

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: P630873

Luminaire Tested: GWS-SA1E-750-U-AFL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630873
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-750-U-AFL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7031.9 lumens
Efficiency: N/A
Efficacy: 120.4 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

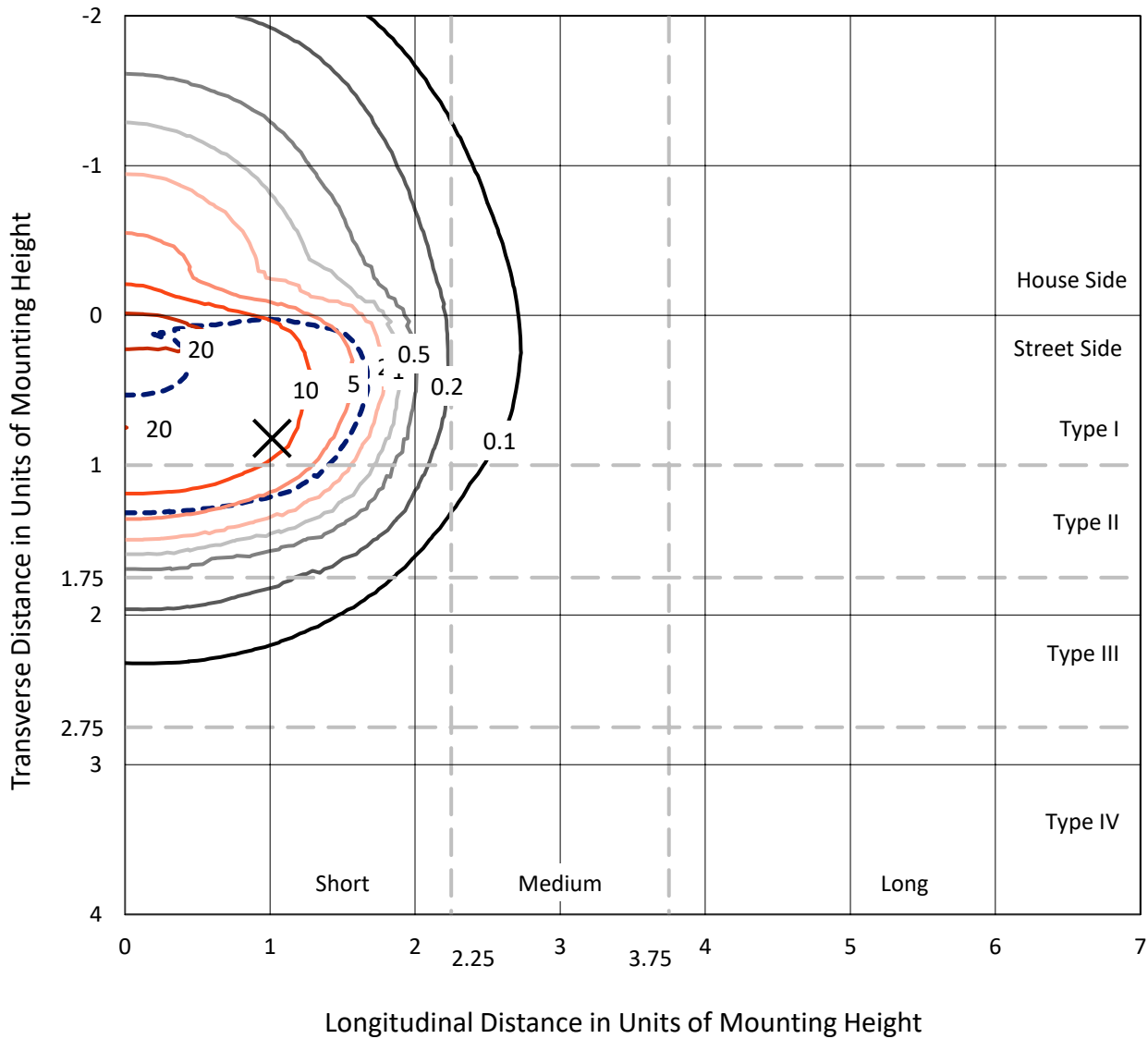
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

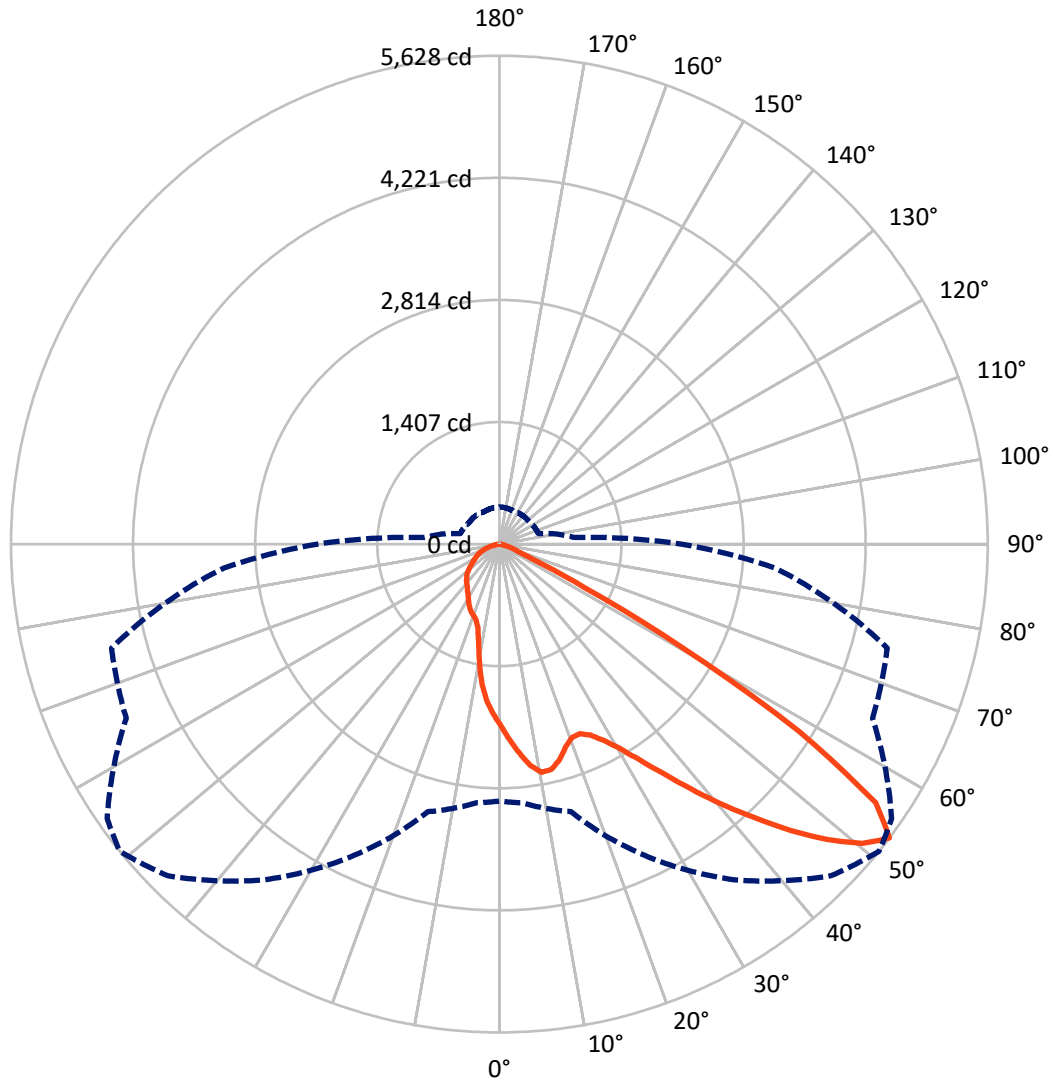
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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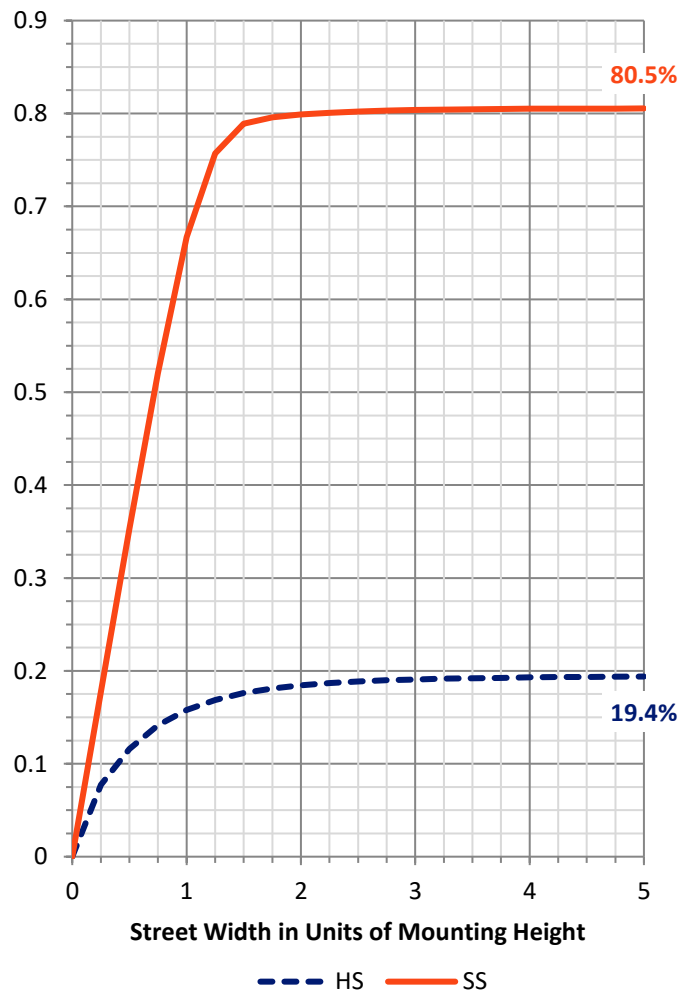
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1370.1	0.0	1370.1
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	5661.8	0.0	5661.8
	% Fixture	80.5	0.0	80.5
Total	Lumens	7031.9	0.0	7031.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.4	2.8
10°-20°	507.7	7.2
20°-30°	825.4	11.7
30°-40°	1308.1	18.6
40°-50°	1972.9	28.1
50°-60°	1706.7	24.3
60°-70°	386.9	5.5
70°-80°	114.1	1.6
80°-90°	14.7	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°	7031.9	100.0
0°-180°	7031.9	100.0

Coefficient of Utilization



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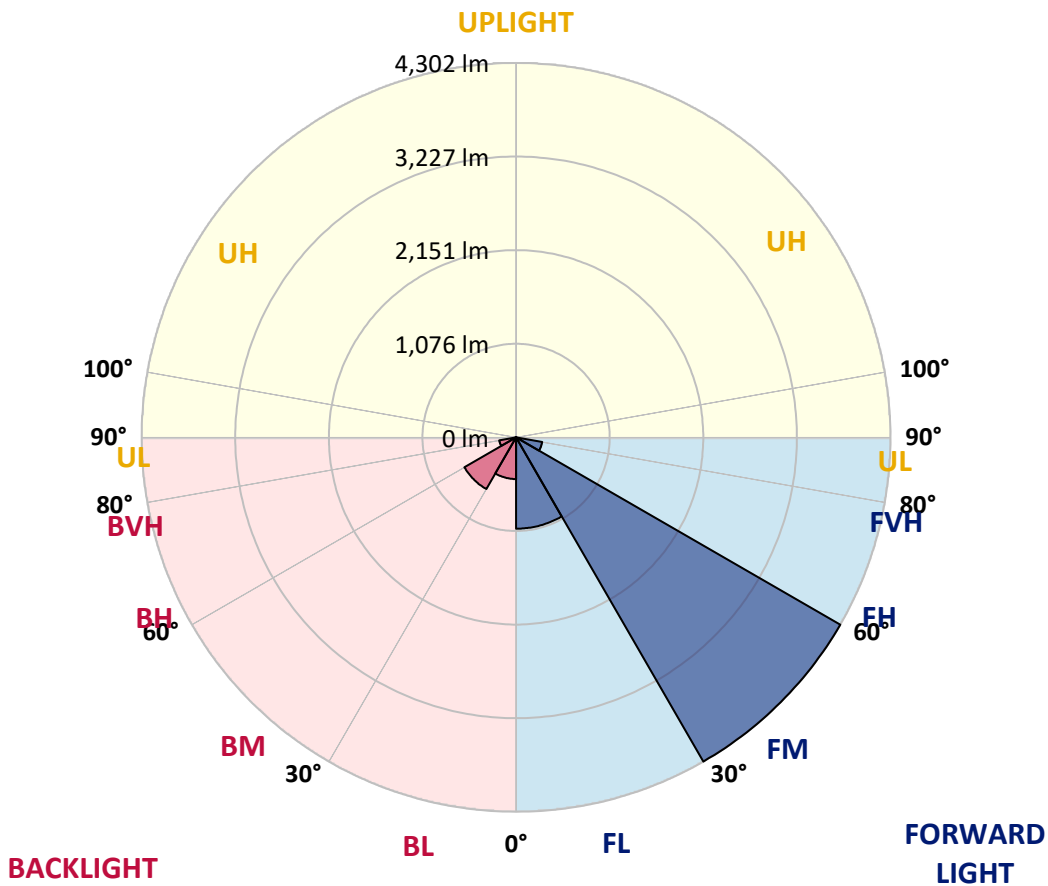
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1049.5	14.9			
FM (30°-60°)	4302.2	61.2			
FH (60°-80°)	304.5	4.3			G0/660
FVH (80°-90°)	5.5	0.1			G0/10
BL (0°-30°)	478.9	6.8	B1/500		
BM (30°-60°)	685.5	9.7	B1/1000		
BH (60°-80°)	196.5	2.8	B1/500		G1/500
BVH (80°-90°)	9.2	0.1			G0/10
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°	51°	55°	65°	75°	85°
0°	2093.7	2093.7	2093.7	2093.7	2093.7	2093.7	2093.7	2093.7	2093.7	2093.7	2093.7
2.5°	2333.2	2346.6	2326.0	2318.2	2305.5	2283.2	2257.7	2250.4	2195.4	2159.3	2118.8
5°	2567.7	2575.0	2558.3	2541.6	2509.9	2470.5	2421.0	2410.5	2310.5	2227.7	2141.5
7.5°	2620.0	2617.2	2631.6	2641.1	2637.2	2621.6	2577.7	2557.2	2437.7	2306.6	2179.3
10°	2413.3	2397.7	2451.0	2514.4	2590.5	2678.3	2673.3	2671.6	2567.7	2412.7	2227.7
12.5°	2139.3	2131.5	2174.9	2254.3	2398.3	2592.7	2665.5	2722.2	2685.0	2513.8	2281.6
15°	1982.6	1979.8	2009.3	2066.5	2181.0	2426.6	2582.2	2694.4	2785.6	2622.2	2338.8
17.5°	1954.3	1955.9	1965.9	1998.7	2081.0	2283.2	2463.3	2620.0	2863.9	2741.1	2410.5
20°	2037.1	2048.2	2031.0	2036.0	2080.4	2231.6	2382.1	2544.9	2913.9	2860.6	2487.7
22.5°	2221.0	2217.1	2179.3	2157.1	2157.6	2263.2	2373.2	2509.9	2946.7	2976.7	2557.7
25°	2429.4	2424.9	2379.9	2330.5	2299.3	2349.4	2437.1	2547.2	2976.1	3082.8	2613.9
27.5°	2675.5	2661.6	2611.6	2548.3	2479.4	2501.1	2560.5	2647.7	3021.7	3187.3	2651.1
30°	2913.9	2930.0	2858.3	2783.3	2710.5	2697.2	2731.7	2810.6	3114.5	3309.5	2695.5
32.5°	3230.1	3224.5	3145.1	3047.3	2943.4	2933.4	2960.6	3032.8	3281.2	3478.5	2763.3
35°	3612.9	3614.0	3501.2	3369.0	3221.2	3194.5	3240.1	3310.1	3529.6	3707.4	2870.6
37.5°	4010.8	4009.1	3910.8	3760.7	3559.0	3521.3	3573.5	3625.7	3840.2	4019.1	3037.3
40°	4289.7	4300.9	4254.7	4175.8	3984.7	3892.4	3938.6	3974.7	4178.0	4385.9	3256.8
42.5°	4448.1	4464.8	4474.8	4522.0	4421.4	4323.1	4306.4	4325.3	4479.8	4726.5	3462.9
45°	4482.0	4504.2	4577.0	4752.1	4790.9	4763.2	4708.7	4663.1	4704.8	4968.2	3597.9
47.5°	4332.5	4371.4	4527.0	4833.2	5060.4	5147.7	5087.1	5017.7	4834.8	5030.4	3584.0
50°	3740.2	3785.7	4136.4	4667.6	5098.8	5416.6	5422.2	5319.4	4819.3	4851.0	3409.6
52.5°	2961.1	2992.3	3192.9	3956.9	4722.6	5405.5	5627.8	5517.8	4744.3	4626.5	3191.2
55°	1769.8	1819.8	2007.1	2610.5	3679.1	4790.9	5264.4	5317.7	4707.6	4438.1	3042.3
57.5°	597.3	621.8	800.7	1153.0	2168.2	3507.9	4067.5	4284.2	4273.6	4150.3	2751.7
60°	284.5	290.1	326.2	437.3	867.9	1833.1	2407.7	2657.7	2885.6	2908.4	1712.0
62.5°	216.7	220.0	238.4	262.3	349.0	772.4	1103.6	1294.7	1383.1	1186.9	623.5
65°	181.1	183.9	197.8	212.8	237.3	334.5	423.4	488.4	440.1	342.8	297.3
67.5°	151.1	153.4	163.9	180.0	196.7	223.9	235.0	241.7	253.4	284.5	273.4
70°	118.4	120.6	131.7	145.6	161.7	168.4	178.9	185.6	208.9	248.9	247.8
72.5°	91.1	93.9	100.0	108.9	122.2	128.9	140.6	148.4	161.7	193.9	207.3
75°	66.7	68.3	73.9	76.7	78.3	76.7	88.4	97.2	115.0	127.2	130.6
77.5°	27.2	30.6	29.5	29.5	35.0	42.2	48.3	53.9	66.1	73.3	73.9
80°	11.1	12.2	14.4	16.1	19.4	25.0	28.9	31.1	36.7	41.1	44.5
82.5°	6.7	7.2	8.3	8.9	11.1	14.4	16.7	18.3	22.8	27.2	28.9
85°	3.3	3.3	3.9	4.4	5.6	6.7	7.8	8.9	11.7	14.4	16.1
87.5°	0.6	0.6	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.4	5.6
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°	2093.7	2093.7	2093.7	2093.7	2093.7	2093.7	2093.7	2093.7	2093.7	2093.7	2093.7
2.5°	2094.9	2064.9	2029.8	2002.1	1969.8	1945.9	1912.0	1890.9	1870.9	1854.3	1842.0
5°	2097.1	2046.5	1973.7	1909.3	1842.6	1779.2	1714.2	1661.4	1614.2	1574.8	1571.4
7.5°	2109.9	2037.1	1923.2	1810.4	1680.3	1554.8	1429.2	1326.9	1249.1	1208.6	1200.2
10°	2131.5	2036.0	1871.5	1691.4	1469.7	1267.5	1118.6	1040.8	995.8	979.6	974.1
12.5°	2154.3	2033.2	1805.4	1523.6	1215.8	1038.5	956.9	947.4	955.7	956.9	956.3
15°	2182.1	2031.5	1722.0	1326.9	1030.2	932.4	938.0	958.0	977.4	981.9	981.9
17.5°	2216.0	2027.6	1608.7	1134.7	914.1	911.8	941.3	968.0	986.3	989.6	989.6
20°	2251.6	2017.6	1469.2	978.0	866.8	899.1	930.7	951.3	964.1	968.5	969.1
22.5°	2276.0	1990.9	1308.6	861.8	837.4	874.6	897.4	918.5	918.5	907.4	904.1
25°	2281.0	1933.7	1134.7	782.4	802.4	836.8	860.2	847.9	825.2	816.3	815.7
27.5°	2262.7	1850.4	963.0	725.7	760.2	794.6	790.7	772.9	762.9	754.0	757.4
30°	2240.4	1750.3	814.0	679.0	711.3	745.1	731.8	725.7	718.5	708.5	710.7
32.5°	2225.4	1638.7	699.6	642.9	678.5	684.0	693.5	692.9	686.2	667.4	666.2
35°	2229.9	1525.9	622.9	613.5	651.2	649.0	666.8	663.5	617.3	591.2	589.6
37.5°	2265.4	1417.5	577.9	590.1	607.9	621.8	637.3	597.3	581.2	564.6	565.7
40°	2333.2	1316.9	553.4	577.3	581.8	602.3	566.2	565.7	558.4	543.4	542.9
42.5°	2409.9	1231.9	536.8	571.2	565.1	569.0	530.7	535.1	534.6	525.1	522.3
45°	2456.6	1153.6	523.4	548.4	550.1	511.2	499.5	504.5	507.3	502.3	501.8
47.5°	2408.3	1063.5	509.5	513.4	527.9	485.1	470.6	471.2	476.2	476.8	474.5
50°	2272.7	963.0	492.9	483.4	474.0	457.9	444.5	441.8	446.8	451.8	453.4
52.5°	2097.6	866.8	465.1	450.6	428.4	428.4	422.3	413.4	420.1	426.8	429.0
55°	1969.3	795.7	425.6	409.5	385.1	393.4	392.3	384.5	393.4	398.4	400.1
57.5°	1706.4	639.6	374.5	369.5	349.0	359.0	361.2	351.2	346.7	347.8	349.5
60°	1013.0	412.9	337.8	337.3	319.0	330.6	337.3	327.3	314.0	315.6	317.8
62.5°	454.5	315.6	291.7	289.5	288.9	303.9	311.2	301.7	282.8	284.5	286.7
65°	286.2	272.8	253.4	253.4	262.3	275.1	280.6	272.8	251.2	248.4	250.6
67.5°	265.6	253.9	233.9	230.0	234.5	245.0	245.6	230.6	217.8	215.6	215.6
70°	238.4	229.5	210.0	202.3	200.6	200.0	198.4	194.5	186.1	183.9	185.0
72.5°	197.3	191.1	178.9	170.6	166.1	165.6	158.9	155.6	148.4	147.3	146.7
75°	130.6	132.2	132.2	131.1	127.2	125.6	118.4	115.0	106.7	103.4	102.8
77.5°	77.2	78.9	81.1	81.7	81.1	81.1	74.5	70.6	62.2	57.8	56.7
80°	47.2	48.3	49.5	51.1	48.9	47.2	41.1	37.2	33.3	30.6	30.0
82.5°	30.6	31.7	32.2	33.3	32.2	30.0	25.0	22.8	20.0	17.8	17.2
85°	17.2	17.8	18.9	18.9	17.2	15.6	12.8	11.1	9.4	8.3	8.3
87.5°	6.1	6.1	6.1	6.7	5.6	5.0	3.3	2.2	1.7	1.7	1.7
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)