

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: P629920

Luminaire Tested: GWS-SA1C-750-U-T3R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629920  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-750-U-T3R-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

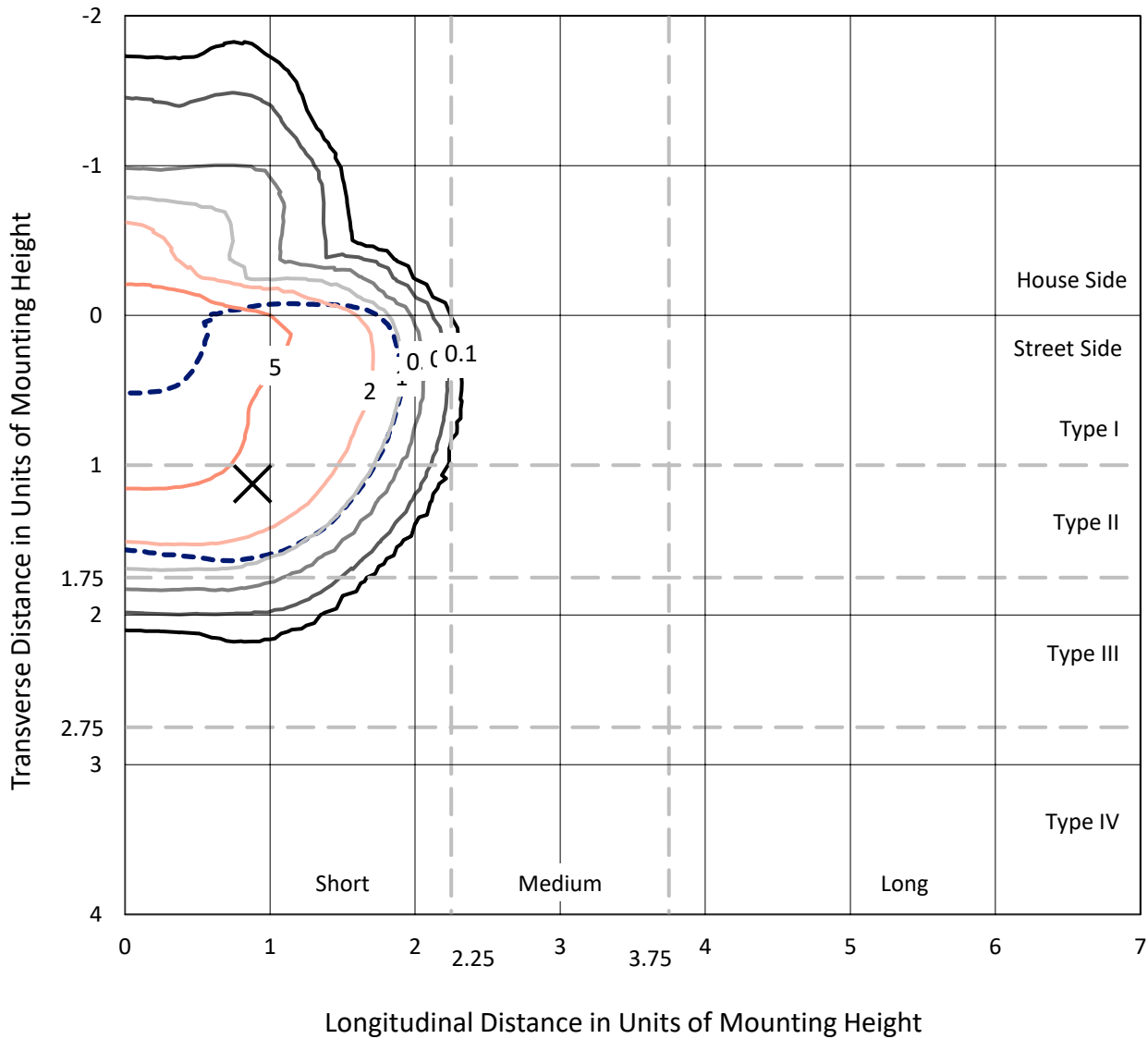
Lumens per Lamp: N/A  
Luminaire Lumens: 3083.7 lumens  
Efficiency: N/A  
Efficacy: 90.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

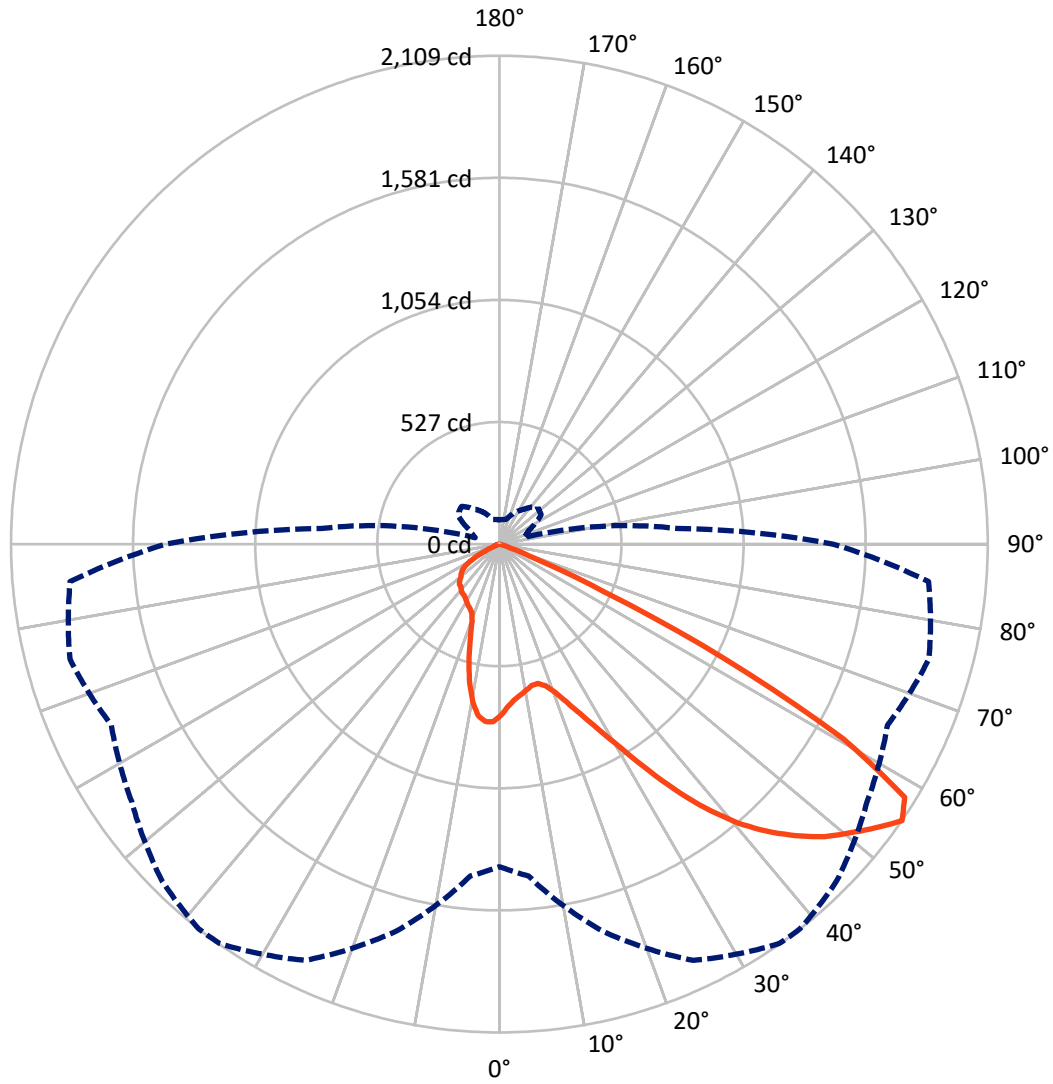
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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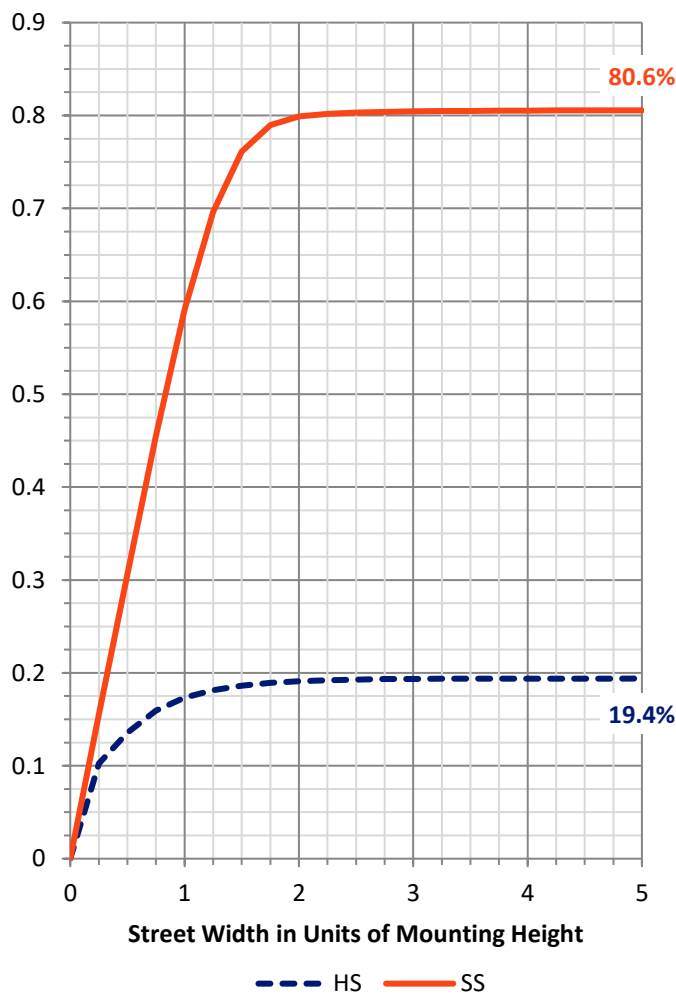
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	600.8	0.0	600.8
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	2482.9	0.0	2482.9
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	3083.7	0.0	3083.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	68.4	2.2
10°-20°	184.1	6.0
20°-30°	315.9	10.2
30°-40°	523.9	17.0
40°-50°	770.2	25.0
50°-60°	900.0	29.2
60°-70°	305.1	9.9
70°-80°	15.6	0.5
80°-90°	0.6	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°	3083.7	100.0
0°-180°	3083.7	100.0

**Coefficient of Utilization**



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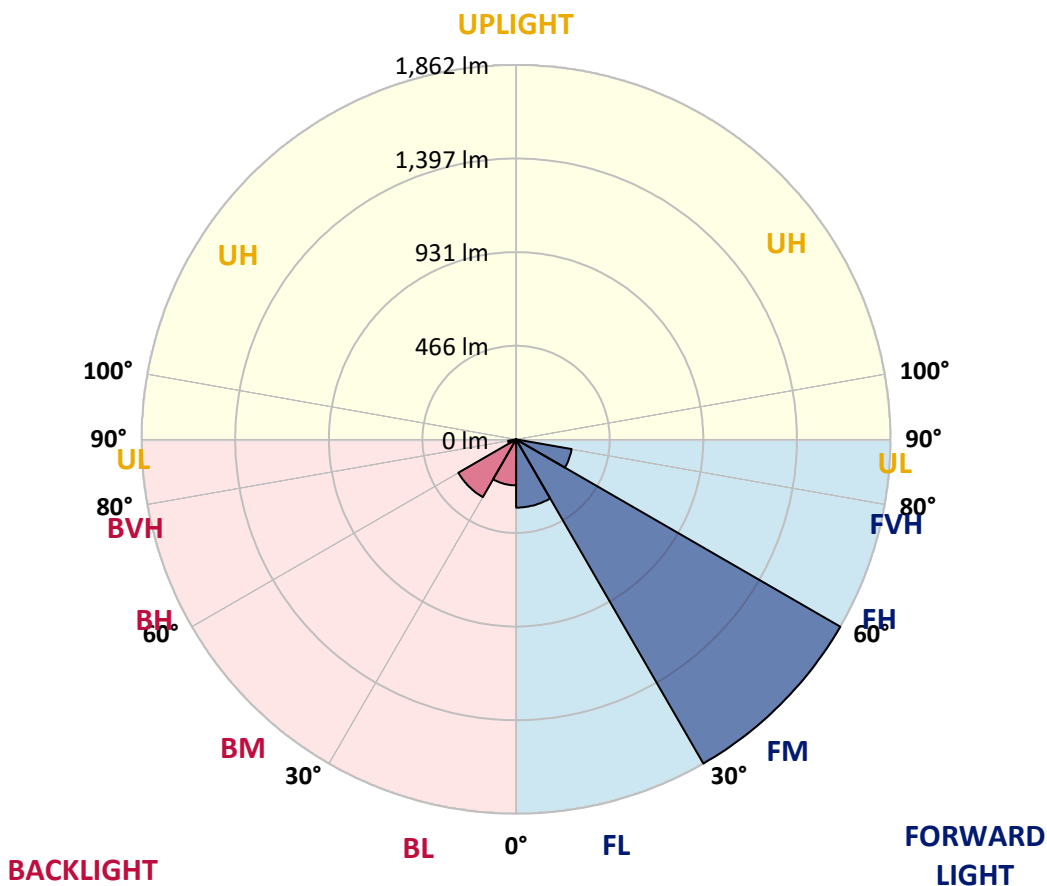
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	339.4	11.0			
FM (30°-60°)	1862.5	60.4			
FH (60°-80°)	280.7	9.1			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	228.9	7.4	B1/500		
BM (30°-60°)	331.6	10.8	B1/1000		
BH (60°-80°)	40.0	1.3	B0/110		G0/110
BVH (80°-90°)	0.3	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°	38°	45°	55°	65°	75°	85°
0°	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5
2.5°	688.7	687.3	690.1	695.8	701.1	702.8	708.1	715.5	720.1	731.0	739.8
5°	657.7	657.0	659.8	664.8	671.8	674.3	682.4	694.7	707.1	726.1	744.8
7.5°	629.5	629.2	633.4	644.3	654.5	657.7	667.6	682.7	699.3	728.6	756.1
10°	592.5	592.9	601.0	616.5	635.2	641.5	657.4	679.2	700.7	738.4	776.5
12.5°	580.5	581.2	585.5	597.4	617.9	626.0	648.2	681.3	708.8	752.5	802.9
15°	609.8	609.8	606.3	607.7	616.8	624.2	647.5	688.4	722.6	769.5	829.0
17.5°	666.5	664.4	655.6	643.6	640.4	642.9	661.6	703.5	742.0	789.2	858.6
20°	743.4	744.1	726.8	701.8	681.7	681.3	692.6	730.3	769.8	812.8	890.7
22.5°	836.4	833.6	810.7	776.5	741.6	738.8	743.4	771.2	810.0	850.2	930.2
25°	944.3	942.9	910.4	864.6	818.4	811.8	811.8	839.2	867.4	903.4	977.4
27.5°	1057.1	1057.1	1025.7	972.8	911.5	899.5	897.8	930.2	948.9	955.9	1017.2
30°	1173.0	1171.6	1140.6	1086.3	1020.8	1008.4	1003.5	1027.5	1040.9	1019.7	1066.9
32.5°	1290.8	1293.2	1261.9	1211.5	1152.9	1144.8	1129.7	1129.7	1140.6	1111.0	1145.2
35°	1417.3	1416.6	1391.9	1357.7	1307.7	1298.5	1273.5	1234.4	1250.9	1237.9	1253.4
37.5°	1529.0	1534.3	1522.3	1497.0	1456.4	1447.3	1406.0	1335.2	1347.9	1368.3	1382.1
40°	1642.5	1646.8	1658.8	1650.6	1599.5	1582.6	1509.3	1393.0	1407.1	1477.2	1516.7
42.5°	1753.9	1756.0	1780.4	1793.8	1725.4	1695.8	1587.6	1428.2	1443.0	1562.5	1631.6
45°	1824.8	1829.4	1869.5	1910.4	1836.4	1795.9	1655.6	1473.4	1479.7	1621.7	1716.6
47.5°	1821.9	1832.5	1908.0	1982.3	1931.9	1888.2	1737.4	1545.6	1535.0	1677.4	1772.6
50°	1765.2	1777.9	1886.1	2004.2	2000.7	1960.1	1828.3	1650.3	1617.2	1726.8	1779.7
52.5°	1647.5	1684.1	1847.7	2007.0	2056.0	2035.5	1940.7	1791.3	1728.2	1797.6	1790.9
55°	1393.0	1438.1	1731.0	1983.0	2106.0	2108.5	2058.8	1938.3	1848.7	1919.6	1860.4
57.5°	1057.4	1093.4	1332.4	1765.2	2023.2	2063.7	2104.6	2015.8	1923.1	2002.8	1876.6
60°	637.3	678.9	834.3	1295.3	1634.1	1703.2	1863.5	1846.3	1734.5	1768.7	1538.9
62.5°	258.4	280.2	385.3	713.8	1028.5	1093.0	1246.7	1272.8	1245.3	1210.4	933.4
65°	94.5	103.3	154.4	295.0	473.0	496.6	577.7	623.9	662.0	563.6	347.2
67.5°	58.5	64.2	100.5	151.6	172.0	160.0	162.8	194.2	185.4	114.6	62.0
70°	43.4	47.9	78.6	105.0	69.4	53.6	36.3	38.8	34.9	30.7	30.3
72.5°	30.0	34.2	58.9	62.0	26.8	19.0	13.4	18.7	21.1	20.8	21.5
75°	19.7	22.9	37.0	24.3	6.7	5.3	4.6	9.9	12.7	12.7	13.0
77.5°	11.6	13.4	13.0	4.9	1.4	1.4	1.1	1.8	2.8	3.2	3.9
80°	1.4	1.1	0.7	0.7	0.7	0.7	0.7	0.7	1.1	1.1	1.1
82.5°	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7	0.7	1.1	1.1
85°	0.0	0.0	0.4	0.4	0.7	0.7	0.7	0.7	0.7	1.1	1.1
87.5°	0.0	0.0	0.4	0.4	0.7	0.7	0.7	0.7	0.7	1.1	1.1
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°	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5	739.5
2.5°	746.5	744.1	754.3	761.7	767.7	770.5	766.6	766.3	766.3	758.5	756.4
5°	755.4	756.4	770.9	777.2	778.3	774.7	765.9	759.9	756.4	748.3	743.7
7.5°	772.3	775.8	789.5	788.5	779.0	762.8	739.5	721.5	709.9	697.2	689.4
10°	796.6	803.3	811.8	796.9	766.6	725.4	677.5	643.3	622.8	608.4	599.6
12.5°	826.2	832.9	830.1	795.2	732.1	658.4	596.7	547.4	523.8	510.7	501.6
15°	856.2	860.4	842.1	774.0	671.1	572.1	503.3	454.3	425.4	414.9	407.1
17.5°	886.8	885.8	844.2	732.4	589.7	474.8	407.1	373.6	365.5	363.8	363.1
20°	918.9	909.4	835.7	672.9	491.7	378.6	340.1	342.3	357.1	364.1	365.5
22.5°	955.6	931.6	814.6	592.2	391.6	315.5	319.3	340.1	360.2	369.7	371.2
25°	994.7	952.0	779.3	488.5	308.8	290.1	313.0	337.0	358.5	370.1	371.5
27.5°	1020.4	957.0	721.5	384.2	265.1	280.2	304.5	327.5	349.7	362.3	364.1
30°	1048.3	954.9	642.9	296.1	250.3	271.8	292.9	313.7	334.1	348.2	349.7
32.5°	1089.2	953.4	547.0	240.4	244.3	265.1	280.6	297.8	311.9	320.0	319.0
35°	1142.7	951.7	435.3	216.8	240.7	259.8	272.1	280.2	264.7	259.8	260.8
37.5°	1211.5	955.9	341.2	206.9	239.7	258.4	268.9	245.7	221.7	212.5	211.1
40°	1287.6	966.8	260.1	203.0	243.2	261.9	257.0	218.5	188.9	171.0	167.1
42.5°	1364.1	978.8	205.8	201.6	249.2	271.8	237.2	198.8	154.4	144.2	142.8
45°	1420.8	976.7	178.0	199.1	254.5	277.4	231.9	170.6	137.8	133.2	133.6
47.5°	1449.4	953.4	162.8	193.5	256.6	271.8	218.9	159.0	126.5	131.5	135.7
50°	1434.2	893.2	148.7	182.6	252.0	264.4	198.1	150.2	120.9	141.3	150.9
52.5°	1415.9	819.2	133.2	165.7	241.1	254.1	190.0	147.7	117.4	136.4	143.5
55°	1440.2	772.3	107.9	139.6	219.6	230.2	183.6	147.3	109.3	106.1	105.0
57.5°	1406.0	678.9	77.2	100.5	168.5	182.2	179.1	144.9	96.9	96.6	98.0
60°	1086.7	414.2	52.9	63.8	103.3	116.3	162.5	138.5	83.5	76.8	77.2
62.5°	617.5	176.2	36.3	39.5	52.9	62.7	124.1	125.8	77.2	73.3	77.2
65°	215.0	63.1	28.2	26.4	29.3	33.5	71.2	97.3	70.1	63.4	64.2
67.5°	44.4	31.4	25.0	21.9	21.9	21.9	36.3	60.6	57.8	50.4	51.1
70°	28.2	26.8	21.9	18.7	18.0	16.6	20.8	33.5	39.8	36.7	37.0
72.5°	20.8	20.4	17.3	15.2	13.4	12.0	13.0	16.6	20.4	21.1	21.5
75°	12.7	13.0	11.3	9.5	8.5	7.4	7.8	7.8	7.8	7.0	7.8
77.5°	3.9	4.2	3.5	2.8	2.5	2.5	2.5	2.1	1.8	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1	0.7	0.7	0.4	0.4	0.0	0.0
82.5°	1.1	1.1	1.1	1.1	0.7	0.7	0.4	0.4	0.0	0.0	0.0
85°	1.1	1.1	1.1	1.1	0.7	0.7	0.4	0.4	0.0	0.0	0.0
87.5°	1.1	1.1	1.1	1.1	0.7	0.7	0.4	0.4	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)