	617.0	605.2	591.3	588.3
22.5°	1419.3	1134.0	853.1	747.9	692.8	650.8	617.7	592.0	575.1	560.4	556.0
25°	1514.9	1178.1	849.4	729.5	668.5	619.9	586.1	559.6	541.3	526.5	522.9
27.5°	1616.4	1214.9	836.2	702.3	635.4	586.1	553.8	531.0	514.0	497.9	494.2
30°	1730.4	1248.7	814.8	669.2	596.4	551.6	526.5	511.1	492.7	475.8	470.7
32.5°	1867.9	1278.9	783.9	629.5	561.8	521.4	507.4	495.7	474.3	456.7	453.0
35°	2025.3	1303.9	745.0	588.3	528.0	502.3	499.3	483.9	456.0	435.4	430.9
37.5°	2207.7	1328.1	698.6	547.9	503.0	493.5	494.2	467.7	433.9	408.9	405.9
40°	2404.0	1352.4	647.2	512.6	480.2	488.3	481.7	444.2	389.0	364.8	361.8
42.5°	2608.5	1378.9	594.9	479.5	461.1	468.5	458.9	397.1	357.4	344.9	343.4
45°	2793.1	1410.5	538.3	446.4	442.0	439.8	423.6	359.6	342.7	333.9	333.1
47.5°	2926.2	1405.4	478.0	414.8	421.4	414.0	364.8	342.0	328.0	316.2	313.3
50°	2901.9	1315.6	415.5	379.5	394.9	388.3	328.0	321.4	308.9	296.4	292.0
52.5°	2840.1	1193.6	361.1	342.0	366.2	350.8	303.0	296.4	285.3	269.2	264.0
55°	2873.2	1078.8	318.4	311.8	336.8	290.5	275.0	264.7	253.0	235.3	233.1
57.5°	2766.6	880.3	255.9	260.3	297.8	247.8	241.2	225.0	205.2	193.4	191.9
60°	1915.0	472.9	160.3	165.5	215.5	208.1	216.2	201.5	177.2	166.2	164.0
62.5°	879.5	189.7	87.5	83.8	113.3	141.2	185.3	183.9	153.7	136.0	134.6
65°	213.3	86.8	62.5	58.8	64.0	84.6	120.6	144.9	124.3	103.7	101.5
67.5°	69.1	70.6	57.4	53.7	56.6	63.2	72.1	80.2	79.4	72.8	71.3
70°	55.2	64.0	52.9	48.5	48.5	50.7	48.5	39.0	33.8	36.8	38.2
72.5°	41.2	48.5	41.9	37.5	36.0	35.3	30.2	22.1	15.4	14.0	13.2
75°	24.3	27.2	25.7	22.1	20.6	18.4	14.7	9.6	5.1	3.7	2.2
77.5°	4.4	5.1	5.9	4.4	3.7	2.9	2.2	0.7	0.0	0.0	0.0
80°	0.0	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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)