

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: P630958

Luminaire Tested: GWS-SA1E-760-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630958
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-SA1E-760-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6728.4 lumens
Efficiency: N/A
Efficacy: 115.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 58.4
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

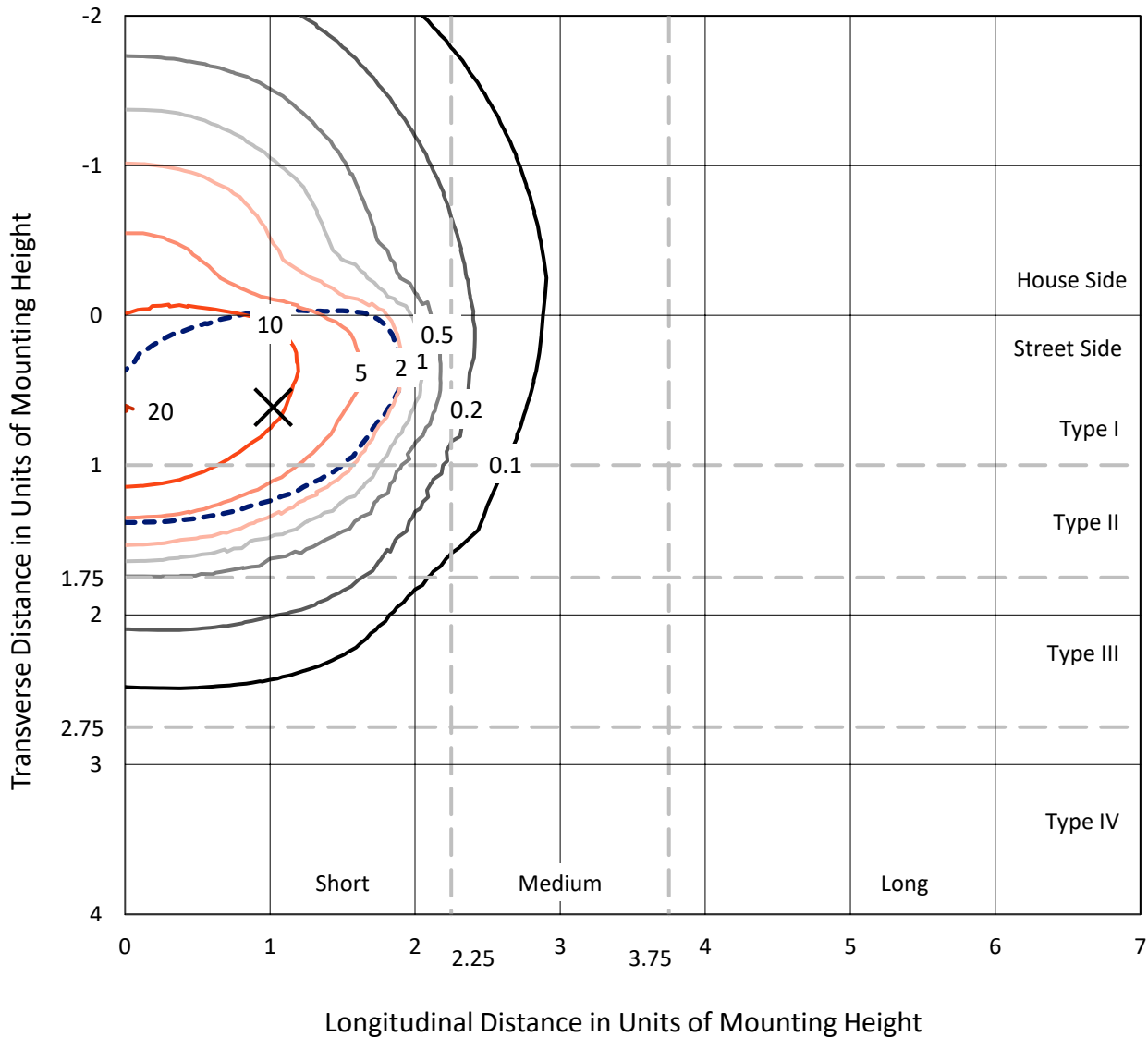


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Iso-Footcandle Lines of Horizontal Illumination

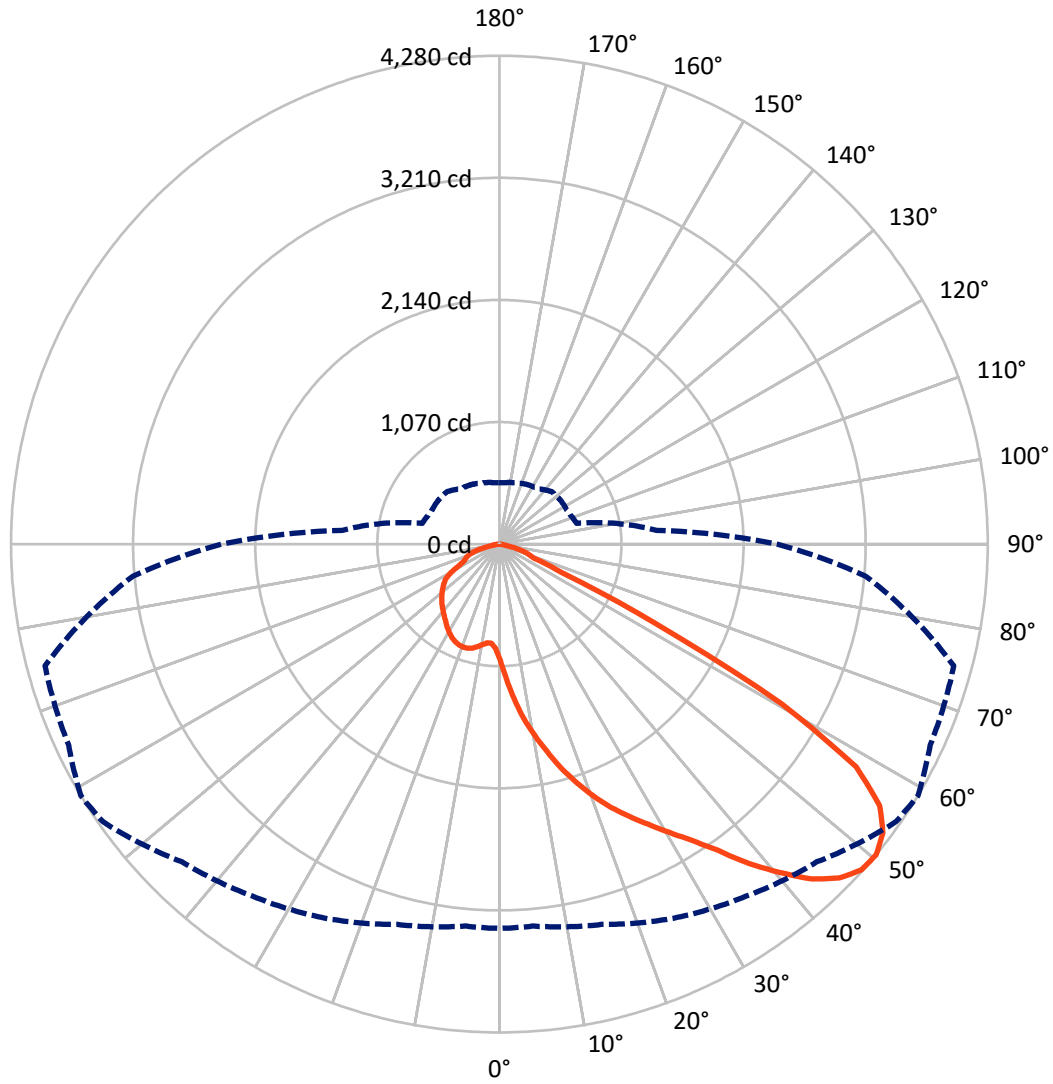
✕ Max cd
 - - - 1/2 Max cd



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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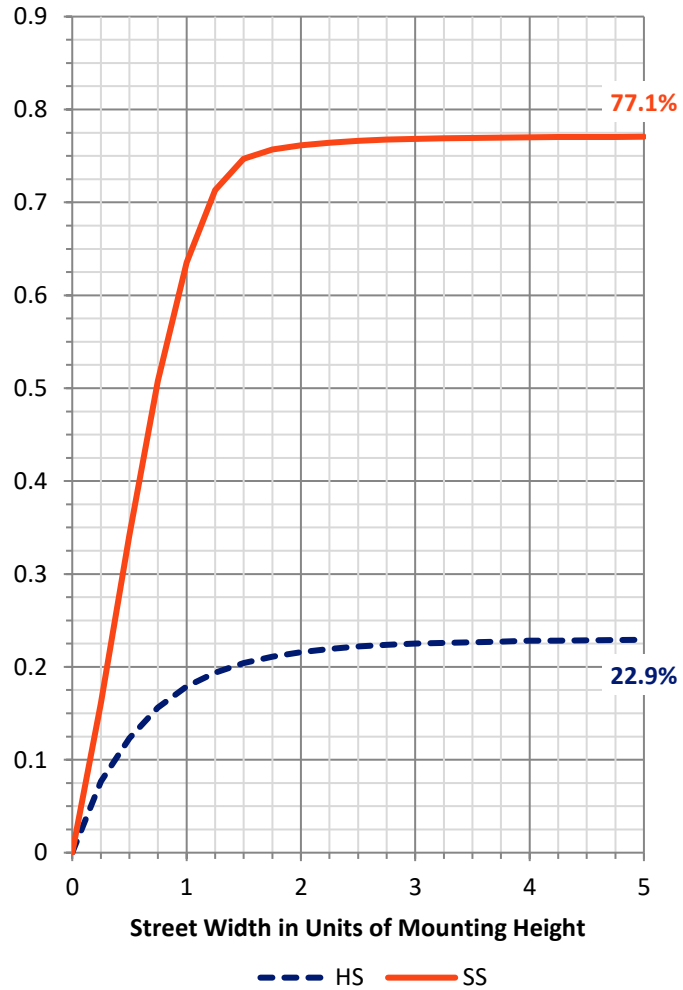
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1547.7	0.0	1547.7
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	5180.7	0.0	5180.7
	% Fixture	77.0	0.0	77.0
Total	Lumens	6728.4	0.0	6728.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.4	1.7
10°-20°	415.1	6.2
20°-30°	786.1	11.7
30°-40°	1303.6	19.4
40°-50°	1780.8	26.5
50°-60°	1616.5	24.0
60°-70°	538.3	8.0
70°-80°	157.0	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°	6728.4	100.0
0°-180°	6728.4	100.0

Coefficient of Utilization



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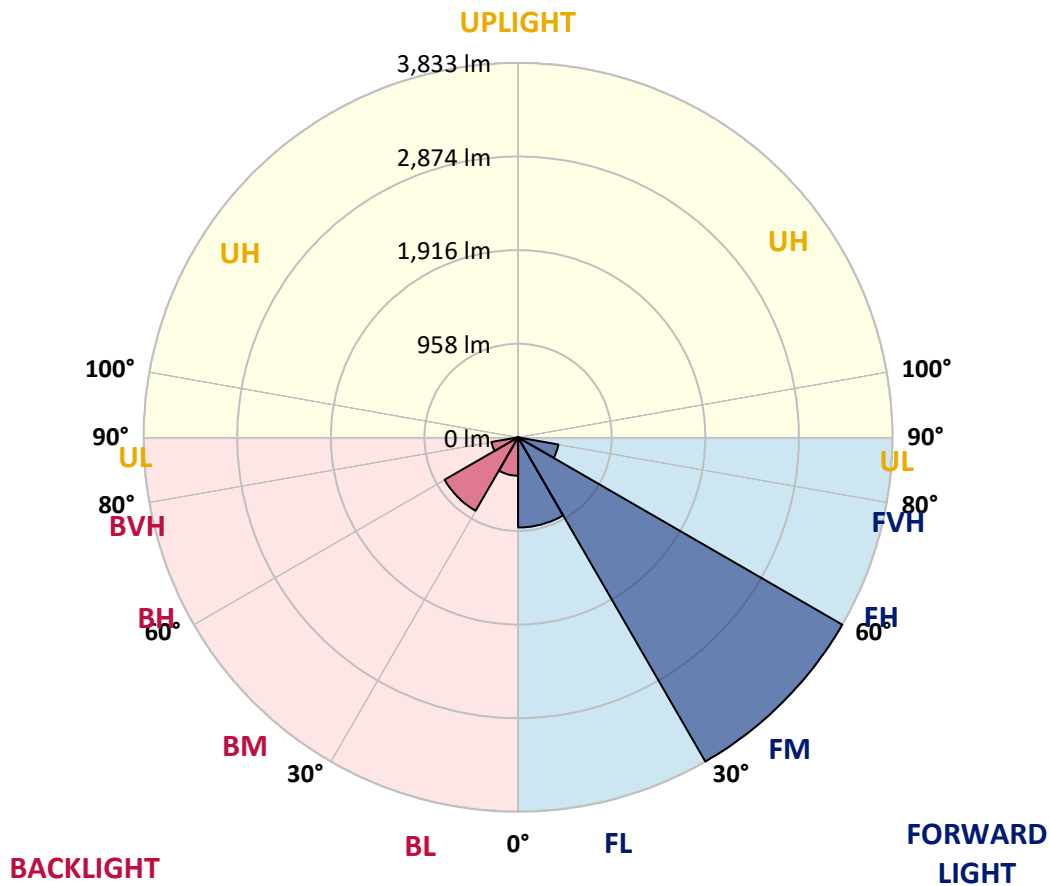
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	922.6	13.7			
FM (30°-60°)	3832.6	57.0			
FH (60°-80°)	419.1	6.2			G0/660
FVH (80°-90°)	6.4	0.1			G0/10
BL (0°-30°)	393.0	5.8	B1/500		
BM (30°-60°)	868.4	12.9	B1/1000		
BH (60°-80°)	276.2	4.1	B1/500		G1/500
BVH (80°-90°)	10.0	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°	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4
2.5°	1320.8	1330.7	1315.4	1316.5	1278.1	1260.5	1211.2	1182.2	1163.0	1109.3	1060.5
5°	1587.2	1575.7	1563.6	1556.5	1523.1	1475.9	1414.6	1365.8	1320.8	1215.6	1114.2
7.5°	1750.5	1744.5	1736.3	1731.9	1699.0	1649.7	1588.3	1546.6	1481.4	1338.9	1179.4
10°	1889.2	1882.1	1877.1	1880.4	1853.6	1821.8	1754.9	1707.2	1633.8	1469.4	1258.4
12.5°	1996.6	2000.4	2002.1	2019.6	2008.1	1988.9	1919.9	1869.4	1787.8	1606.9	1351.0
15°	2081.5	2080.5	2099.6	2133.1	2151.7	2139.6	2084.3	2042.1	1942.3	1742.3	1450.7
17.5°	2101.3	2102.4	2132.5	2191.2	2252.0	2281.6	2250.4	2199.9	2101.3	1876.0	1554.3
20°	2117.2	2119.4	2150.6	2217.5	2306.3	2389.0	2393.9	2357.8	2272.8	2020.7	1659.5
22.5°	2217.5	2222.4	2230.6	2272.8	2352.8	2457.5	2515.1	2507.4	2436.1	2172.5	1773.0
25°	2481.1	2466.3	2426.3	2414.2	2444.9	2529.9	2628.0	2642.8	2607.7	2339.7	1895.2
27.5°	2806.6	2790.7	2731.6	2669.1	2602.8	2632.4	2737.0	2781.4	2782.0	2523.8	2018.0
30°	3102.0	3089.4	3041.2	2951.9	2837.3	2794.6	2871.9	2931.6	2967.2	2736.5	2157.7
32.5°	3354.7	3343.2	3278.0	3205.1	3093.3	3007.2	3035.2	3092.7	3176.0	3011.6	2331.5
35°	3567.4	3555.8	3493.4	3419.9	3316.3	3264.8	3255.0	3294.4	3402.4	3298.8	2531.0
37.5°	3740.0	3728.5	3663.3	3594.2	3515.3	3518.6	3533.4	3552.6	3614.5	3606.3	2744.2
40°	3851.8	3839.7	3793.2	3743.8	3694.0	3733.4	3806.9	3783.8	3816.7	3854.5	2940.4
42.5°	3901.7	3886.3	3859.5	3848.5	3833.2	3894.5	4035.9	4012.9	3973.5	4020.1	3086.2
45°	3851.8	3838.6	3838.1	3871.5	3907.2	3986.1	4194.3	4175.7	4076.0	4100.1	3173.3
47.5°	3698.9	3687.4	3718.6	3806.3	3894.0	4009.1	4265.0	4268.3	4148.8	4133.5	3229.7
50°	3368.4	3360.7	3451.2	3617.2	3768.5	3937.3	4242.6	4280.4	4166.4	4123.1	3222.6
52.5°	2696.5	2732.1	2928.9	3206.2	3499.9	3811.2	4159.3	4208.6	4082.0	4054.6	3184.3
55°	1845.9	1862.3	2059.1	2464.1	2930.0	3538.3	3968.0	4044.2	3982.2	4043.1	3224.3
57.5°	955.8	969.0	1124.1	1483.6	1987.3	2796.2	3436.9	3686.8	3781.1	4101.2	3348.7
60°	392.4	403.4	467.5	641.2	1002.4	1628.3	2473.4	2843.9	3065.3	3745.5	2973.8
62.5°	285.0	290.5	321.2	382.5	525.0	798.0	1399.8	1536.2	1691.9	2347.4	1888.1
65°	240.1	246.1	270.7	308.0	383.1	489.4	597.9	601.2	662.6	956.4	699.9
67.5°	201.1	206.6	228.5	260.3	309.7	347.5	321.2	321.7	320.6	346.9	335.4
70°	156.7	161.1	183.1	217.0	242.8	223.1	251.0	277.9	266.4	276.8	292.7
72.5°	114.5	119.5	138.7	164.4	157.8	158.9	203.3	230.7	224.2	235.7	250.5
75°	82.8	86.0	95.9	82.2	86.6	104.7	143.0	157.8	164.4	174.3	187.4
77.5°	26.9	26.9	30.1	37.8	47.1	58.1	72.9	78.9	88.8	99.7	109.1
80°	13.7	14.2	17.0	20.8	26.3	33.4	42.7	45.5	50.4	56.5	60.3
82.5°	6.6	7.1	8.2	10.4	13.7	17.5	23.6	26.3	29.6	33.4	36.2
85°	1.6	1.6	2.2	3.3	4.4	6.6	8.8	10.4	13.2	15.9	17.5
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°	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4	1019.4
2.5°	1038.6	1007.9	968.4	935.0	904.3	880.7	860.5	850.6	841.3	834.7	836.9
5°	1067.1	1014.5	941.0	890.1	858.8	842.9	832.0	826.5	825.4	821.0	819.4
7.5°	1108.7	1033.6	935.5	884.0	863.2	855.0	849.0	845.7	847.3	842.9	841.3
10°	1160.3	1065.4	949.2	903.8	885.7	879.6	873.1	868.7	866.5	859.9	858.8
12.5°	1224.4	1104.9	973.9	929.0	910.9	900.5	891.7	884.0	879.1	870.9	868.7
15°	1293.4	1148.7	1003.0	953.6	932.3	916.9	902.7	891.2	882.4	871.4	869.8
17.5°	1368.5	1194.8	1027.1	970.6	943.2	922.9	902.1	885.1	873.1	858.8	857.2
20°	1446.9	1241.4	1045.2	978.8	943.8	916.4	888.4	865.9	850.6	836.3	835.3
22.5°	1528.0	1284.1	1056.1	976.7	935.0	901.0	867.6	842.4	824.3	807.3	806.2
25°	1609.7	1325.2	1058.9	967.9	917.5	878.0	844.6	815.0	794.7	775.5	773.3
27.5°	1692.4	1359.7	1052.3	950.3	893.9	851.1	817.7	788.7	767.8	748.7	745.4
30°	1780.7	1389.3	1038.0	927.3	866.5	822.6	789.8	767.8	748.1	728.9	725.6
32.5°	1874.9	1415.1	1017.8	899.4	834.7	794.1	770.0	750.3	730.6	713.6	710.3
35°	1987.3	1432.1	987.6	863.2	805.1	773.3	756.9	733.9	709.7	691.1	689.5
37.5°	2103.5	1445.2	951.4	828.7	779.3	761.3	747.6	716.3	686.2	663.7	661.0
40°	2215.8	1456.2	906.5	796.3	755.8	752.5	733.9	694.9	642.9	617.7	615.5
42.5°	2320.5	1459.5	859.4	761.8	734.4	732.8	711.9	651.6	611.6	595.7	593.6
45°	2392.3	1456.8	810.6	729.5	713.0	704.3	682.3	620.4	595.7	581.5	578.8
47.5°	2445.5	1442.5	755.8	695.5	688.9	676.9	629.7	600.7	577.7	563.4	560.7
50°	2436.1	1383.3	700.4	662.6	659.9	649.5	591.4	576.0	555.7	540.4	538.2
52.5°	2387.9	1271.0	644.0	626.4	631.9	611.6	564.0	546.4	528.9	511.3	507.5
55°	2400.0	1189.8	601.2	591.4	601.2	555.2	533.3	514.6	498.2	481.2	477.9
57.5°	2452.6	1109.8	555.7	553.5	564.0	511.9	493.8	470.2	446.7	433.0	433.0
60°	2059.6	808.9	475.7	481.2	504.8	476.8	460.9	436.8	411.0	399.0	399.0
62.5°	1217.8	507.5	394.6	388.6	403.4	420.9	429.7	410.0	379.3	363.4	363.9
65°	536.6	369.4	348.0	343.1	338.7	350.8	374.9	376.5	344.2	325.6	326.1
67.5°	330.5	334.3	325.6	321.7	317.9	315.7	313.5	314.6	305.8	288.8	288.3
70°	298.1	308.6	302.5	299.2	294.3	290.5	277.3	255.9	241.1	236.8	241.7
72.5°	256.5	270.7	267.5	265.8	259.8	250.5	232.9	212.1	194.6	183.6	185.8
75°	193.5	205.0	206.6	207.2	200.6	191.8	173.7	156.2	140.9	129.3	132.1
77.5°	111.3	117.8	119.5	121.1	116.2	112.9	100.8	88.2	80.0	68.0	71.2
80°	61.9	64.7	64.7	65.2	62.5	58.6	50.4	43.3	39.5	34.0	34.5
82.5°	37.3	38.4	38.9	39.5	37.8	34.0	28.0	23.0	20.8	18.1	17.5
85°	18.1	19.2	19.2	19.7	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)