

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: P632386

Luminaire Tested: GWS-SA2C-750-U-T2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632386  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-750-U-T2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

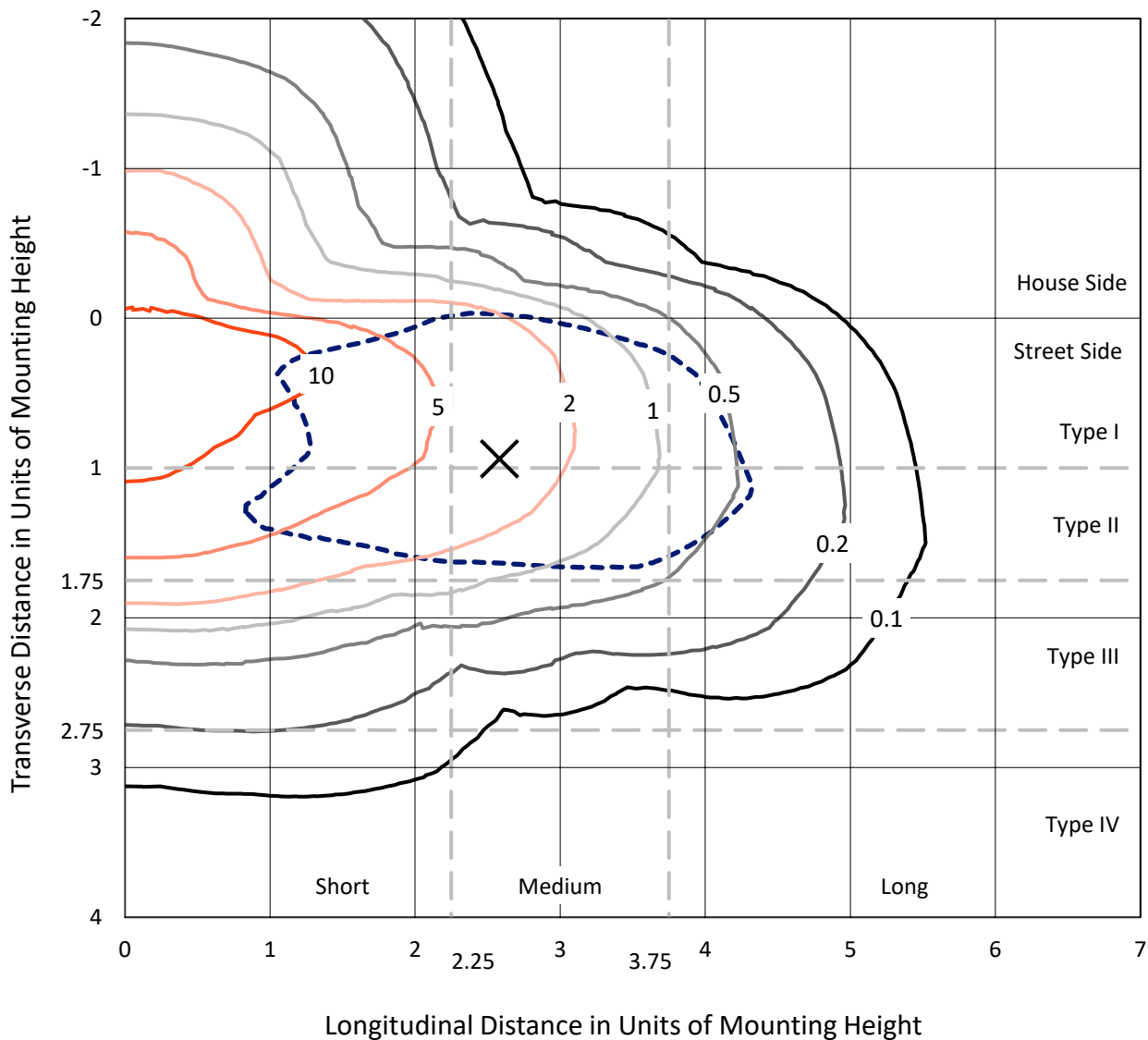
Lumens per Lamp: N/A  
Luminaire Lumens: 9393.1 lumens  
Efficiency: N/A  
Efficacy: 148.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): 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

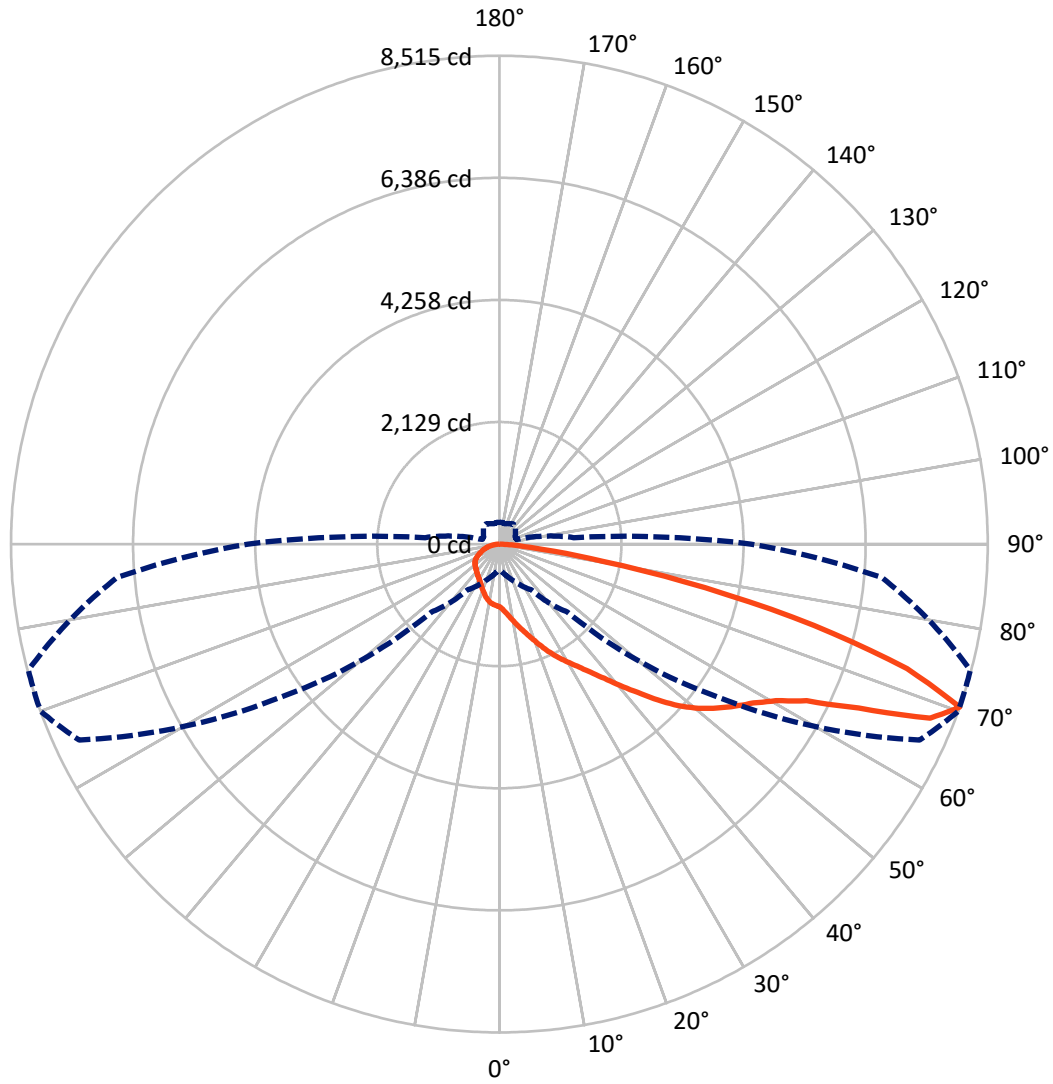
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.8 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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

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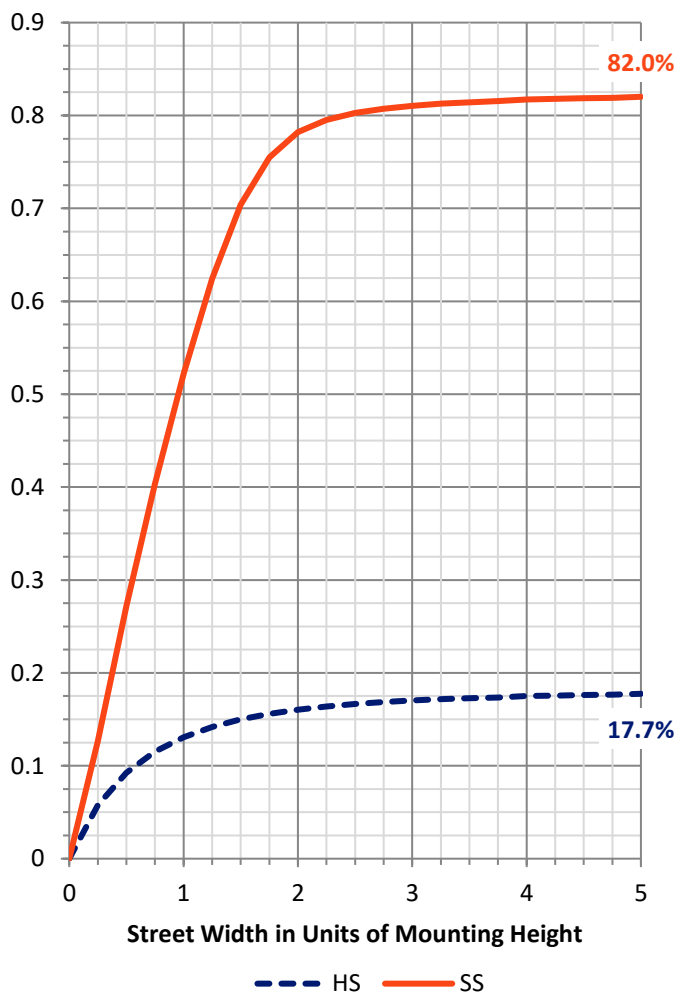
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1683.3	0.0	1683.3
	% Fixture	17.9	0.0	17.9
<b>Street Side</b>	Lumens	7709.8	0.0	7709.8
	% Fixture	82.1	0.0	82.1
<b>Total</b>	Lumens	9393.1	0.0	9393.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.3	1.2
10°-20°	362.2	3.9
20°-30°	641.6	6.8
30°-40°	965.6	10.3
40°-50°	1460.9	15.6
50°-60°	2092.8	22.3
60°-70°	2313.4	24.6
70°-80°	1305.5	13.9
80°-90°	139.6	1.5
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°	9393.1	100.0
0°-180°	9393.1	100.0

**Coefficient of Utilization**



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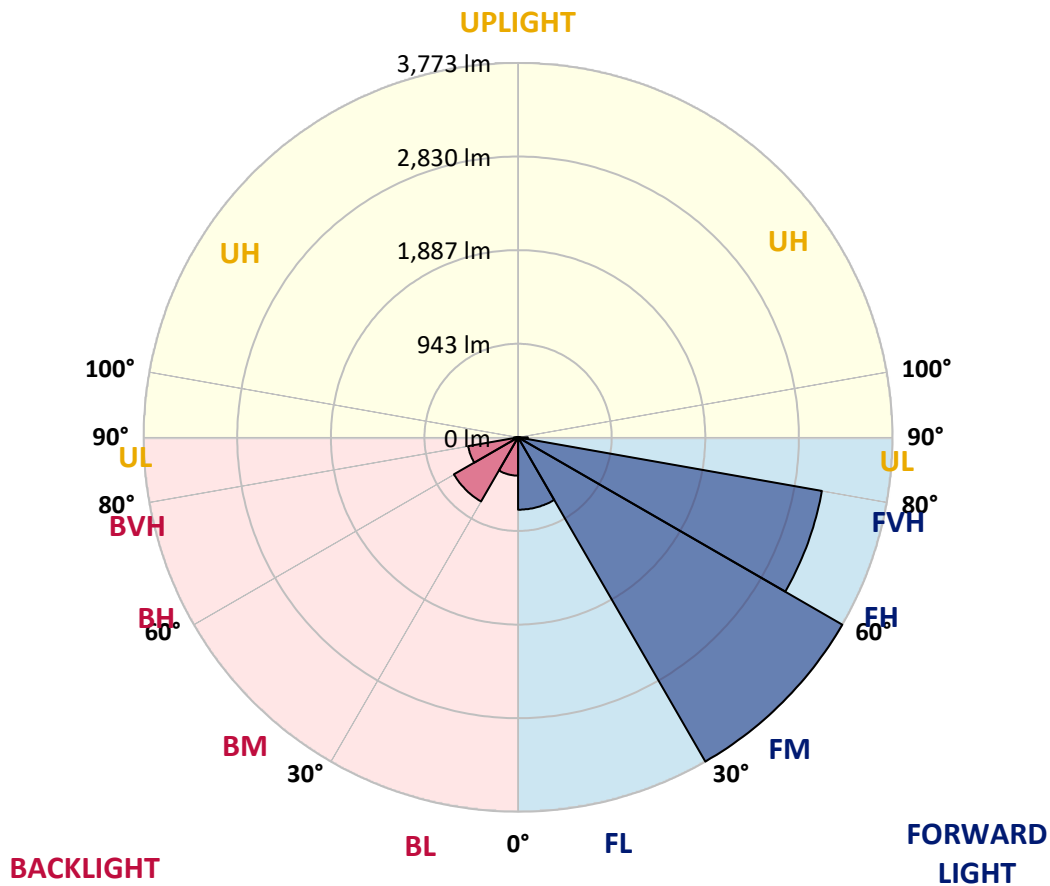
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	729.2	7.8			
FM (30°-60°)	3773.2	40.2			
FH (60°-80°)	3108.7	33.1			G2/5000
FVH (80°-90°)	98.7	1.1			G1/100
BL (0°-30°)	385.9	4.1	B1/500		
BM (30°-60°)	746.2	7.9	B1/1000		
BH (60°-80°)	510.2	5.4	B2/1000		G2/1000
BVH (80°-90°)	40.9	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1095.4	1095.4	1095.4	1095.4	1095.4	1095.4	1095.4	1095.4	1095.4	1095.4	1095.4
2.5°	1213.5	1211.5	1212.8	1211.5	1204.0	1185.7	1170.8	1151.8	1138.9	1131.4	1113.8
5°	1356.1	1354.0	1349.3	1342.5	1328.9	1303.8	1266.5	1225.1	1200.0	1180.9	1143.6
7.5°	1458.5	1458.5	1457.9	1449.7	1440.2	1413.7	1369.6	1315.3	1278.7	1246.1	1185.0
10°	1510.8	1514.2	1518.9	1530.5	1528.4	1514.2	1472.8	1414.4	1368.3	1330.3	1239.3
12.5°	1539.3	1541.3	1549.5	1573.2	1597.7	1601.1	1576.6	1515.5	1465.3	1414.4	1299.7
15°	1576.0	1576.6	1587.5	1616.0	1652.0	1687.9	1681.8	1620.7	1569.2	1512.8	1366.9
17.5°	1604.5	1609.2	1628.9	1662.1	1706.9	1756.5	1786.4	1748.3	1684.5	1620.1	1440.2
20°	1614.6	1618.0	1643.8	1694.7	1755.8	1825.7	1892.2	1882.0	1817.6	1741.6	1523.0
22.5°	1651.3	1651.3	1670.3	1713.1	1785.0	1886.8	1994.7	2021.2	1964.2	1875.3	1611.9
25°	1732.1	1729.3	1738.2	1755.8	1810.1	1935.7	2095.8	2175.2	2111.5	2011.7	1700.8
27.5°	1842.7	1841.3	1840.6	1843.4	1861.7	1978.4	2181.4	2319.1	2255.3	2142.7	1780.2
30°	1962.8	1958.7	1967.6	1959.4	1955.3	2029.3	2254.0	2448.1	2398.5	2272.3	1846.1
32.5°	2126.4	2118.9	2116.9	2090.4	2074.1	2108.7	2312.3	2594.7	2555.3	2412.1	1920.1
35°	2342.2	2335.4	2300.8	2258.7	2210.5	2226.8	2385.0	2737.9	2740.6	2587.2	2017.1
37.5°	2560.1	2561.4	2534.3	2435.2	2385.6	2376.1	2495.6	2912.3	2970.7	2796.3	2142.7
40°	2741.3	2749.4	2749.4	2644.9	2570.9	2562.1	2651.0	3119.3	3235.4	3052.8	2301.5
42.5°	2879.1	2886.5	2910.3	2835.0	2756.9	2787.4	2839.7	3327.0	3535.4	3369.8	2502.4
45°	3030.4	3036.5	3049.4	3006.0	2960.5	3042.0	3053.5	3575.4	3878.8	3725.4	2735.9
47.5°	3231.3	3225.9	3227.2	3195.3	3160.1	3291.7	3289.0	3784.5	4210.7	4115.0	2989.0
50°	3481.1	3491.3	3481.8	3418.6	3377.2	3497.4	3513.0	4015.9	4502.5	4500.5	3244.2
52.5°	3721.3	3725.4	3775.6	3778.4	3693.5	3668.4	3709.1	4249.4	4748.9	4853.4	3489.2
55°	3733.6	3749.2	3899.8	4008.4	4145.5	3944.0	3907.3	4472.0	4987.1	5198.9	3743.7
57.5°	3473.6	3498.7	3754.6	3988.7	4370.2	4417.0	4246.7	4759.8	5225.4	5538.9	4038.3
60°	2918.4	2970.7	3318.2	3676.5	4269.1	4757.0	4941.0	5150.7	5538.2	5886.4	4396.0
62.5°	1863.7	1884.1	2371.4	2971.4	3813.6	4723.8	5697.1	5839.6	6014.7	6339.1	4947.1
65°	933.2	998.4	1284.1	1773.5	2750.1	4162.5	6079.2	7101.3	6886.8	7114.2	5840.3
67.5°	633.2	654.3	798.8	1065.6	1612.6	2949.0	5842.3	8164.1	8101.0	8138.4	6792.5
70°	466.9	480.5	594.5	754.7	975.3	1674.4	4651.2	8084.1	8515.0	8501.5	6692.7
72.5°	340.7	347.5	433.7	576.2	722.8	866.0	2840.4	6530.5	7433.2	7824.8	5853.2
75°	247.7	255.9	301.3	431.0	562.0	540.2	1402.2	4717.0	5668.5	6421.9	4768.6
77.5°	184.6	194.8	215.8	270.1	393.6	386.9	606.1	3063.0	3666.4	4194.4	2896.7
80°	133.0	135.1	147.3	173.1	249.8	226.7	288.4	1597.0	1831.1	2006.3	1135.5
82.5°	80.8	82.8	98.4	106.6	154.7	142.5	150.0	517.2	741.1	786.6	424.2
85°	23.8	25.1	44.8	48.9	64.5	61.1	60.4	210.4	251.1	321.0	167.0
87.5°	0.0	0.0	0.0	0.0	0.7	4.1	7.5	37.3	56.3	78.1	40.7
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°	1095.4	1095.4	1095.4	1095.4	1095.4	1095.4	1095.4	1095.4	1095.4	1095.4	1095.4
2.5°	1107.0	1091.4	1083.2	1069.0	1058.8	1048.6	1038.4	1028.9	1024.8	1018.7	1020.1
5°	1126.7	1102.2	1077.8	1050.0	1026.2	1006.5	988.9	973.3	966.5	960.4	963.1
7.5°	1156.5	1119.9	1073.0	1022.1	984.8	957.7	939.3	928.5	925.1	920.3	920.3
10°	1194.5	1139.5	1057.4	984.8	940.0	918.3	910.1	909.5	912.9	913.5	912.2
12.5°	1236.6	1158.5	1034.3	940.7	902.7	895.9	902.0	913.5	925.1	931.2	929.8
15°	1280.0	1170.8	995.0	898.6	875.5	884.4	904.0	927.1	949.5	961.0	960.4
17.5°	1320.8	1173.5	944.1	857.9	851.8	874.2	908.1	944.1	974.6	990.9	991.6
20°	1366.2	1168.7	891.8	821.2	828.0	864.7	909.5	952.9	988.9	1005.2	1009.2
22.5°	1407.6	1152.4	840.9	786.6	807.7	853.1	898.6	939.3	971.2	986.8	992.3
25°	1445.0	1121.2	785.3	757.4	792.0	836.8	871.5	900.0	922.4	931.9	939.3
27.5°	1465.3	1074.4	743.2	734.4	777.1	813.8	832.8	841.6	849.1	846.3	851.8
30°	1469.4	1016.0	706.5	716.0	754.7	781.9	785.9	777.1	764.2	743.2	747.9
32.5°	1465.3	948.8	676.0	696.4	729.6	745.9	740.5	717.4	686.2	653.6	655.6
35°	1466.7	881.0	650.9	674.6	700.4	709.2	695.7	663.8	630.5	600.7	599.3
37.5°	1481.6	823.9	629.8	653.6	671.9	673.3	658.3	625.1	608.1	585.7	583.0
40°	1523.0	781.9	610.8	632.6	644.1	643.4	626.4	602.7	614.2	606.8	604.7
42.5°	1590.9	756.1	595.2	610.2	618.3	619.7	606.1	591.2	616.3	606.8	603.4
45°	1700.2	754.7	584.4	587.8	600.7	610.2	600.7	583.7	593.2	547.0	538.2
47.5°	1829.8	777.8	576.2	568.1	590.5	607.4	592.5	565.4	545.7	503.6	497.5
50°	1985.9	824.6	568.8	547.0	575.5	597.3	582.3	545.0	515.1	492.7	489.3
52.5°	2171.2	886.4	559.3	523.3	553.1	591.8	582.3	543.0	503.6	483.2	479.8
55°	2365.3	957.7	548.4	494.8	528.0	593.2	587.1	528.7	494.8	483.9	481.2
57.5°	2606.2	1043.2	528.7	461.5	505.6	581.0	568.1	520.6	488.7	479.8	477.1
60°	2919.1	1170.1	491.4	427.6	479.8	559.3	551.1	507.0	472.4	464.9	462.9
62.5°	3414.6	1385.2	445.9	395.0	449.3	513.8	526.0	481.2	452.0	451.3	450.7
65°	4222.2	1643.8	392.3	365.8	417.4	476.5	492.7	454.7	431.0	438.4	437.8
67.5°	4788.3	1666.2	348.2	335.3	380.1	435.7	459.5	427.6	401.8	416.0	415.4
70°	4385.8	1299.7	310.2	303.4	340.0	391.6	423.5	393.6	367.9	381.4	378.7
72.5°	3698.9	996.3	274.2	270.1	299.3	345.5	377.4	359.7	332.6	332.6	326.5
75°	2972.7	821.9	236.2	234.2	253.8	298.6	334.6	304.7	279.6	278.3	274.2
77.5°	1704.9	538.9	198.2	196.8	202.9	249.8	259.9	253.8	234.8	226.0	223.3
80°	679.4	280.3	156.1	147.3	153.4	183.3	205.0	194.8	178.5	167.6	161.5
82.5°	263.3	140.5	110.0	96.4	105.2	132.3	148.6	145.2	134.4	110.0	103.2
85°	107.2	68.5	65.8	55.7	61.1	71.3	85.5	74.0	61.1	43.4	41.4
87.5°	28.5	25.1	24.4	14.9	11.5	3.4	0.7	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)