

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: P629430

Luminaire Tested: GWS-SA1B-750-U-T3R-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629430  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-750-U-T3R-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

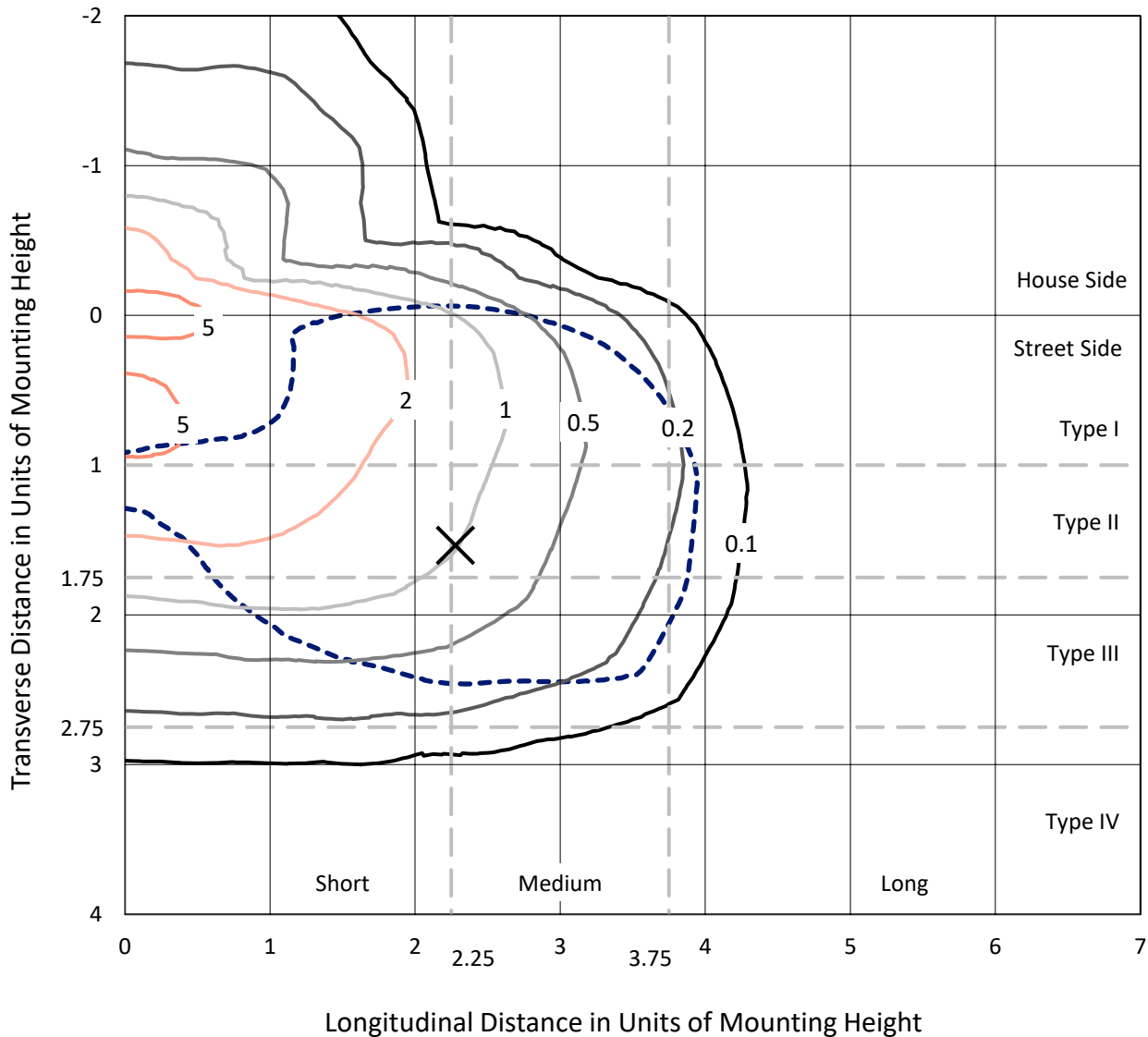
Lumens per Lamp: N/A  
Luminaire Lumens: 3727 lumens  
Efficiency: N/A  
Efficacy: 149.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

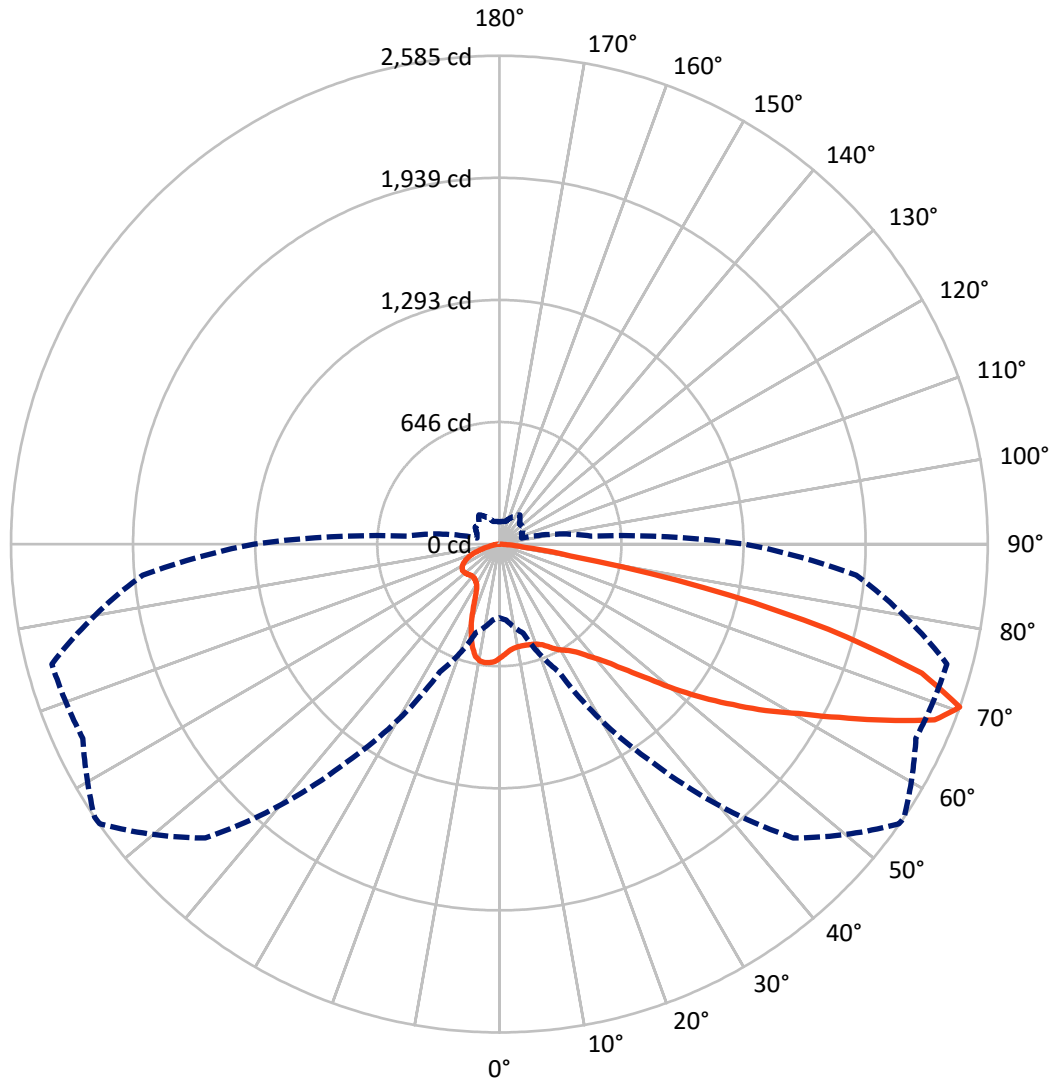
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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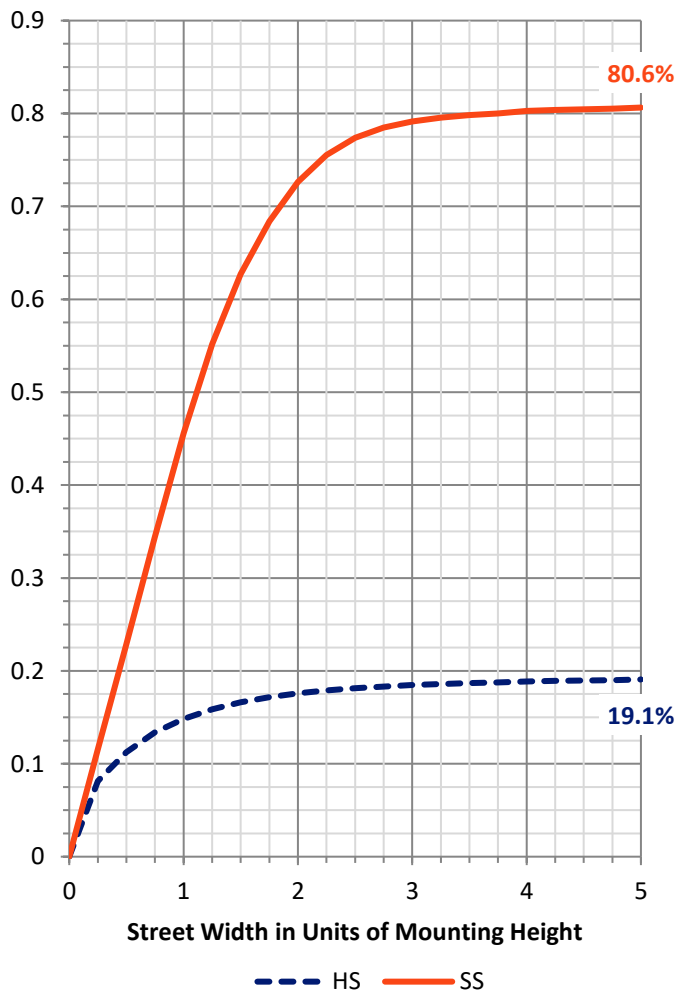
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	716.5	0.0	716.5
	% Fixture	19.2	0.0	19.2
<b>Street Side</b>	Lumens	3010.5	0.0	3010.5
	% Fixture	80.8	0.0	80.8
<b>Total</b>	Lumens	3727.0	0.0	3727.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	55.7	1.5
10°-20°	150.8	4.0
20°-30°	249.4	6.7
30°-40°	372.9	10.0
40°-50°	554.9	14.9
50°-60°	788.9	21.2
60°-70°	977.0	26.2
70°-80°	539.5	14.5
80°-90°	38.0	1.0
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°	3727.0	100.0
0°-180°	3727.0	100.0

**Coefficient of Utilization**



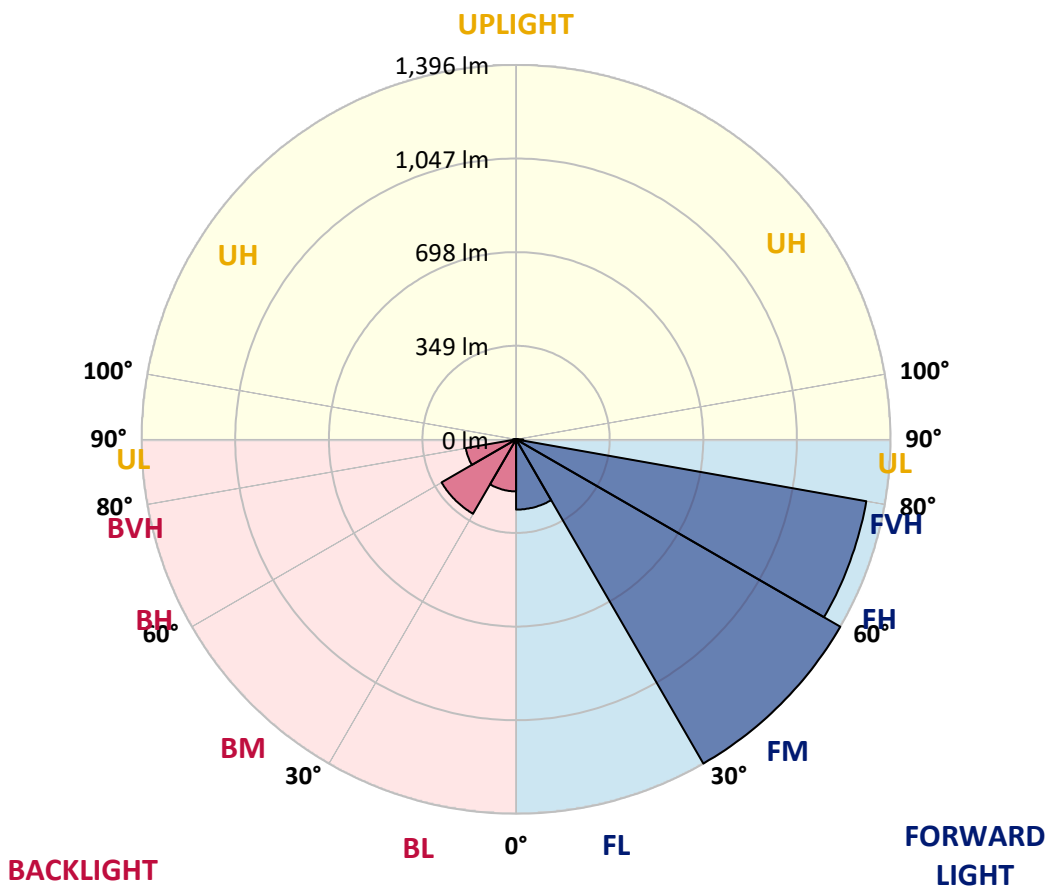
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	261.9	7.0			
FM (30°-60°)	1396.1	37.5			
FH (60°-80°)	1326.1	35.6			G1/1800
FVH (80°-90°)	26.4	0.7			G1/100
BL (0°-30°)	194.0	5.2	B1/500		
BM (30°-60°)	320.5	8.6	B1/1000		
BH (60°-80°)	190.4	5.1	B1/500		G1/500
BVH (80°-90°)	11.6	0.3			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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	601.6	601.6	601.6	601.6	601.6	601.6	601.6	601.6	601.6	601.6	601.6
2.5°	563.0	559.8	563.5	565.3	570.1	576.9	582.9	583.2	586.4	594.0	601.3
5°	537.5	535.9	536.9	542.5	547.5	556.1	565.3	566.1	575.1	590.0	604.7
7.5°	517.8	515.7	519.6	526.7	533.0	542.7	554.8	555.9	568.5	591.1	613.7
10°	489.4	487.8	495.2	504.6	518.3	534.3	550.3	551.7	568.2	597.9	629.5
12.5°	477.0	477.0	480.2	489.1	504.1	525.4	549.6	551.7	572.4	608.4	649.7
15°	496.2	497.5	494.9	494.4	500.4	520.6	550.6	553.8	580.3	619.2	669.7
17.5°	534.8	536.2	529.3	518.5	512.5	525.1	554.6	558.0	588.7	631.0	691.2
20°	589.0	590.6	575.6	559.0	538.3	538.0	562.2	565.3	599.5	643.9	714.1
22.5°	652.3	653.4	634.4	608.2	576.4	561.9	575.3	578.5	613.4	661.8	738.8
25°	725.6	728.8	705.9	667.8	624.7	594.8	597.1	600.8	638.4	685.7	768.0
27.5°	804.0	807.9	781.6	739.6	680.2	631.0	625.2	628.4	664.9	700.4	783.5
30°	884.1	887.0	860.7	812.6	739.8	672.0	648.9	650.7	676.5	707.5	799.2
32.5°	973.2	970.9	945.6	890.2	808.7	721.2	671.0	670.5	689.4	721.7	821.8
35°	1056.8	1060.2	1033.4	972.2	884.4	781.9	704.1	702.0	716.7	744.8	853.6
37.5°	1158.0	1156.9	1124.9	1058.6	960.3	840.0	750.6	746.9	752.2	780.8	898.1
40°	1230.3	1237.6	1216.9	1155.1	1049.2	911.5	805.0	796.9	798.2	825.3	957.5
42.5°	1289.4	1296.2	1298.3	1258.9	1150.9	999.8	872.8	864.7	865.5	903.8	1030.5
45°	1334.9	1344.1	1373.8	1362.2	1265.5	1101.7	964.5	956.1	956.7	999.2	1118.8
47.5°	1353.5	1363.5	1423.7	1451.3	1387.2	1223.7	1078.6	1066.3	1068.1	1115.1	1219.7
50°	1347.5	1360.9	1442.4	1519.9	1489.1	1347.7	1215.0	1206.3	1199.2	1267.6	1329.3
52.5°	1295.4	1310.2	1440.5	1563.5	1572.5	1465.0	1355.9	1350.9	1349.3	1429.5	1451.8
55°	1142.2	1166.9	1377.2	1575.1	1637.6	1575.3	1508.6	1500.2	1508.3	1602.9	1575.6
57.5°	1057.3	1075.7	1253.1	1562.2	1691.0	1680.5	1661.0	1661.8	1671.0	1791.4	1725.7
60°	1009.0	1030.5	1184.3	1527.0	1742.2	1808.2	1820.6	1820.6	1837.1	1994.5	1878.1
62.5°	944.8	966.7	1119.9	1459.2	1789.5	1958.5	2021.1	2020.3	2026.9	2212.4	2027.1
65°	814.7	835.0	990.6	1352.2	1812.7	2124.1	2249.0	2246.6	2233.4	2406.4	2125.7
67.5°	591.6	610.8	758.8	1148.8	1729.4	2257.6	2483.6	2484.7	2406.1	2528.6	2130.9
70°	390.0	403.2	487.8	746.1	1406.4	2200.1	2581.9	2585.1	2432.7	2452.4	1896.5
72.5°	243.4	252.6	304.6	445.0	831.0	1741.4	2329.6	2338.3	2188.5	2155.1	1558.3
75°	161.6	167.9	202.6	259.4	384.5	942.5	1770.9	1798.7	1754.1	1689.4	1085.7
77.5°	97.2	102.5	129.0	164.8	170.3	368.2	1033.7	1105.7	1112.0	882.0	454.7
80°	44.4	50.5	71.2	94.1	90.7	128.3	364.5	381.4	449.9	280.2	143.5
82.5°	26.3	28.9	47.3	46.8	38.6	62.3	131.1	134.6	114.3	102.5	61.2
85°	10.5	12.4	20.0	17.6	14.2	20.2	49.4	51.8	49.7	44.7	22.6
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	4.5	4.7	6.8	12.4	6.8
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°	601.6	601.6	601.6	601.6	601.6	601.6	601.6	601.6	601.6	601.6	601.6
2.5°	606.1	604.5	612.4	618.4	621.0	623.7	621.3	620.5	620.5	615.3	612.6
5°	612.6	613.4	624.2	629.2	629.2	627.1	620.8	616.3	614.7	607.9	606.1
7.5°	625.0	628.4	638.4	638.1	630.8	619.2	603.4	591.3	580.3	575.6	572.7
10°	645.2	649.7	656.5	645.5	625.0	594.5	561.1	534.8	519.1	506.5	506.5
12.5°	668.4	672.6	671.2	645.7	603.4	546.4	498.3	468.1	446.0	434.4	434.4
15°	691.5	694.9	680.7	633.7	558.5	482.5	430.0	393.7	374.5	363.7	363.7
17.5°	714.9	714.6	684.6	605.8	499.9	411.8	360.3	332.2	325.6	323.8	323.5
20°	737.5	731.4	679.7	559.3	431.8	340.6	308.0	309.9	319.6	323.8	324.3
22.5°	763.0	748.0	664.9	499.9	354.5	291.2	293.3	308.6	322.7	329.1	329.8
25°	789.0	762.2	640.2	430.2	289.9	273.1	289.4	306.4	322.5	330.6	331.4
27.5°	799.5	762.2	598.2	349.6	255.5	265.4	283.3	299.9	316.7	326.2	328.0
30°	808.2	755.6	539.3	276.7	241.3	258.1	273.6	288.8	305.4	317.0	319.1
32.5°	820.3	749.8	468.1	232.6	234.7	251.0	261.8	274.6	289.6	297.2	296.5
35°	834.5	740.9	382.1	211.6	229.2	244.9	252.6	260.2	253.4	253.1	253.9
37.5°	854.7	733.0	307.2	202.1	225.5	240.7	247.1	230.8	221.3	217.4	215.8
40°	883.9	729.9	242.3	196.6	225.0	240.5	236.0	210.8	197.9	184.2	184.0
42.5°	920.7	727.5	200.3	194.0	226.8	246.5	220.8	197.6	171.1	165.1	164.5
45°	968.0	723.8	179.2	193.4	231.3	251.3	219.2	179.5	161.4	158.7	158.7
47.5°	1025.0	718.0	169.8	193.4	236.3	249.2	214.5	175.6	156.9	159.8	161.6
50°	1090.4	710.7	164.8	192.9	241.3	249.2	204.5	174.8	155.9	170.8	176.9
52.5°	1160.4	702.3	161.4	190.8	244.7	249.4	205.0	177.4	156.9	173.5	178.5
55°	1237.6	700.9	156.6	186.3	245.7	242.6	206.3	183.2	158.5	157.2	157.4
57.5°	1335.1	716.7	153.2	179.8	241.5	228.7	208.9	187.4	156.6	156.9	158.7
60°	1437.1	746.4	156.1	173.5	232.9	215.5	210.8	185.3	147.7	143.5	144.0
62.5°	1523.8	769.0	158.5	170.6	220.2	203.9	208.9	180.6	142.7	141.7	144.0
65°	1560.1	750.4	152.7	164.5	201.8	189.8	205.0	174.5	138.5	134.6	134.8
67.5°	1519.9	662.8	141.4	151.1	181.1	171.6	198.7	166.6	132.7	128.0	126.9
70°	1298.3	487.0	121.9	129.8	155.9	150.3	189.0	156.4	123.5	120.1	117.7
72.5°	1046.3	344.8	101.2	103.3	122.2	126.7	172.1	143.5	113.0	103.3	99.9
75°	728.3	216.6	84.4	82.3	88.3	96.7	134.3	119.1	97.5	87.3	84.1
77.5°	313.3	111.2	66.0	64.9	58.9	67.0	103.0	99.3	81.7	69.9	68.1
80°	104.9	64.4	47.6	45.7	39.2	47.0	72.5	79.4	64.1	51.8	48.6
82.5°	52.6	37.3	30.2	27.3	26.3	29.7	42.8	49.4	44.4	35.7	30.2
85°	25.8	21.3	16.6	16.3	13.7	12.9	17.9	21.0	20.0	14.7	13.9
87.5°	9.5	8.4	5.3	4.2	2.6	1.8	1.1	1.1	0.8	0.8	0.8
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)