

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: P634093

Luminaire Tested: GWS-SA3B-722-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634093
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-722-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6743.1 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

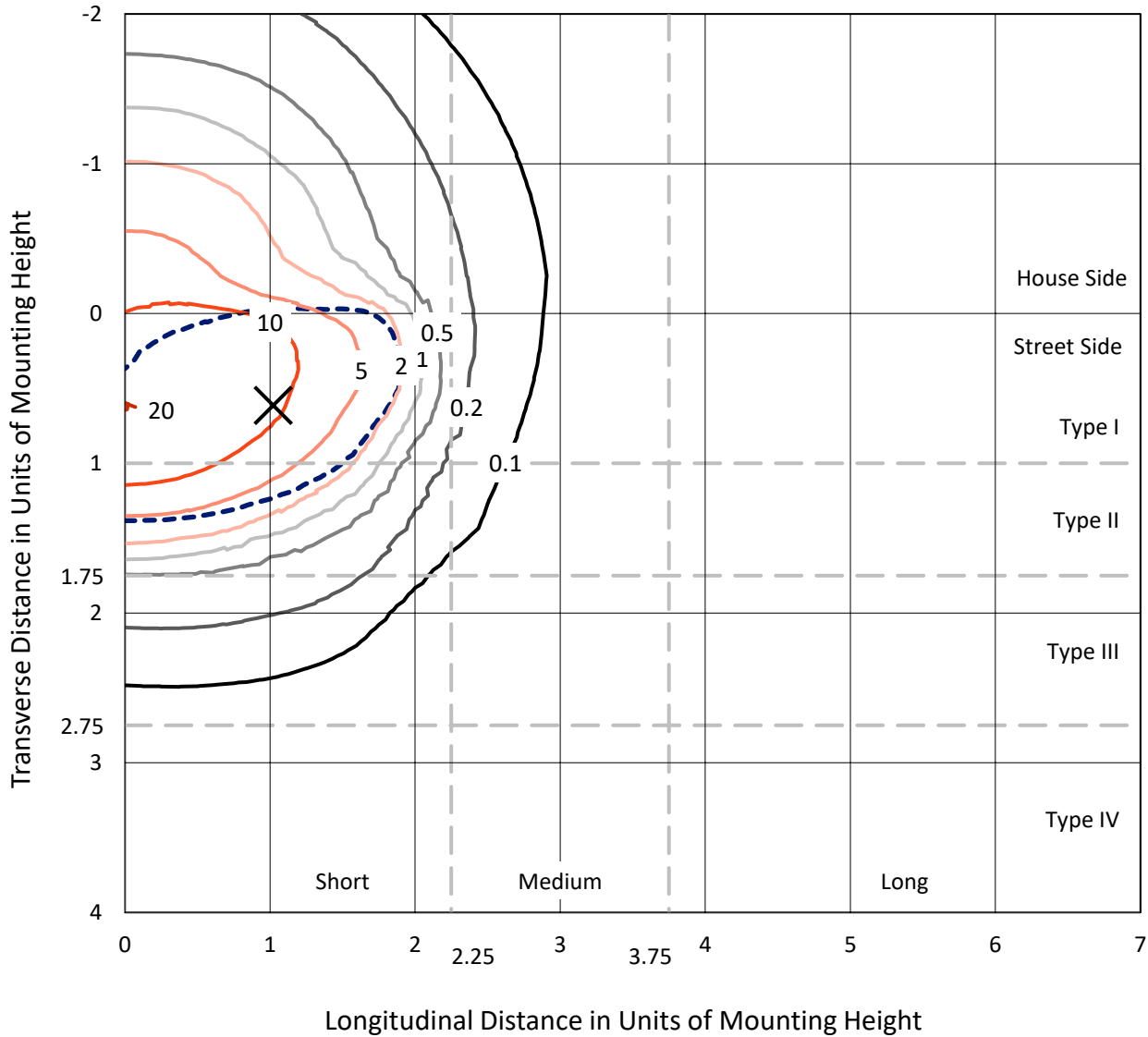
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

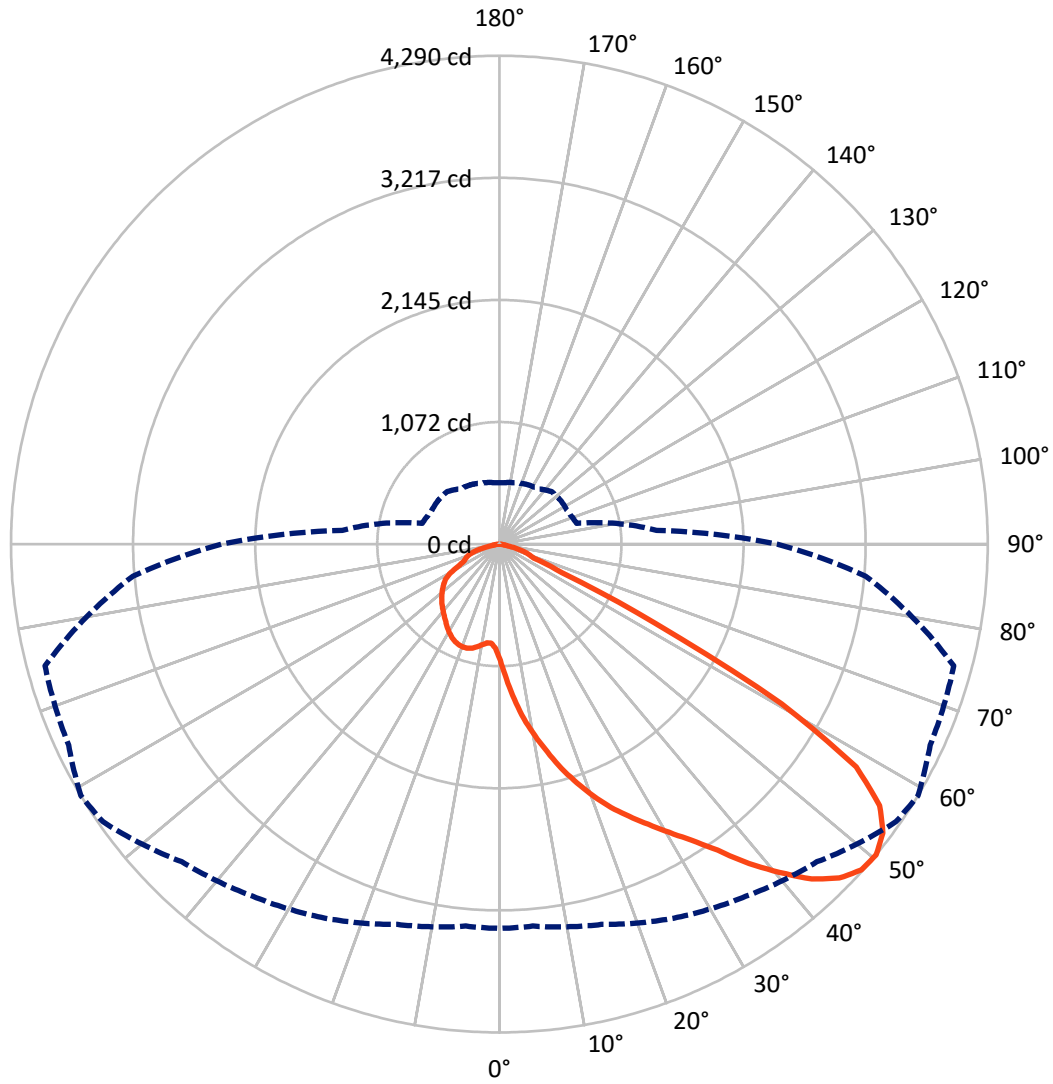
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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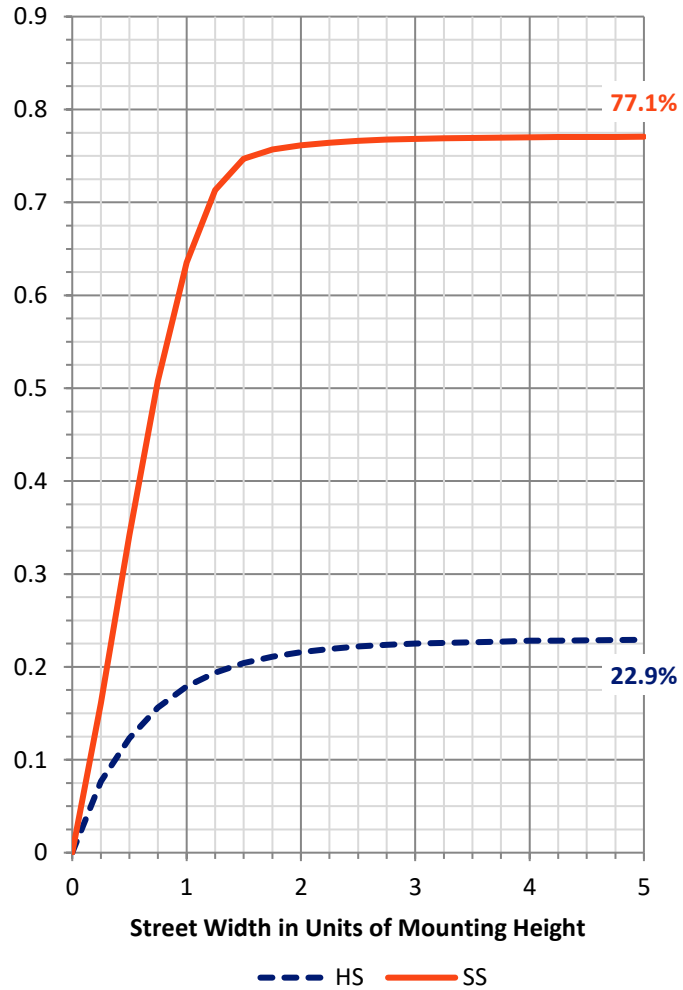
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1551.0	0.0	1551.0
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	5192.1	0.0	5192.1
	% Fixture	77.0	0.0	77.0
Total	Lumens	6743.1	0.0	6743.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.6	1.7
10°-20°	416.1	6.2
20°-30°	787.8	11.7
30°-40°	1306.5	19.4
40°-50°	1784.7	26.5
50°-60°	1620.1	24.0
60°-70°	539.5	8.0
70°-80°	157.3	2.3
80°-90°	16.5	0.2
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°	6743.1	100.0
0°-180°	6743.1	100.0

Coefficient of Utilization



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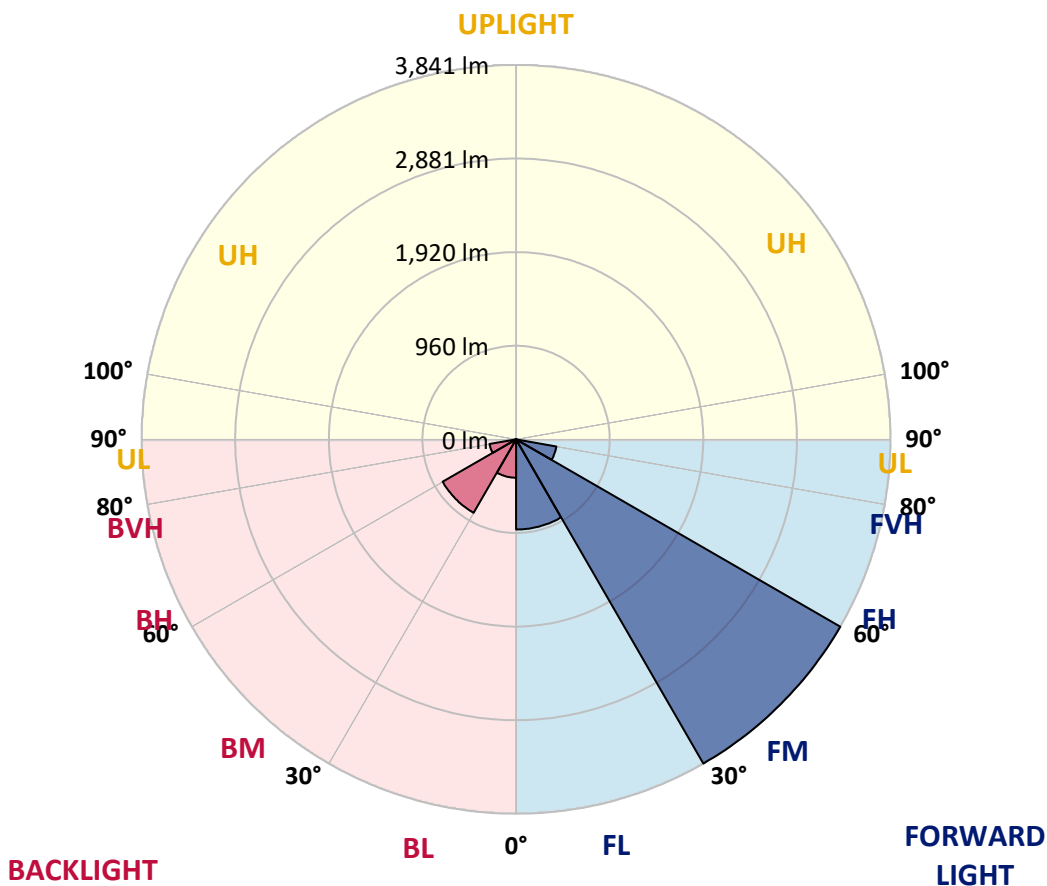
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	924.6	13.7			
FM (30°-60°)	3841.0	57.0			
FH (60°-80°)	420.0	6.2			G0/660
FVH (80°-90°)	6.5	0.1			G0/10
BL (0°-30°)	393.8	5.8	B1/500		
BM (30°-60°)	870.3	12.9	B1/1000		
BH (60°-80°)	276.8	4.1	B1/500		G1/500
BVH (80°-90°)	10.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1021.6	1021.6	1021.6	1021.6	1021.6	1021.6	1021.6	1021.6	1021.6	1021.6	1021.6
2.5°	1323.7	1333.6	1318.2	1319.3	1280.9	1263.3	1213.9	1184.8	1165.5	1111.7	1062.8
5°	1590.7	1579.1	1567.0	1559.9	1526.4	1479.2	1417.6	1368.8	1323.7	1218.3	1116.6
7.5°	1754.3	1748.3	1740.1	1735.7	1702.7	1653.3	1591.8	1550.0	1484.7	1341.8	1182.0
10°	1893.3	1886.2	1881.2	1884.5	1857.6	1825.7	1758.7	1711.0	1637.4	1472.6	1261.1
12.5°	2001.0	2004.8	2006.5	2024.0	2012.5	1993.3	1924.1	1873.5	1791.7	1610.4	1353.9
15°	2086.1	2085.0	2104.2	2137.7	2156.4	2144.3	2088.8	2046.6	1946.6	1746.1	1453.9
17.5°	2105.9	2107.0	2137.2	2195.9	2256.9	2286.6	2255.3	2204.7	2105.9	1880.1	1557.7
20°	2121.8	2124.0	2155.3	2222.3	2311.3	2394.2	2399.2	2362.9	2277.8	2025.1	1663.2
22.5°	2222.3	2227.3	2235.5	2277.8	2358.0	2462.9	2520.6	2512.9	2441.5	2177.3	1776.9
25°	2486.5	2471.7	2431.6	2419.5	2450.3	2535.4	2633.7	2648.5	2613.4	2344.8	1899.3
27.5°	2812.8	2796.8	2737.5	2674.9	2608.4	2638.1	2743.0	2787.5	2788.1	2529.4	2022.4
30°	3108.8	3096.2	3047.9	2958.3	2843.5	2800.7	2878.1	2938.0	2973.7	2742.5	2162.4
32.5°	3362.0	3350.5	3285.1	3212.1	3100.0	3013.8	3041.8	3099.5	3183.0	3018.2	2336.6
35°	3575.1	3563.6	3501.0	3427.4	3323.6	3272.0	3262.1	3301.6	3409.8	3306.0	2536.5
37.5°	3748.2	3736.6	3671.3	3602.1	3523.0	3526.3	3541.1	3560.3	3622.4	3614.1	2750.2
40°	3860.2	3848.1	3801.4	3752.0	3702.0	3741.6	3815.2	3792.1	3825.1	3863.0	2946.8
42.5°	3910.2	3894.8	3867.9	3856.9	3841.5	3903.1	4044.8	4021.7	3982.1	4028.8	3092.9
45°	3860.2	3847.0	3846.5	3880.0	3915.7	3994.8	4203.5	4184.8	4084.9	4109.0	3180.2
47.5°	3707.0	3695.4	3726.7	3814.6	3902.5	4017.9	4274.4	4277.7	4157.9	4142.5	3236.8
50°	3375.8	3368.1	3458.7	3625.1	3776.7	3945.9	4251.8	4289.7	4175.5	4132.1	3229.7
52.5°	2702.4	2738.1	2935.3	3213.2	3507.6	3819.6	4168.3	4217.8	4090.9	4063.4	3191.2
55°	1849.9	1866.4	2063.6	2469.5	2936.4	3546.0	3976.7	4053.0	3990.9	4051.9	3231.3
57.5°	957.9	971.1	1126.5	1486.9	1991.6	2802.3	3444.4	3694.9	3789.4	4110.1	3356.0
60°	393.3	404.3	468.5	642.6	1004.6	1631.9	2478.8	2850.1	3072.0	3753.7	2980.3
62.5°	285.6	291.1	321.9	383.4	526.2	799.7	1402.8	1539.6	1695.6	2352.5	1892.2
65°	240.6	246.6	271.3	308.7	383.9	490.5	599.2	602.5	664.1	958.5	701.4
67.5°	201.6	207.1	229.0	260.9	310.3	348.2	321.9	322.4	321.3	347.7	336.1
70°	157.1	161.5	183.5	217.5	243.3	223.5	251.6	278.5	266.9	277.4	293.3
72.5°	114.8	119.7	139.0	164.8	158.2	159.3	203.8	231.2	224.6	236.2	251.0
75°	82.9	86.2	96.1	82.4	86.8	104.9	143.4	158.2	164.8	174.7	187.8
77.5°	26.9	26.9	30.2	37.9	47.2	58.2	73.1	79.1	89.0	100.0	109.3
80°	13.7	14.3	17.0	20.9	26.4	33.5	42.8	45.6	50.5	56.6	60.4
82.5°	6.6	7.1	8.2	10.4	13.7	17.6	23.6	26.4	29.7	33.5	36.3
85°	1.6	1.6	2.2	3.3	4.4	6.6	8.8	10.4	13.2	15.9	17.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.5	1.6	2.2	2.7	3.3	4.4
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°	1021.6	1021.6	1021.6	1021.6	1021.6	1021.6	1021.6	1021.6	1021.6	1021.6	1021.6
2.5°	1040.9	1010.1	970.5	937.0	906.3	882.7	862.3	852.5	843.1	836.5	838.7
5°	1069.4	1016.7	943.1	892.0	860.7	844.8	833.8	828.3	827.2	822.8	821.1
7.5°	1111.2	1035.9	937.6	886.0	865.1	856.8	850.8	847.5	849.2	844.8	843.1
10°	1162.8	1067.8	951.3	905.7	887.6	881.6	875.0	870.6	868.4	861.8	860.7
12.5°	1227.1	1107.3	976.0	931.0	912.9	902.4	893.6	886.0	881.0	872.8	870.6
15°	1296.3	1151.3	1005.1	955.7	934.3	918.9	904.6	893.1	884.3	873.3	871.7
17.5°	1371.5	1197.4	1029.3	972.7	945.3	925.0	904.1	887.1	875.0	860.7	859.0
20°	1450.1	1244.1	1047.4	981.0	945.8	918.4	890.4	867.8	852.5	838.2	837.1
22.5°	1531.3	1286.9	1058.4	978.8	937.0	903.0	869.5	844.2	826.1	809.1	808.0
25°	1613.2	1328.1	1061.2	970.0	919.5	879.9	846.4	816.8	796.4	777.2	775.0
27.5°	1696.1	1362.7	1054.6	952.4	895.8	853.0	819.5	790.4	769.5	750.3	747.0
30°	1784.6	1392.4	1040.3	929.4	868.4	824.4	791.5	769.5	749.7	730.5	727.2
32.5°	1879.0	1418.2	1020.0	901.3	836.5	795.9	771.7	751.9	732.2	715.1	711.8
35°	1991.6	1435.2	989.8	865.1	806.9	775.0	758.5	735.5	711.3	692.6	691.0
37.5°	2108.1	1448.4	953.5	830.5	781.1	762.9	749.2	717.9	687.7	665.2	662.4
40°	2220.7	1459.4	908.5	798.1	757.4	754.1	735.5	696.5	644.3	619.0	616.8
42.5°	2325.6	1462.7	861.2	763.5	736.0	734.4	713.5	653.1	613.0	597.0	594.9
45°	2397.5	1459.9	812.4	731.1	714.6	705.8	683.8	621.8	597.0	582.8	580.0
47.5°	2450.8	1445.7	757.4	697.0	690.4	678.3	631.1	602.0	578.9	564.6	561.9
50°	2441.5	1386.3	702.0	664.1	661.3	650.9	592.7	577.3	557.0	541.6	539.4
52.5°	2393.1	1273.7	645.4	627.8	633.3	613.0	565.2	547.6	530.0	512.5	508.6
55°	2405.2	1192.4	602.5	592.7	602.5	556.4	534.4	515.8	499.3	482.3	479.0
57.5°	2457.9	1112.3	557.0	554.8	565.2	513.0	494.9	471.3	447.6	433.9	433.9
60°	2064.1	810.7	476.8	482.3	505.9	477.9	461.9	437.8	411.9	399.9	399.9
62.5°	1220.5	508.6	395.5	389.4	404.3	421.8	430.6	410.8	380.1	364.2	364.7
65°	537.7	370.2	348.8	343.8	339.4	351.5	375.7	377.3	344.9	326.3	326.8
67.5°	331.2	335.0	326.3	322.4	318.6	316.4	314.2	315.3	306.5	289.5	288.9
70°	298.8	309.2	303.2	299.9	295.0	291.1	277.9	256.5	241.7	237.3	242.2
72.5°	257.1	271.3	268.0	266.4	260.4	251.0	233.4	212.6	195.0	184.0	186.2
75°	193.9	205.4	207.1	207.6	201.0	192.2	174.1	156.5	141.2	129.6	132.4
77.5°	111.5	118.1	119.7	121.4	116.4	113.1	101.1	88.4	80.2	68.1	71.4
80°	62.1	64.8	64.8	65.4	62.6	58.8	50.5	43.4	39.5	34.1	34.6
82.5°	37.3	38.4	39.0	39.5	37.9	34.1	28.0	23.1	20.9	18.1	17.6
85°	18.1	19.2	19.2	19.8	17.0	14.8	11.5	8.8	7.7	5.5	6.0
87.5°	4.4	4.9	4.9	4.4	3.8	2.7	1.6	0.5	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)