

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: P630957

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630957
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-SA1E-760-U-T2R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5124.8 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

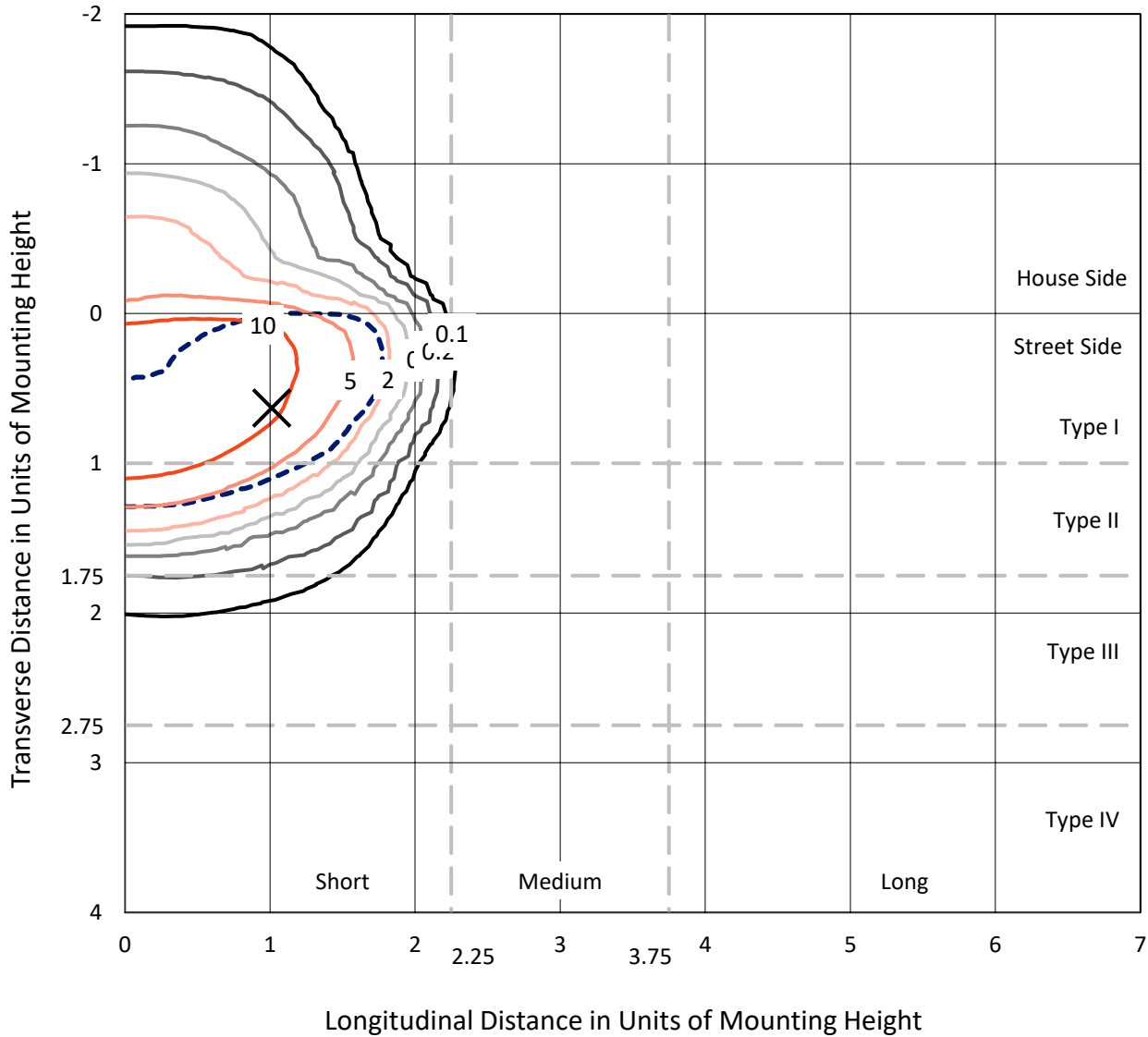
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

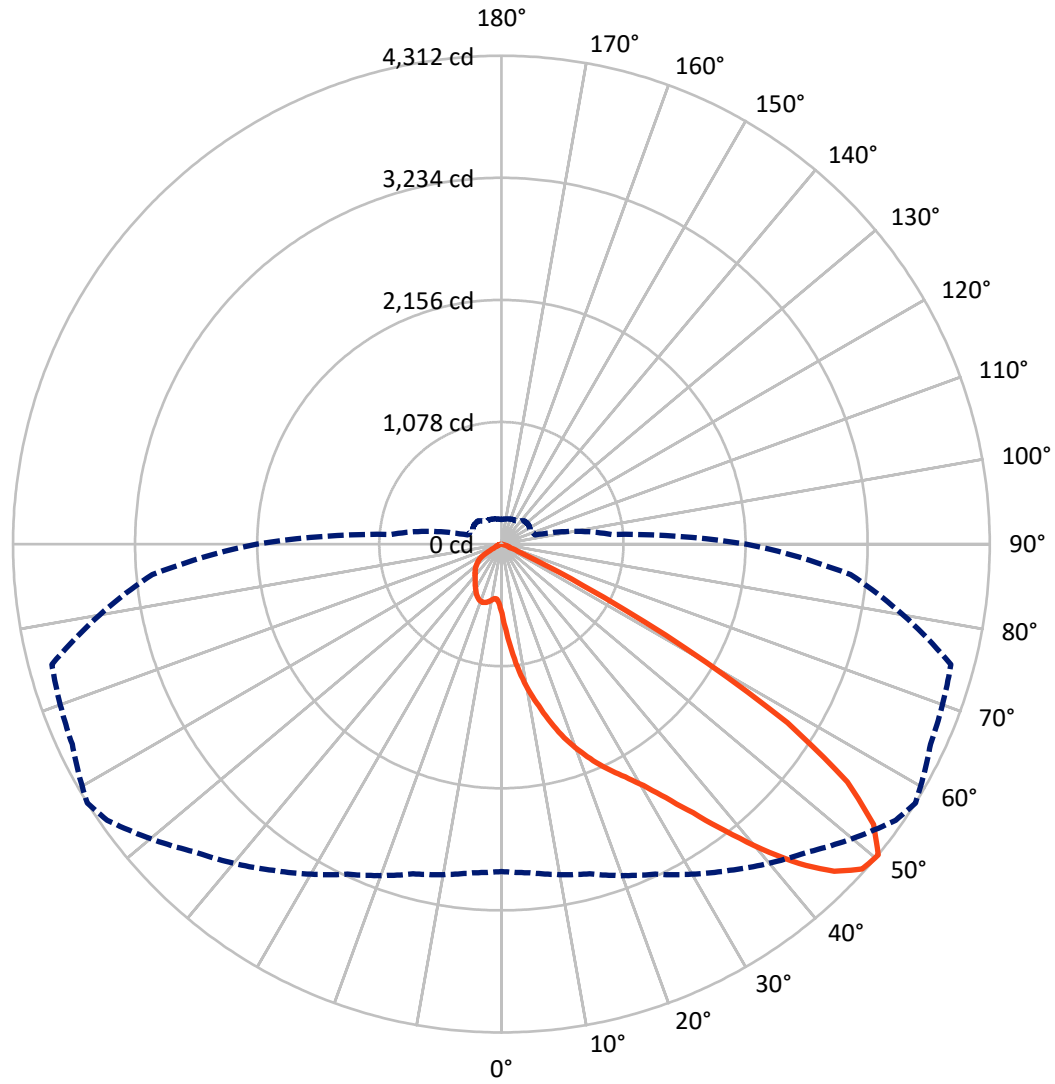
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.8 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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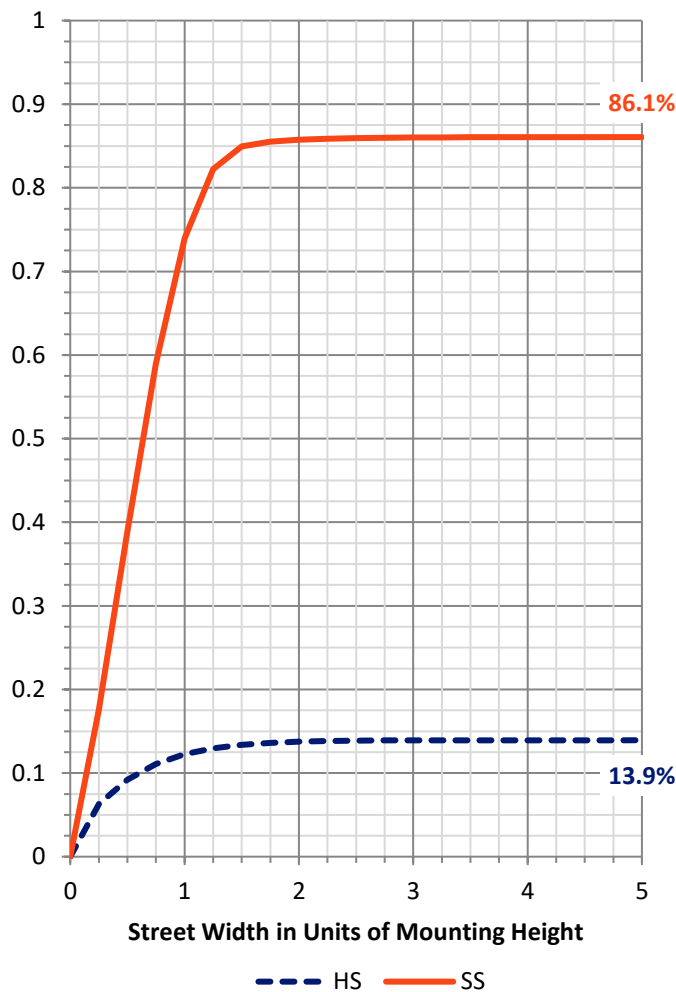
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	717.8	0.0	717.8
	% Fixture	14.0	0.0	14.0
Street Side	Lumens	4407.0	0.0	4407.0
	% Fixture	86.0	0.0	86.0
Total	Lumens	5124.8	0.0	5124.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.8	1.5
10°-20°	300.2	5.9
20°-30°	607.5	11.9
30°-40°	1074.7	21.0
40°-50°	1566.7	30.6
50°-60°	1255.8	24.5
60°-70°	226.2	4.4
70°-80°	17.8	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°	5124.8	100.0
0°-180°	5124.8	100.0

Coefficient of Utilization



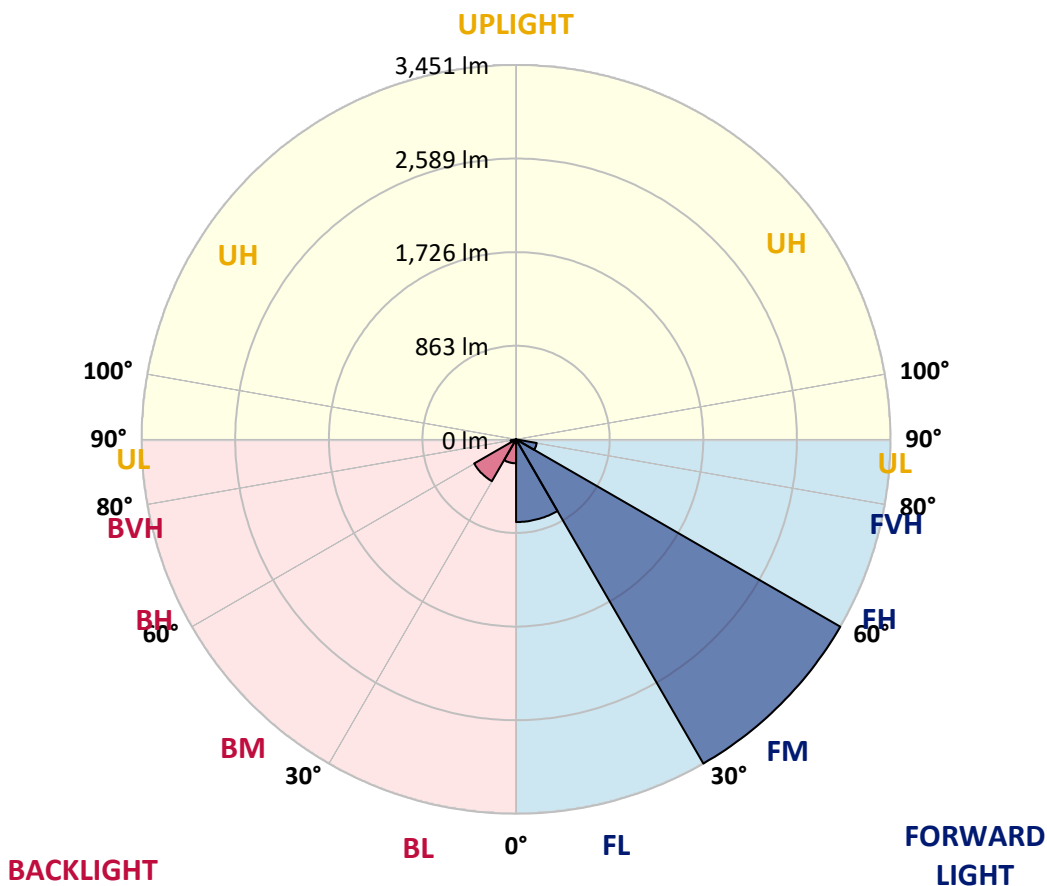
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	762.6	14.9			
FM (30°-60°)	3451.4	67.3			
FH (60°-80°)	193.1	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	221.0	4.3	B1/500		
BM (30°-60°)	445.8	8.7	B1/1000		
BH (60°-80°)	51.0	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°	612.1	612.1	612.1	612.1	612.1	612.1	612.1	612.1	612.1	612.1	612.1
2.5°	905.9	891.6	883.4	876.8	847.8	801.8	771.6	755.7	729.4	685.0	646.7
5°	1182.1	1171.7	1152.5	1139.4	1102.1	1036.9	969.5	942.6	882.9	782.6	692.7
7.5°	1365.1	1357.5	1350.3	1332.8	1297.7	1238.5	1164.0	1136.1	1044.0	901.5	754.1
10°	1506.0	1500.0	1491.7	1491.2	1463.8	1410.6	1337.7	1308.7	1209.0	1030.8	826.4
12.5°	1629.8	1624.9	1623.3	1638.6	1621.1	1581.6	1502.7	1466.5	1360.8	1162.9	906.4
15°	1714.8	1713.7	1720.8	1751.0	1760.8	1742.7	1676.4	1637.5	1515.8	1295.5	994.7
17.5°	1753.7	1757.0	1770.7	1822.7	1866.6	1881.9	1831.0	1798.1	1669.8	1429.8	1088.9
20°	1820.0	1818.9	1827.1	1876.5	1930.2	1985.0	1969.6	1941.7	1825.5	1571.7	1193.6
22.5°	2006.9	1991.0	1973.5	1981.1	2000.3	2064.4	2092.9	2078.7	1986.1	1717.5	1301.6
25°	2294.1	2277.6	2221.2	2166.4	2130.2	2159.2	2198.1	2205.3	2145.5	1867.1	1414.5
27.5°	2598.8	2584.0	2520.4	2438.2	2334.6	2284.2	2313.2	2327.5	2302.3	2045.2	1534.5
30°	2884.3	2864.5	2794.9	2693.0	2573.0	2495.7	2462.8	2472.7	2487.5	2256.2	1675.3
32.5°	3132.0	3117.2	3033.9	2926.5	2810.8	2730.3	2653.6	2670.0	2706.2	2514.4	1855.6
35°	3341.9	3334.2	3246.0	3139.1	3016.9	2975.8	2910.0	2913.3	2949.5	2826.2	2075.4
37.5°	3524.4	3511.2	3431.2	3332.0	3235.0	3228.4	3210.4	3212.0	3230.6	3189.5	2328.0
40°	3639.5	3627.4	3570.4	3509.0	3440.0	3441.1	3534.8	3541.9	3520.5	3546.3	2594.9
42.5°	3682.8	3674.0	3643.3	3643.8	3636.7	3669.1	3845.0	3858.1	3781.4	3826.3	2822.9
45°	3607.7	3603.8	3606.0	3684.9	3770.4	3870.2	4098.7	4121.7	4013.2	4012.1	3001.0
47.5°	3365.4	3357.8	3421.9	3556.2	3754.0	3948.0	4252.2	4287.8	4175.4	4118.4	3112.8
50°	2890.9	2912.8	3014.2	3215.8	3516.7	3841.1	4250.5	4312.4	4181.5	4109.1	3094.2
52.5°	2094.0	2089.6	2311.6	2588.9	2955.0	3499.2	4024.7	4115.2	4035.1	4017.6	3052.5
55°	1139.4	1179.4	1329.0	1696.2	2153.2	2851.9	3509.0	3706.3	3798.9	3984.2	3127.6
57.5°	418.7	436.2	529.9	789.7	1139.9	1773.4	2680.4	2978.0	3264.1	3891.0	3115.0
60°	168.8	172.1	209.3	290.5	479.0	902.6	1607.9	1872.1	2141.7	2978.5	2390.5
62.5°	122.8	127.1	141.9	169.9	242.2	394.6	693.3	806.2	881.2	1475.3	1177.7
65°	99.2	102.5	114.5	127.1	160.0	212.1	223.6	215.4	214.3	381.4	270.2
67.5°	82.2	85.5	94.3	103.0	115.1	105.8	76.7	80.6	65.8	65.2	53.2
70°	60.3	64.1	72.9	82.2	69.1	28.5	44.4	65.8	49.9	41.7	40.6
72.5°	45.5	48.2	56.4	53.7	20.3	11.0	29.6	47.7	38.4	30.7	30.1
75°	34.0	35.6	28.5	8.8	2.2	2.7	11.0	19.7	21.4	17.5	17.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.6	2.2	2.7	3.3
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°	612.1	612.1	612.1	612.1	612.1	612.1	612.1	612.1	612.1	612.1	612.1
2.5°	624.8	601.7	568.9	541.5	520.6	500.4	485.0	469.7	469.1	461.4	459.8
5°	651.1	609.4	549.1	505.8	479.5	463.6	452.7	447.2	444.5	441.7	440.6
7.5°	688.9	629.1	545.8	499.8	477.9	467.5	459.8	456.5	454.9	452.7	452.1
10°	735.5	657.6	557.9	511.3	492.1	482.3	474.0	469.1	466.4	462.5	461.4
12.5°	791.4	692.7	577.1	530.5	510.2	497.1	486.1	479.0	475.1	470.2	469.1
15°	851.6	730.5	598.4	548.0	523.9	506.9	493.2	482.3	475.1	469.1	467.5
17.5°	914.1	768.9	617.6	560.1	530.5	510.2	490.5	475.7	466.9	459.2	457.1
20°	984.3	808.3	630.2	562.3	528.3	501.4	478.4	459.8	451.0	440.6	438.4
22.5°	1057.7	845.1	635.7	557.3	516.2	485.0	460.3	441.2	428.6	417.6	414.3
25°	1128.9	877.9	633.0	543.6	498.2	462.0	436.8	417.1	403.3	392.4	389.6
27.5°	1204.6	905.3	623.1	523.4	473.5	436.8	412.7	395.7	383.1	371.0	368.3
30°	1289.5	930.6	607.2	498.7	444.5	411.0	392.4	380.9	367.2	354.6	350.7
32.5°	1392.0	953.0	584.2	469.1	418.7	388.6	378.1	369.4	353.5	340.3	337.6
35°	1509.3	971.7	555.2	438.4	393.5	374.3	372.1	360.6	339.8	324.4	321.1
37.5°	1645.2	989.7	520.6	408.3	374.9	367.7	368.3	348.5	323.3	304.7	302.5
40°	1791.5	1007.8	482.3	382.0	357.9	363.9	359.0	331.0	289.9	271.8	269.6
42.5°	1943.9	1027.6	443.4	357.3	343.6	349.1	342.0	295.9	266.3	257.0	255.9
45°	2081.4	1051.1	401.2	332.7	329.4	327.7	315.7	268.0	255.4	248.8	248.3
47.5°	2180.6	1047.3	356.2	309.1	314.0	308.5	271.8	254.8	244.4	235.7	233.5
50°	2162.5	980.4	309.6	282.8	294.3	289.4	244.4	239.5	230.2	220.9	217.6
52.5°	2116.5	889.5	269.1	254.8	272.9	261.4	225.8	220.9	212.6	200.6	196.7
55°	2141.1	804.0	237.3	232.4	251.0	216.5	205.0	197.3	188.5	175.4	173.7
57.5°	2061.7	656.0	190.7	194.0	222.0	184.7	179.8	167.7	152.9	144.1	143.0
60°	1427.1	352.4	119.5	123.3	160.6	155.1	161.1	150.2	132.1	123.9	122.2
62.5°	655.4	141.4	65.2	62.5	84.4	105.2	138.1	137.0	114.5	101.4	100.3
65°	158.9	64.7	46.6	43.8	47.7	63.0	89.9	108.0	92.6	77.3	75.6
67.5°	51.5	52.6	42.7	40.0	42.2	47.1	53.7	59.7	59.2	54.3	53.2
70°	41.1	47.7	39.5	36.2	36.2	37.8	36.2	29.0	25.2	27.4	28.5
72.5°	30.7	36.2	31.2	27.9	26.9	26.3	22.5	16.4	11.5	10.4	9.9
75°	18.1	20.3	19.2	16.4	15.3	13.7	11.0	7.1	3.8	2.7	1.6
77.5°	3.3	3.8	4.4	3.3	2.7	2.2	1.6	0.5	0.0	0.0	0.0
80°	0.0	0.5	0.5	0.5	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)