

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: P630074

Luminaire Tested: GWS-SA1C-830-U-T2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630074  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-830-U-T2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH  
Light Source: (16) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

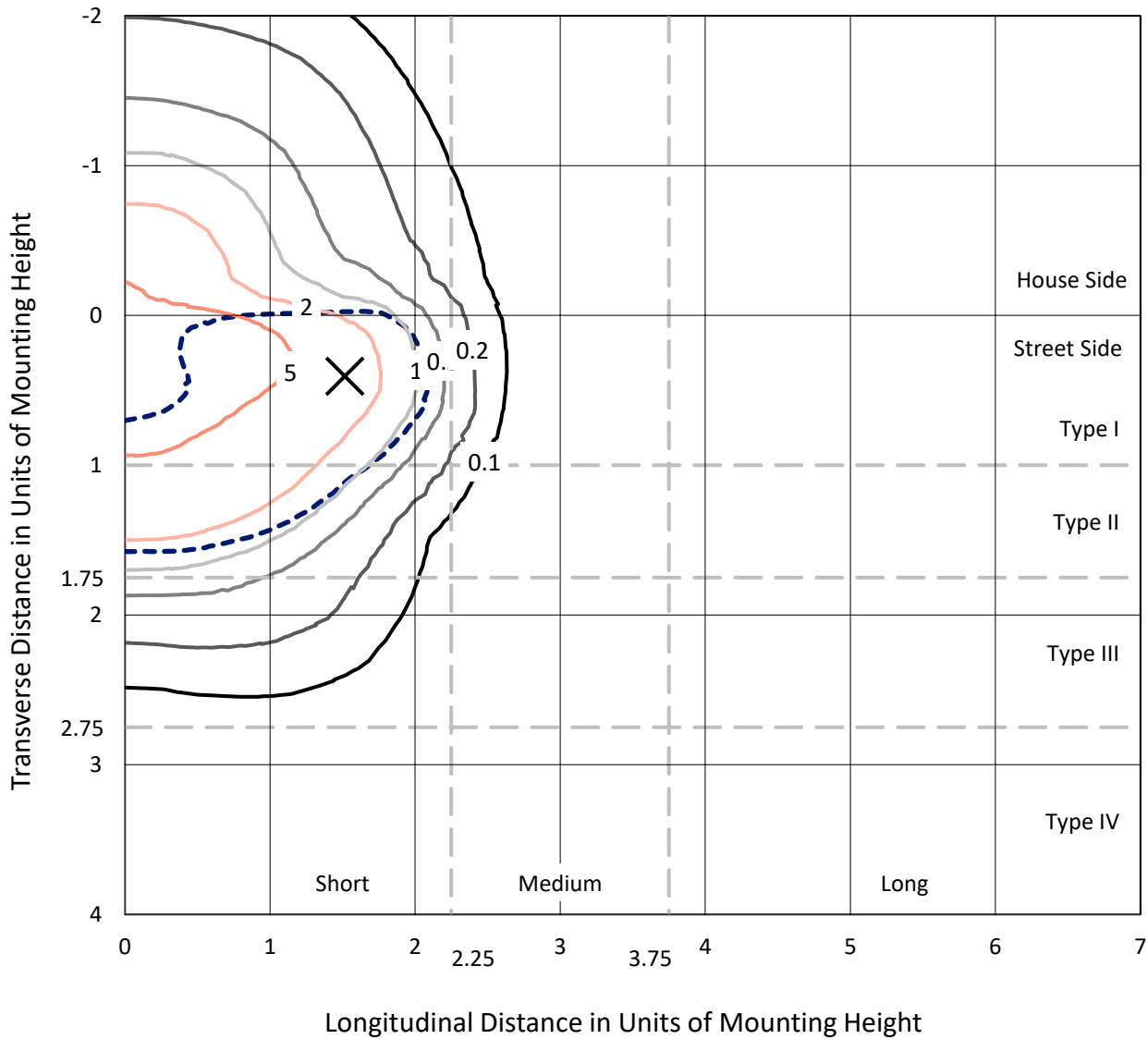
Lumens per Lamp: N/A  
Luminaire Lumens: 3183.4 lumens  
Efficiency: N/A  
Efficacy: 93.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

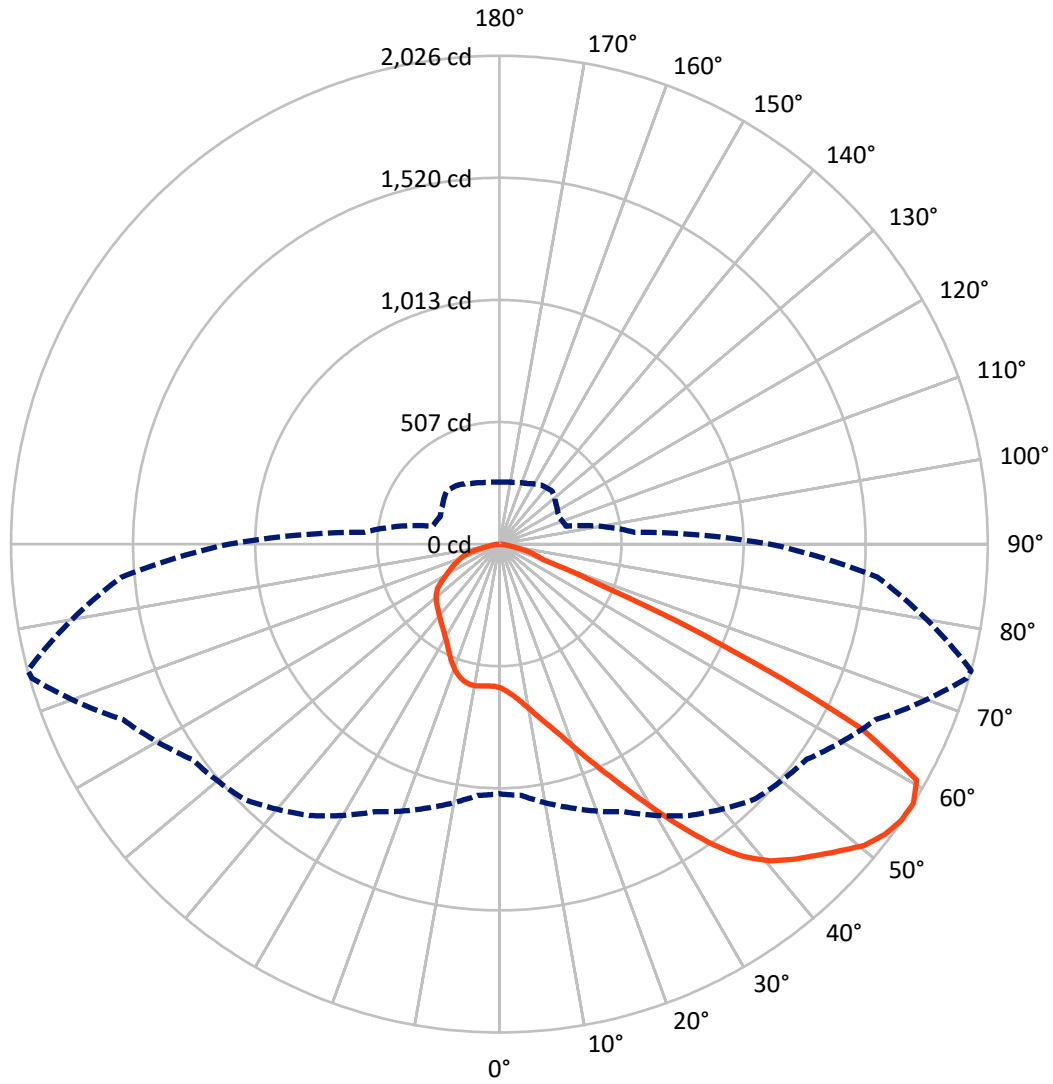
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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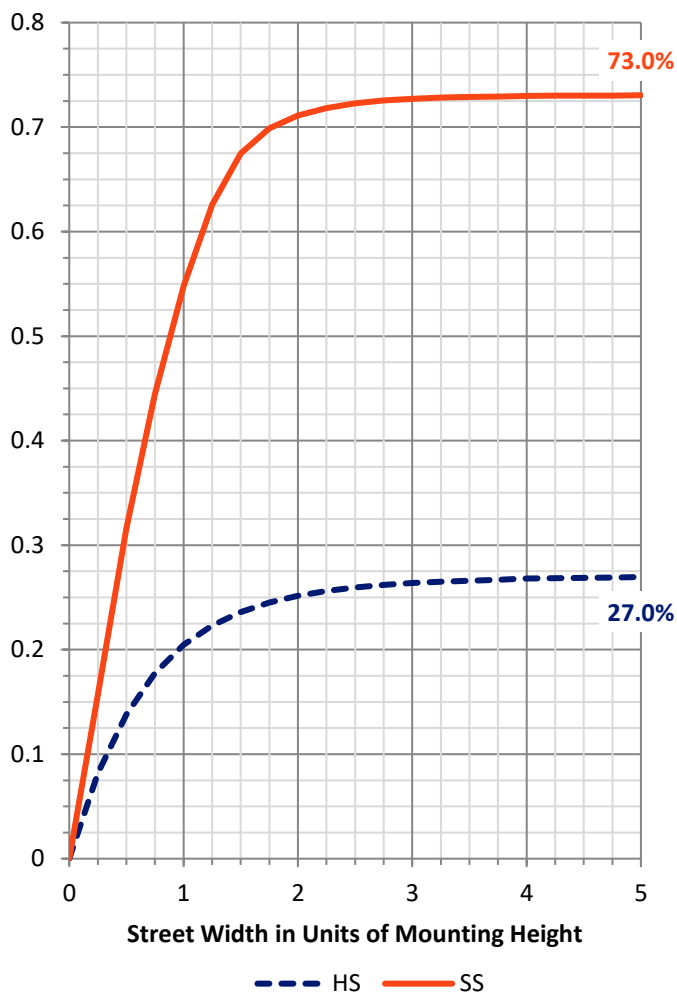
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	861.2	0.0	861.2
	% Fixture	27.1	0.0	27.1
<b>Street Side</b>	Lumens	2322.2	0.0	2322.2
	% Fixture	72.9	0.0	72.9
<b>Total</b>	Lumens	3183.4	0.0	3183.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.7	1.9
10°-20°	189.9	6.0
20°-30°	336.9	10.6
30°-40°	515.7	16.2
40°-50°	718.0	22.6
50°-60°	822.7	25.8
60°-70°	422.7	13.3
70°-80°	106.4	3.3
80°-90°	11.4	0.4
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°	3183.4	100.0
0°-180°	3183.4	100.0

**Coefficient of Utilization**



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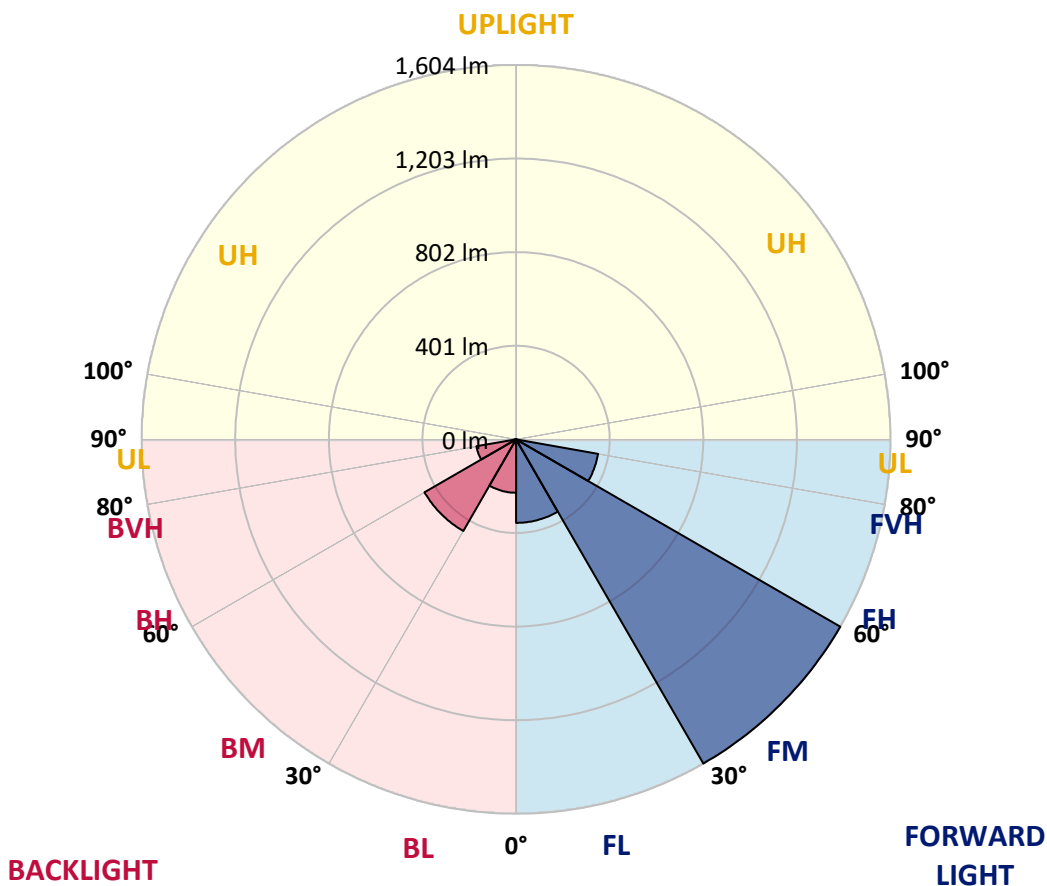
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	357.7	11.2			
FM (30°-60°)	1603.5	50.4			
FH (60°-80°)	356.8	11.2			G0/660
FVH (80°-90°)	4.2	0.1			G0/10
BL (0°-30°)	228.8	7.2	B1/500		
BM (30°-60°)	452.9	14.2	B1/1000		
BH (60°-80°)	172.3	5.4	B1/500		G1/500
BVH (80°-90°)	7.2	0.2			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°	55°	65°	74°	75°	85°
0°	596.2	596.2	596.2	596.2	596.2	596.2	596.2	596.2	596.2	596.2	596.2
2.5°	640.5	642.2	640.5	643.3	637.8	635.3	629.3	620.3	613.1	612.1	604.1
5°	690.3	693.9	691.7	690.6	683.2	677.7	668.7	650.6	635.9	633.7	618.1
7.5°	722.4	724.8	724.8	725.6	722.9	716.6	707.0	685.7	664.9	661.6	638.1
10°	733.0	735.0	738.5	745.4	750.8	752.7	746.4	725.9	700.5	697.2	664.3
12.5°	735.5	737.7	743.2	755.8	770.8	784.5	785.6	770.5	742.1	738.5	694.7
15°	740.2	742.3	749.7	765.3	787.5	813.8	829.9	819.5	788.1	784.2	729.2
17.5°	739.6	742.1	753.0	773.8	803.7	841.7	872.9	877.3	844.7	838.1	768.3
20°	738.2	740.4	752.2	777.7	814.6	866.9	923.3	946.0	911.0	904.9	814.1
22.5°	749.2	751.7	760.7	781.8	820.4	886.3	969.8	1024.6	989.5	981.0	866.6
25°	773.8	777.4	782.9	797.4	830.8	903.6	1017.4	1113.5	1077.7	1067.5	923.8
27.5°	811.9	816.2	823.9	830.8	854.0	925.5	1064.8	1213.2	1177.3	1166.6	984.3
30°	858.4	864.2	874.0	878.7	894.5	957.8	1116.3	1315.8	1295.0	1280.2	1052.5
32.5°	922.7	930.7	940.0	941.3	950.9	1006.8	1167.2	1417.6	1417.4	1406.9	1129.9
35°	1006.5	1015.0	1016.9	1018.8	1023.5	1074.1	1228.8	1510.4	1546.3	1534.2	1214.2
37.5°	1097.9	1110.2	1113.2	1104.8	1111.3	1155.1	1298.0	1584.9	1658.5	1645.6	1295.8
40°	1195.6	1200.6	1208.8	1195.4	1203.6	1247.9	1365.9	1632.5	1742.3	1728.6	1360.1
42.5°	1265.7	1274.7	1287.1	1282.1	1286.8	1327.3	1413.5	1655.5	1801.9	1788.2	1406.4
45°	1341.8	1344.5	1352.5	1351.4	1354.1	1391.9	1447.7	1665.6	1855.3	1843.0	1445.8
47.5°	1408.0	1412.2	1417.4	1411.3	1405.3	1429.9	1475.7	1674.4	1916.9	1902.1	1487.2
50°	1471.8	1475.4	1481.7	1464.2	1441.7	1448.0	1489.3	1686.4	1974.7	1964.3	1519.7
52.5°	1483.6	1487.4	1517.0	1520.5	1491.8	1469.6	1513.4	1713.0	2008.6	2002.0	1531.5
55°	1335.5	1342.4	1401.2	1468.8	1539.7	1532.6	1552.0	1726.9	2022.0	2023.7	1552.6
57.5°	1036.6	1046.5	1132.4	1225.2	1374.4	1497.8	1557.0	1723.4	2017.4	2026.4	1574.2
60°	679.9	685.7	787.5	891.5	1046.2	1217.0	1393.5	1659.3	1976.0	1988.9	1568.7
62.5°	410.6	417.2	499.0	577.8	669.0	783.1	945.2	1333.6	1656.3	1685.1	1256.4
65°	286.6	295.3	367.1	431.9	463.4	439.9	478.7	744.8	1031.9	1044.0	767.8
67.5°	207.8	213.8	272.6	349.8	384.6	310.7	236.8	329.8	449.5	453.8	316.7
70°	136.0	142.9	196.3	266.3	314.0	251.8	177.1	178.5	189.1	191.3	183.9
72.5°	74.7	78.8	121.3	176.8	185.6	150.5	138.2	148.4	155.7	155.7	157.7
75°	38.6	42.2	49.5	58.3	70.3	82.4	99.6	114.7	122.6	123.2	122.4
77.5°	19.7	21.1	26.6	28.7	31.5	36.7	47.6	61.0	68.2	70.9	70.3
80°	9.3	9.9	11.2	13.1	16.1	20.5	25.7	30.7	35.0	35.6	38.6
82.5°	4.9	5.5	6.0	7.1	8.8	10.9	15.1	18.1	20.8	21.4	23.8
85°	1.9	2.2	2.5	2.7	3.8	4.7	6.3	8.5	10.4	10.4	12.3
87.5°	0.0	0.0	0.0	0.0	0.3	0.5	1.1	1.4	1.9	1.9	3.3
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°	596.2	596.2	596.2	596.2	596.2	596.2	596.2	596.2	596.2	596.2	596.2
2.5°	602.2	594.3	590.7	585.0	580.3	575.1	571.0	568.0	566.1	565.0	563.9
5°	612.1	600.0	590.4	578.9	571.0	563.3	557.0	552.7	550.5	548.8	547.7
7.5°	627.4	611.2	593.2	575.4	561.4	549.1	541.2	536.5	533.5	532.4	531.6
10°	648.5	626.0	596.2	568.0	547.2	533.8	528.3	526.1	526.4	525.8	525.6
12.5°	672.3	641.6	595.4	554.8	531.8	523.9	524.2	527.7	531.8	532.9	533.2
15°	698.0	656.9	587.4	537.9	519.8	520.6	527.7	536.2	543.9	546.9	547.5
17.5°	725.9	669.8	572.9	519.3	510.0	518.7	531.8	545.8	557.0	562.0	563.3
20°	757.1	680.8	552.4	500.9	500.6	515.2	534.3	552.7	566.9	573.5	574.6
22.5°	790.2	687.6	527.2	483.9	491.1	510.5	532.4	551.6	566.6	573.2	574.6
25°	823.6	689.8	499.5	468.3	481.2	503.1	523.1	538.4	552.7	558.4	559.5
27.5°	854.8	683.5	473.3	454.9	472.2	492.2	505.6	513.8	523.6	528.0	528.8
30°	886.6	670.9	451.1	444.3	462.0	477.1	483.1	483.7	487.5	487.5	488.1
32.5°	918.6	652.3	431.7	433.9	449.5	459.3	460.1	453.8	449.2	441.5	441.2
35°	955.6	633.4	415.8	422.1	434.7	440.7	438.2	426.2	415.0	402.4	401.8
37.5°	989.8	614.0	402.4	410.0	418.0	422.4	416.6	402.1	392.8	379.9	378.0
40°	1018.0	596.4	389.5	397.4	401.3	405.1	395.8	384.0	385.4	378.3	378.0
42.5°	1034.4	579.5	377.5	383.5	386.0	388.7	380.5	371.7	379.1	373.6	373.9
45°	1046.5	564.7	366.5	368.7	374.7	378.8	371.2	361.3	363.0	341.9	337.0
47.5°	1060.1	556.5	356.1	353.9	364.6	371.7	359.9	345.7	335.9	315.1	313.1
50°	1074.6	553.5	345.2	339.1	352.0	358.9	345.2	327.4	314.5	303.3	302.2
52.5°	1079.6	553.2	331.5	321.4	334.2	343.8	332.3	314.2	298.9	288.0	287.4
55°	1099.0	561.1	314.0	297.0	309.0	328.7	320.3	294.3	281.9	277.0	276.5
57.5°	1121.7	562.5	286.3	270.4	287.1	310.4	299.7	277.3	263.9	257.8	257.3
60°	1112.4	528.8	256.8	250.2	268.5	293.2	283.3	263.9	248.3	242.5	242.0
62.5°	847.7	373.4	235.1	232.7	248.5	268.3	266.3	246.1	231.3	227.2	226.6
65°	510.0	262.2	214.3	214.1	225.3	244.2	246.6	230.2	214.6	208.9	208.9
67.5°	252.1	200.6	190.8	189.4	196.5	209.9	220.3	206.9	193.8	188.3	187.5
70°	178.2	176.8	173.5	169.7	171.1	176.6	180.9	169.7	155.7	150.3	149.2
72.5°	154.1	154.4	152.2	149.2	148.1	144.3	140.4	132.2	123.7	118.0	118.5
75°	119.6	120.2	121.5	120.4	117.4	113.3	109.2	98.8	92.0	86.5	85.4
77.5°	69.8	72.5	76.9	75.8	76.4	70.6	69.0	58.9	52.6	48.7	47.9
80°	39.4	41.1	43.0	44.3	42.7	40.2	36.7	31.2	29.3	26.6	26.0
82.5°	23.8	25.5	26.3	27.4	26.8	23.5	20.8	17.2	15.6	14.2	14.0
85°	12.0	13.1	14.0	14.5	12.9	10.7	9.6	7.7	6.6	5.7	5.7
87.5°	3.0	3.3	3.8	3.3	3.0	1.4	1.1	0.3	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)