

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: P634752

Luminaire Tested: GWS-SA3C-735-U-T2R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634752
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-SA3C-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: 9222.8 lumens
Efficiency: N/A
Efficacy: 99.2 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

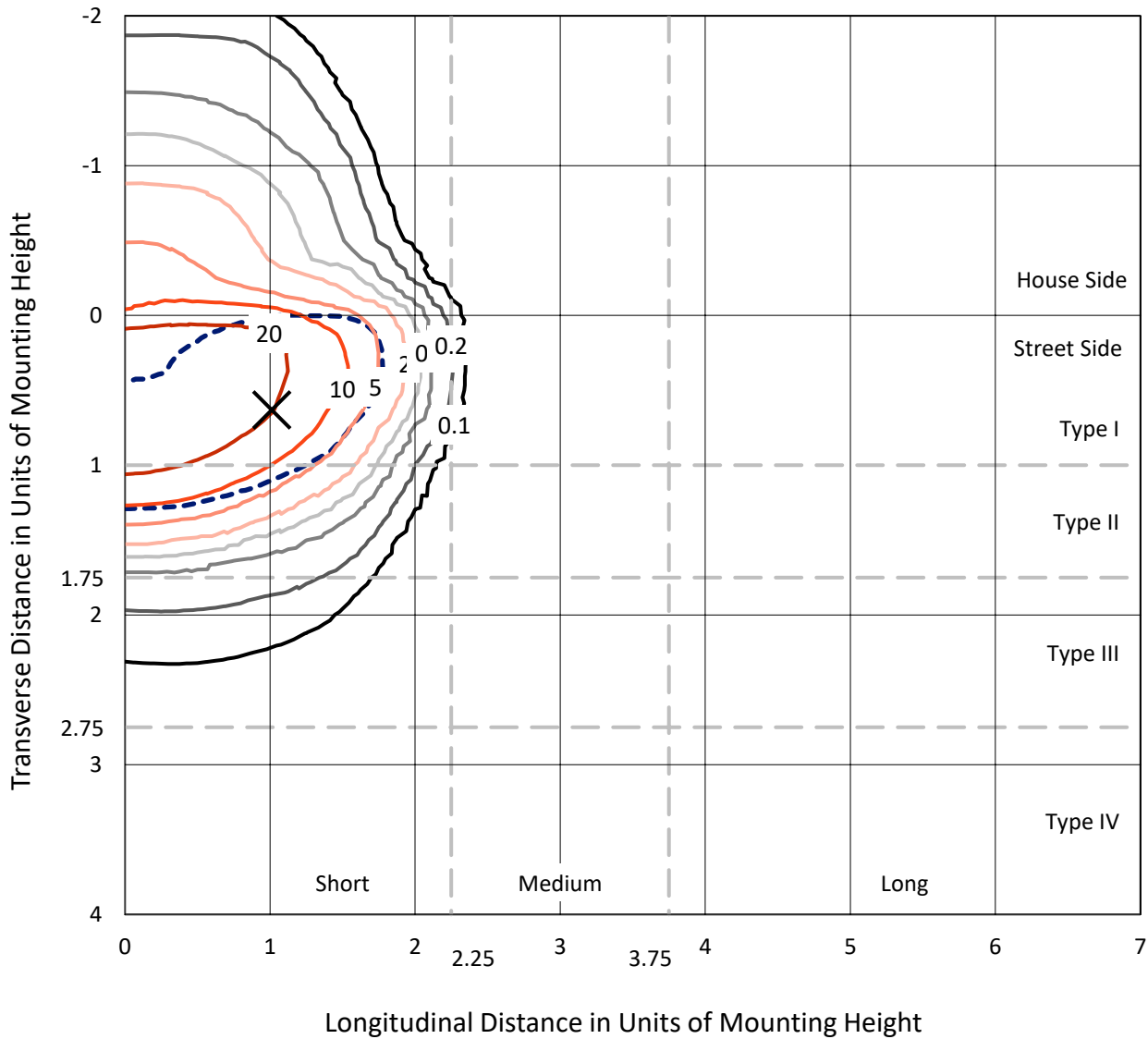
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

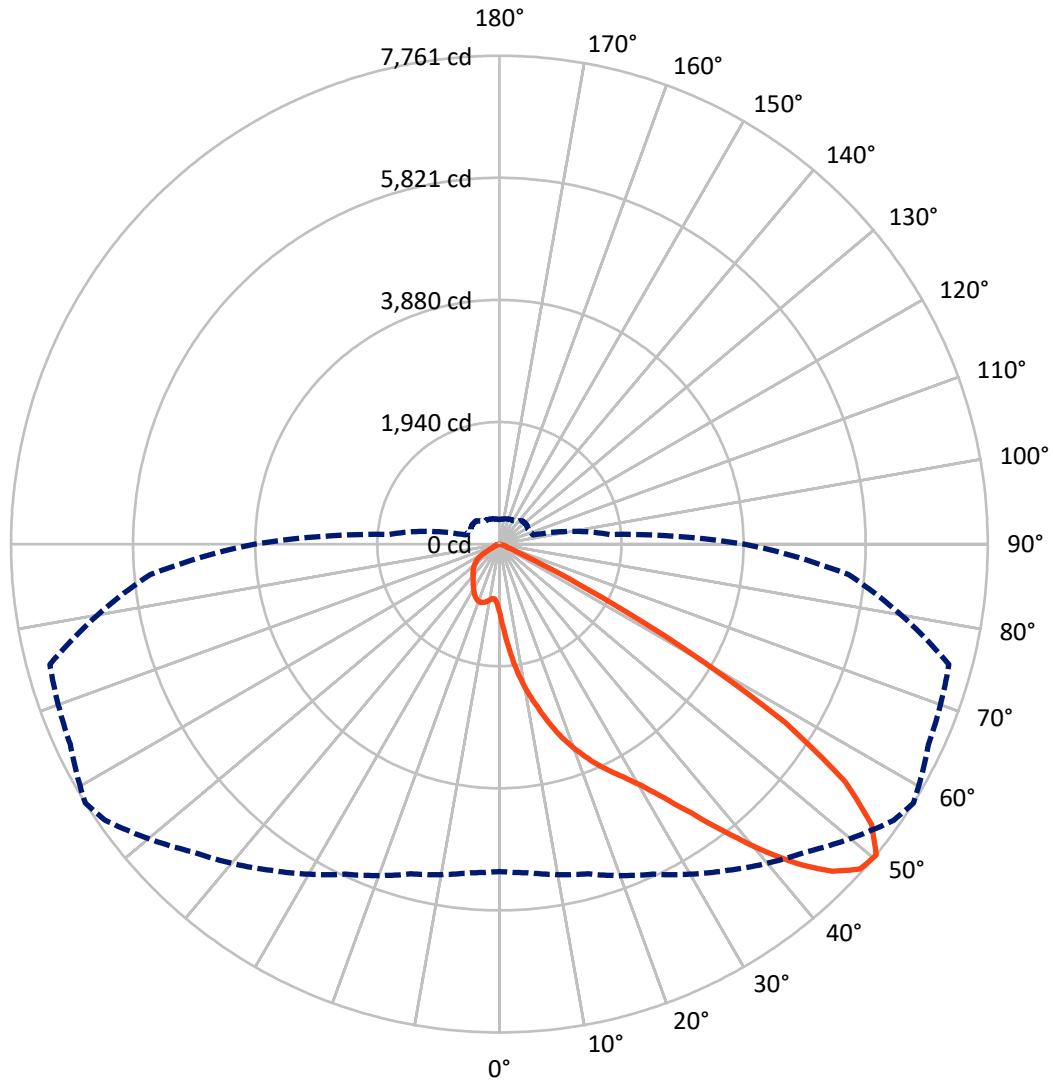
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 33.8 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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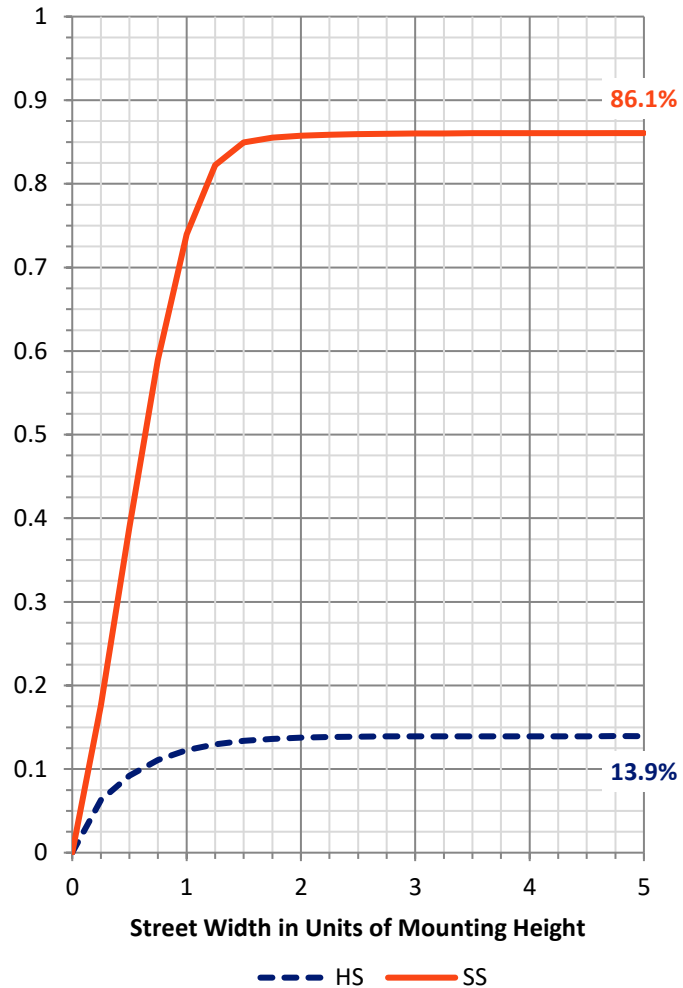
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1291.8	0.0	1291.8
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	7931.0	0.0	7931.0
	% Fixture	86.0	0.0	86.0
Total	Lumens	9222.8	0.0	9222.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.5	1.5
10°-20°	540.3	5.9
20°-30°	1093.3	11.9
30°-40°	1934.1	21.0
40°-50°	2819.5	30.6
50°-60°	2259.9	24.5
60°-70°	407.1	4.4
70°-80°	32.1	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°	9222.8	100.0
0°-180°	9222.8	100.0

Coefficient of Utilization



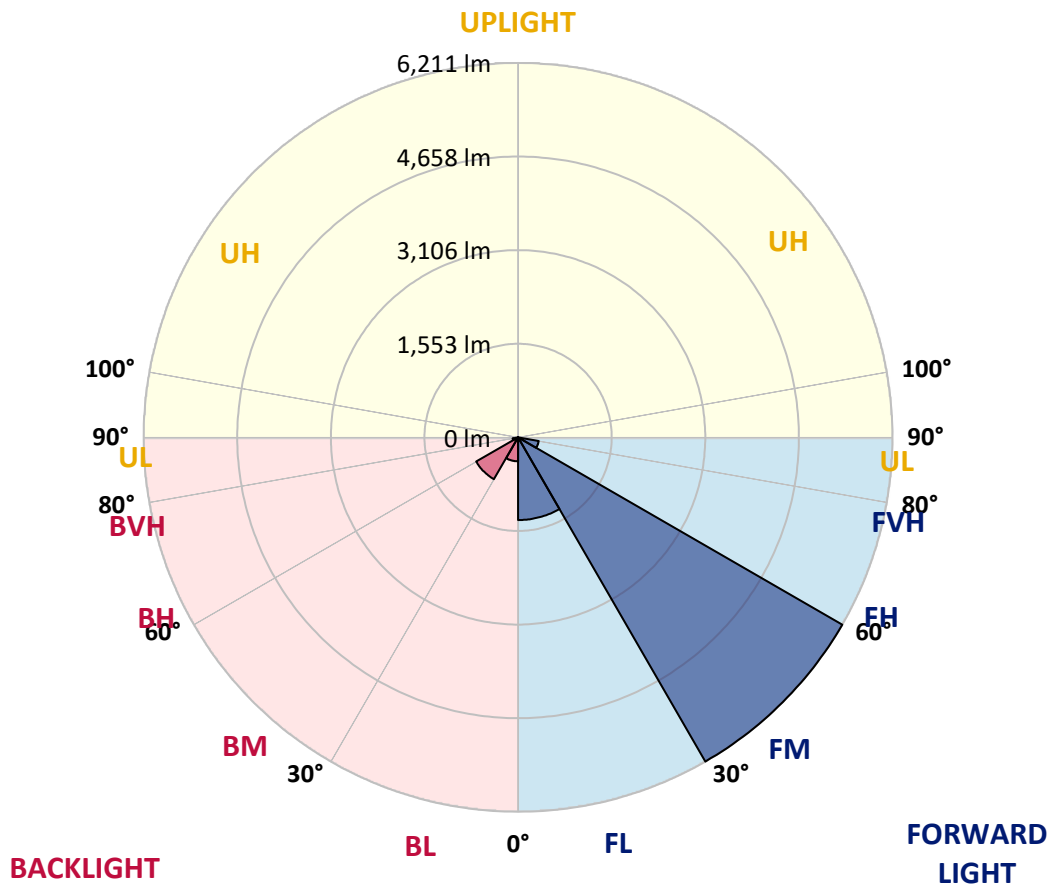
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1372.3	14.9			
FM (30°-60°)	6211.3	67.3			
FH (60°-80°)	347.4	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	397.7	4.3	B1/500		
BM (30°-60°)	802.3	8.7	B1/1000		
BH (60°-80°)	91.8	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°	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6
2.5°	1630.3	1604.6	1589.8	1578.0	1525.7	1442.9	1388.6	1360.0	1312.7	1232.8	1163.8
5°	2127.4	2108.6	2074.1	2050.4	1983.4	1866.0	1744.7	1696.4	1588.9	1408.4	1246.6
7.5°	2456.8	2443.0	2430.1	2398.6	2335.5	2228.9	2094.8	2044.5	1878.8	1622.4	1357.1
10°	2710.2	2699.4	2684.6	2683.6	2634.3	2538.6	2407.5	2355.2	2175.7	1855.1	1487.3
12.5°	2933.1	2924.2	2921.3	2948.9	2917.3	2846.3	2704.3	2639.2	2448.9	2092.8	1631.3
15°	3086.0	3084.0	3096.8	3151.1	3168.8	3136.3	3017.0	2946.9	2728.0	2331.5	1790.1
17.5°	3156.0	3161.9	3186.6	3280.3	3359.2	3386.8	3295.1	3235.9	3005.1	2573.1	1959.7
20°	3275.4	3273.4	3288.2	3376.9	3473.6	3572.2	3544.6	3494.3	3285.2	2828.6	2148.1
22.5°	3611.7	3583.1	3551.5	3565.3	3599.8	3715.2	3766.5	3740.9	3574.2	3090.9	2342.4
25°	4128.5	4098.9	3997.3	3898.7	3833.6	3885.8	3955.9	3968.7	3861.2	3360.2	2545.5
27.5°	4676.8	4650.2	4535.8	4387.9	4201.4	4110.7	4163.0	4188.6	4143.3	3680.7	2761.5
30°	5190.7	5155.2	5029.9	4846.5	4630.5	4491.4	4432.2	4450.0	4476.6	4060.4	3015.0
32.5°	5636.5	5609.8	5459.9	5266.6	5058.5	4913.5	4775.5	4805.0	4870.1	4524.9	3339.5
35°	6014.2	6000.4	5841.6	5649.3	5429.3	5355.4	5237.0	5242.9	5308.0	5086.1	3735.0
37.5°	6342.6	6318.9	6174.9	5996.4	5821.9	5810.0	5777.5	5780.4	5814.0	5740.0	4189.6
40°	6549.7	6528.0	6425.5	6315.0	6190.7	6192.7	6361.3	6374.2	6335.7	6382.1	4669.9
42.5°	6627.6	6611.9	6556.6	6557.6	6544.8	6603.0	6919.6	6943.2	6805.2	6886.0	5080.2
45°	6492.5	6485.6	6489.6	6631.6	6785.4	6964.9	7376.2	7417.6	7222.4	7220.4	5400.7
47.5°	6056.6	6042.8	6158.2	6399.8	6755.9	7105.0	7652.4	7716.5	7514.3	7411.7	5601.9
50°	5202.5	5241.9	5424.4	5787.3	6328.8	6912.7	7649.4	7760.8	7525.1	7394.9	5568.4
52.5°	3768.5	3760.6	4160.0	4659.1	5317.9	6297.2	7243.1	7405.8	7261.8	7230.2	5493.4
55°	2050.4	2122.4	2391.7	3052.5	3875.0	5132.5	6315.0	6670.0	6836.7	7170.1	5628.6
57.5°	753.5	785.1	953.7	1421.2	2051.4	3191.5	4823.8	5359.3	5874.1	7002.4	5605.9
60°	303.8	309.7	376.7	522.7	862.0	1624.4	2893.7	3369.0	3854.3	5360.3	4302.0
62.5°	220.9	228.8	255.4	305.7	435.9	710.1	1247.6	1450.8	1585.9	2655.0	2119.5
65°	178.5	184.4	206.1	228.8	288.0	381.7	402.4	387.6	385.6	686.4	486.2
67.5°	147.9	153.9	169.6	185.4	207.1	190.3	138.1	145.0	118.4	117.4	95.7
70°	108.5	115.4	131.2	147.9	124.3	51.3	79.9	118.4	89.7	75.0	73.0
72.5°	81.9	86.8	101.6	96.7	36.5	19.7	53.3	85.8	69.0	55.2	54.2
75°	61.1	64.1	51.3	15.8	3.9	4.9	19.7	35.5	38.5	31.6	31.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.0	3.0	3.9	4.9	5.9
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°	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6	1101.6
2.5°	1124.3	1082.9	1023.7	974.4	936.9	900.5	872.8	845.2	844.2	830.4	827.5
5°	1171.7	1096.7	988.2	910.3	863.0	834.4	814.6	804.8	799.9	794.9	792.9
7.5°	1239.7	1132.2	982.3	899.5	860.0	841.3	827.5	821.6	818.6	814.6	813.7
10°	1323.6	1183.5	1004.0	920.2	885.7	867.9	853.1	844.2	839.3	832.4	830.4
12.5°	1424.2	1246.6	1038.5	954.7	918.2	894.5	874.8	862.0	855.1	846.2	844.2
15°	1532.6	1314.7	1077.0	986.3	942.9	912.3	887.6	867.9	855.1	844.2	841.3
17.5°	1645.1	1383.7	1111.5	1008.0	954.7	918.2	882.7	856.1	840.3	826.5	822.5
20°	1771.3	1454.7	1134.2	1011.9	950.8	902.4	861.0	827.5	811.7	792.9	789.0
22.5°	1903.5	1520.8	1144.1	1003.0	929.1	872.8	828.5	793.9	771.3	751.5	745.6
25°	2031.7	1580.0	1139.1	978.4	896.5	831.4	786.0	750.5	725.9	706.2	701.2
27.5°	2167.8	1629.3	1121.4	941.9	852.1	786.0	742.7	712.1	689.4	667.7	662.8
30°	2320.7	1674.7	1092.8	897.5	799.9	739.7	706.2	685.4	660.8	638.1	631.2
32.5°	2505.1	1715.1	1051.3	844.2	753.5	699.3	680.5	664.7	636.1	612.5	607.5
35°	2716.1	1748.6	999.1	789.0	708.1	673.6	669.7	649.0	611.5	583.9	577.9
37.5°	2960.7	1781.2	936.9	734.8	674.6	661.8	662.8	627.3	581.9	548.4	544.4
40°	3224.1	1813.7	867.9	687.4	644.0	654.9	646.0	595.7	521.7	489.2	485.2
42.5°	3498.2	1849.2	797.9	643.0	618.4	628.2	615.4	532.6	479.3	462.6	460.6
45°	3745.8	1891.6	721.9	598.7	592.7	589.8	568.1	482.3	459.6	447.8	446.8
47.5°	3924.3	1884.7	641.1	556.2	565.1	555.3	489.2	458.6	439.9	424.1	420.1
50°	3891.8	1764.4	557.2	508.9	529.6	520.7	439.9	431.0	414.2	397.5	391.5
52.5°	3808.9	1600.7	484.3	458.6	491.2	470.4	406.3	397.5	382.7	361.0	354.1
55°	3853.3	1446.8	427.0	418.2	451.7	389.6	368.9	355.1	339.3	315.6	312.6
57.5°	3710.3	1180.5	343.2	349.1	399.4	332.4	323.5	301.8	275.2	259.4	257.4
60°	2568.2	634.2	215.0	221.9	289.0	279.1	290.0	270.2	237.7	222.9	219.9
62.5°	1179.6	254.5	117.4	112.4	151.9	189.4	248.5	246.6	206.1	182.5	180.5
65°	286.0	116.4	83.8	78.9	85.8	113.4	161.7	194.3	166.7	139.1	136.1
67.5°	92.7	94.7	76.9	72.0	75.9	84.8	96.7	107.5	106.5	97.6	95.7
70°	74.0	85.8	71.0	65.1	65.1	68.1	65.1	52.3	45.4	49.3	51.3
72.5°	55.2	65.1	56.2	50.3	48.3	47.3	40.4	29.6	20.7	18.7	17.8
75°	32.5	36.5	34.5	29.6	27.6	24.7	19.7	12.8	6.9	4.9	3.0
77.5°	5.9	6.9	7.9	5.9	4.9	3.9	3.0	1.0	0.0	0.0	0.0
80°	0.0	1.0	1.0	1.0	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

(END OF REPORT)