

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: P632337

Luminaire Tested: GWS-SA2C-740-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632337  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-740-U-T3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

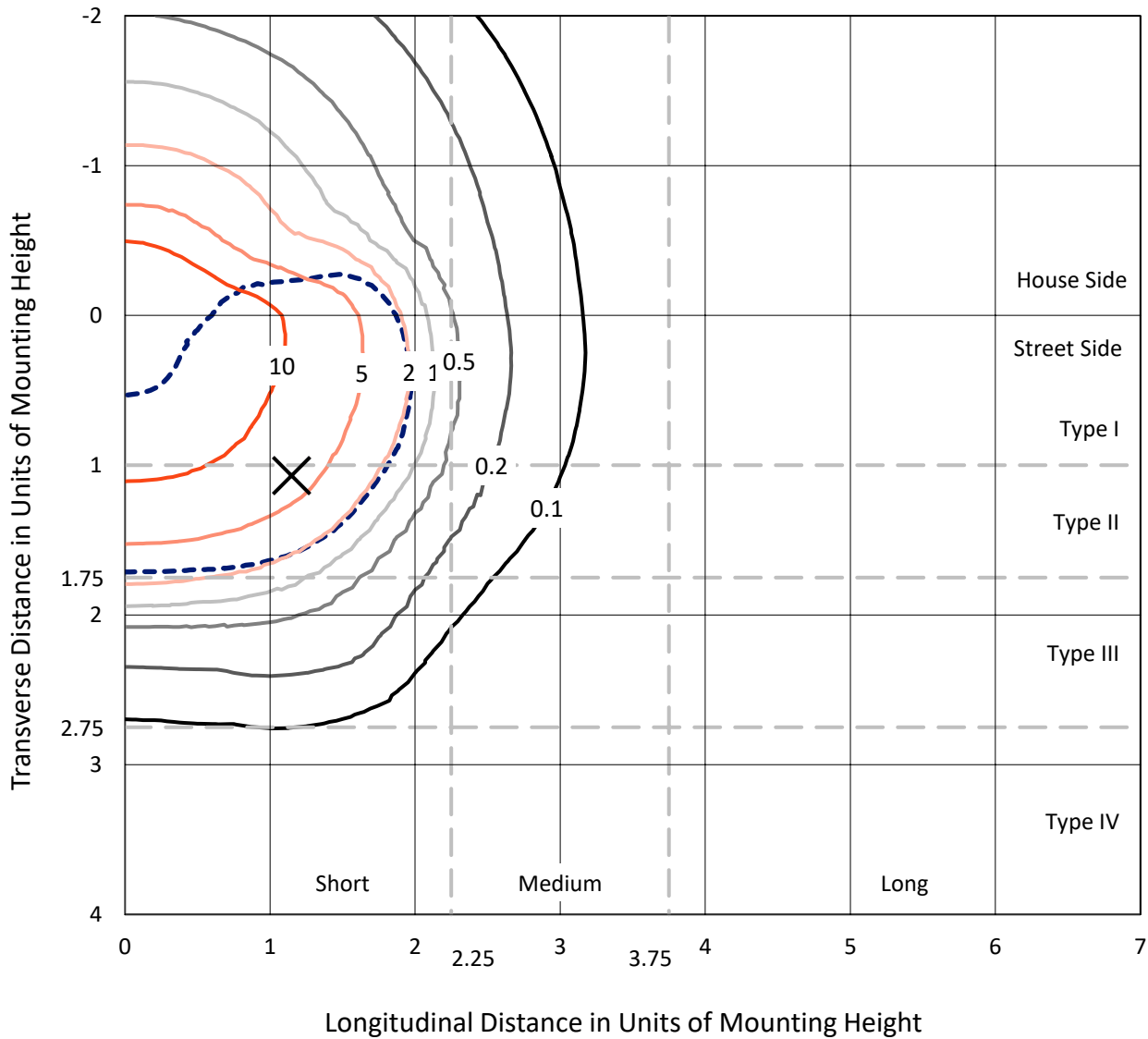
Lumens per Lamp: N/A  
Luminaire Lumens: 7899.4 lumens  
Efficiency: N/A  
Efficacy: 125.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

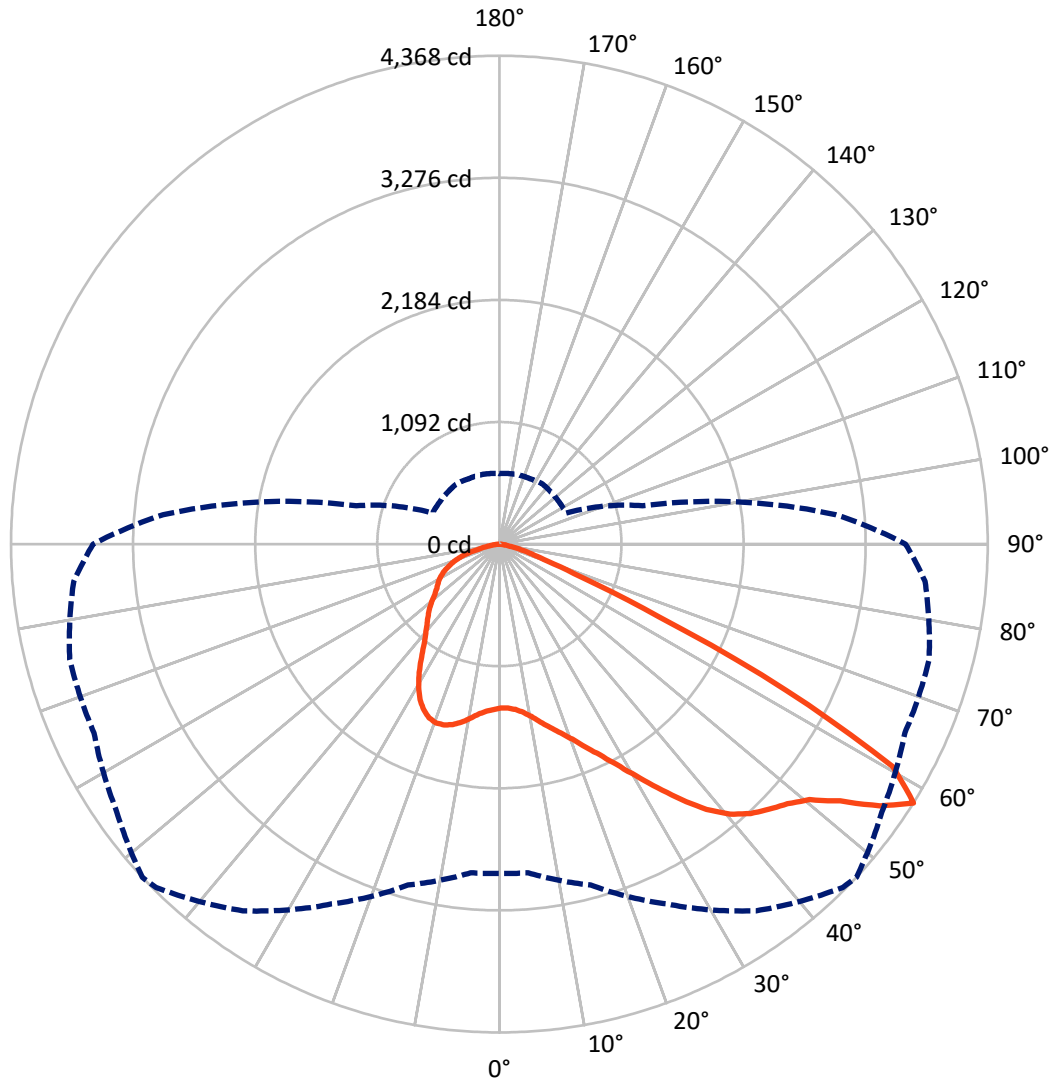
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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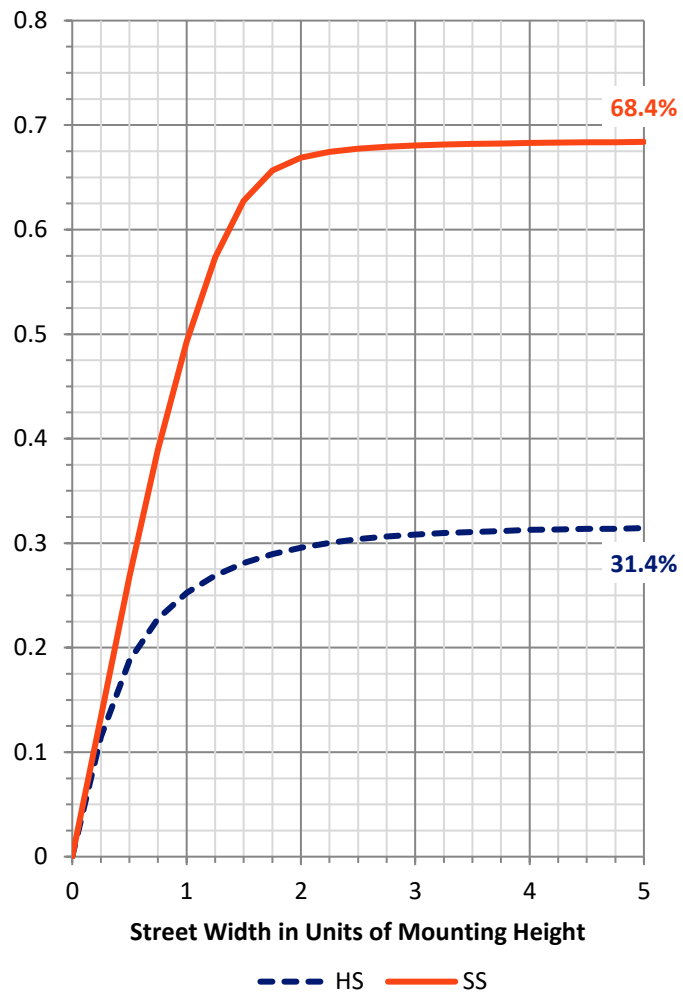
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2500.1	0.0	2500.1
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	5399.3	0.0	5399.3
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	7899.4	0.0	7899.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	144.5	1.8
10°-20°	475.2	6.0
20°-30°	855.7	10.8
30°-40°	1292.5	16.4
40°-50°	1740.5	22.0
50°-60°	2091.4	26.5
60°-70°	1018.5	12.9
70°-80°	250.9	3.2
80°-90°	30.2	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°	7899.4	100.0
0°-180°	7899.4	100.0

**Coefficient of Utilization**



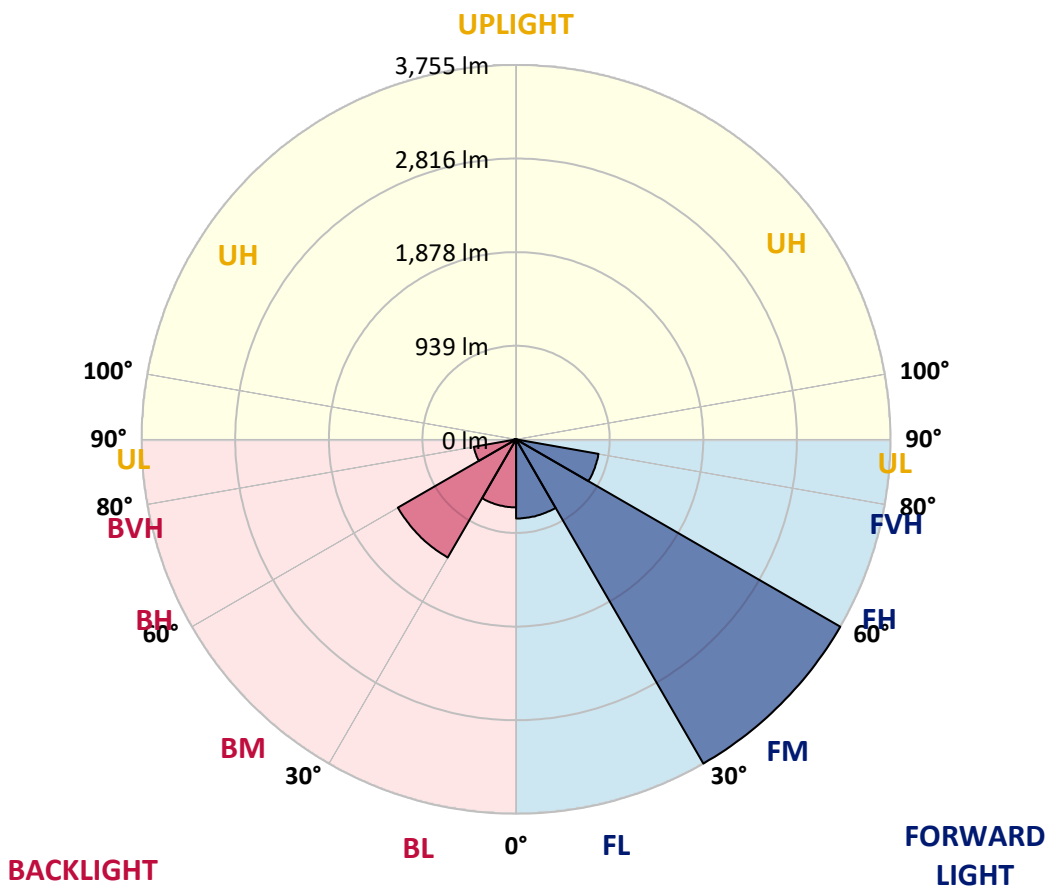
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	793.5	10.0			
FM (30°-60°)	3755.0	47.5			
FH (60°-80°)	839.5	10.6			G1/1800
FVH (80°-90°)	11.3	0.1			G1/100
BL (0°-30°)	682.0	8.6	B2/1000		
BM (30°-60°)	1369.3	17.3	B2/2500		
BH (60°-80°)	430.0	5.4	B1/500		G1/500
BVH (80°-90°)	18.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1465.0	1465.0	1465.0	1465.0	1465.0	1465.0	1465.0	1465.0	1465.0	1465.0	1465.0
2.5°	1462.3	1461.6	1461.6	1465.6	1465.6	1466.9	1468.9	1470.9	1471.6	1468.3	1461.0
5°	1478.2	1478.2	1478.2	1481.5	1481.5	1482.9	1485.5	1486.2	1485.5	1480.2	1472.9
7.5°	1503.4	1503.4	1504.1	1508.1	1511.4	1513.4	1518.0	1517.4	1515.4	1506.8	1497.5
10°	1544.6	1546.6	1548.6	1553.2	1559.8	1564.5	1567.8	1567.8	1565.1	1551.9	1539.9
12.5°	1603.0	1605.6	1607.6	1611.6	1616.9	1624.9	1632.2	1632.2	1628.8	1612.2	1594.3
15°	1671.3	1674.0	1673.3	1674.6	1684.6	1695.8	1701.8	1705.8	1707.1	1683.9	1656.0
17.5°	1749.6	1752.2	1749.6	1745.6	1746.9	1764.8	1775.5	1790.1	1798.7	1767.5	1723.0
20°	1820.6	1817.9	1817.9	1820.6	1824.6	1846.5	1862.4	1886.3	1896.9	1859.1	1790.1
22.5°	1895.6	1901.5	1898.9	1898.9	1914.8	1951.3	1970.5	2001.7	2013.0	1963.9	1871.0
25°	1992.4	1997.7	1996.4	1997.7	2016.3	2068.1	2087.3	2145.0	2156.3	2086.0	1960.6
27.5°	2098.6	2107.2	2111.2	2109.9	2139.7	2207.4	2231.3	2311.6	2332.1	2222.6	2056.1
30°	2236.6	2245.9	2249.2	2247.9	2283.0	2375.2	2402.4	2494.0	2523.2	2384.5	2177.5
32.5°	2396.5	2405.8	2415.7	2419.7	2464.8	2559.0	2598.2	2693.0	2734.8	2571.6	2324.2
35°	2555.0	2563.0	2582.2	2613.4	2675.1	2771.3	2805.8	2899.4	2939.9	2766.0	2501.3
37.5°	2730.2	2735.5	2752.1	2795.2	2884.1	2975.7	3010.2	3099.8	3104.4	2953.8	2701.7
40°	2921.9	2921.9	2918.6	2961.1	3054.0	3146.2	3176.1	3227.8	3200.6	3098.4	2896.7
42.5°	3084.5	3081.8	3084.5	3124.3	3193.3	3268.3	3294.2	3284.2	3249.7	3209.2	3073.2
45°	3231.1	3233.1	3257.0	3287.5	3323.4	3367.8	3383.1	3326.7	3295.5	3298.1	3214.5
47.5°	3330.6	3332.6	3388.4	3439.5	3461.4	3475.3	3468.7	3390.4	3374.4	3404.3	3323.4
50°	3343.9	3354.5	3450.7	3555.6	3610.0	3612.0	3593.4	3497.8	3493.2	3527.0	3381.7
52.5°	3346.6	3357.2	3477.3	3666.4	3807.7	3837.5	3816.3	3716.8	3668.4	3634.5	3453.4
55°	3336.6	3348.6	3481.3	3740.7	4011.4	4130.8	4132.8	3992.1	3837.5	3815.0	3657.7
57.5°	2945.8	2950.5	3156.2	3551.6	4003.4	4341.8	4367.7	4176.6	4000.1	3978.9	3821.6
60°	2052.1	2070.7	2294.3	2816.5	3363.2	3959.6	4043.2	3987.5	3869.4	3714.8	3278.9
62.5°	1027.7	1043.6	1267.9	1761.5	2319.5	2790.6	2880.1	2939.2	2967.1	2801.2	2232.6
65°	442.5	454.5	593.8	920.2	1313.0	1540.6	1571.8	1642.8	1816.6	1620.9	1202.9
67.5°	295.9	303.9	374.9	561.3	773.6	788.2	783.6	798.8	836.6	690.7	543.4
70°	226.9	233.5	281.3	411.4	556.0	475.7	450.5	408.7	443.9	452.5	440.5
72.5°	164.5	169.8	205.7	280.7	348.3	303.9	299.9	321.1	368.9	382.2	374.9
75°	106.2	108.8	130.7	153.9	179.8	195.1	203.0	241.5	289.9	299.9	291.3
77.5°	71.0	73.0	85.6	98.9	102.2	102.8	105.5	122.7	155.9	174.5	172.5
80°	37.2	37.2	41.8	41.8	47.8	57.1	59.7	71.0	86.3	95.5	96.2
82.5°	14.6	15.3	17.9	19.9	23.9	29.2	31.2	37.2	45.1	51.8	57.7
85°	6.0	6.6	7.3	8.6	10.6	13.3	13.9	15.9	21.2	26.5	29.9
87.5°	0.0	0.0	0.7	0.7	1.3	2.0	2.0	2.7	3.3	6.0	8.0
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°	1465.0	1465.0	1465.0	1465.0	1465.0	1465.0	1465.0	1465.0	1465.0	1465.0	1465.0
2.5°	1469.6	1461.0	1469.6	1472.3	1479.6	1482.2	1477.6	1476.9	1476.9	1470.3	1468.3
5°	1479.6	1471.6	1480.2	1484.2	1494.8	1501.4	1502.8	1508.1	1511.4	1508.7	1508.1
7.5°	1504.1	1494.1	1503.4	1509.4	1523.3	1534.0	1538.6	1550.5	1559.2	1557.8	1557.2
10°	1547.2	1534.0	1544.6	1554.5	1569.8	1582.4	1583.1	1589.7	1598.3	1595.7	1594.3
12.5°	1597.0	1584.4	1596.3	1606.3	1624.2	1629.5	1620.9	1618.2	1619.5	1616.2	1613.6
15°	1658.0	1640.1	1650.7	1662.0	1672.0	1666.0	1647.4	1640.1	1639.4	1634.8	1632.2
17.5°	1719.1	1696.5	1704.5	1710.4	1705.8	1687.2	1664.0	1651.4	1645.4	1636.1	1633.5
20°	1779.4	1750.9	1749.6	1744.9	1723.7	1689.9	1658.7	1633.5	1618.2	1605.6	1601.0
22.5°	1848.4	1808.6	1788.7	1767.5	1721.1	1666.0	1618.9	1583.1	1558.5	1542.6	1537.3
25°	1922.8	1866.4	1825.2	1782.8	1694.5	1614.9	1549.2	1500.1	1470.9	1453.7	1447.7
27.5°	1996.4	1918.8	1857.1	1784.8	1641.4	1541.3	1453.0	1386.7	1357.5	1343.5	1338.9
30°	2095.9	1988.4	1894.9	1758.9	1571.8	1439.1	1328.9	1261.9	1242.7	1232.7	1228.8
32.5°	2210.7	2076.7	1945.3	1704.5	1482.9	1319.7	1203.5	1157.1	1143.8	1124.6	1123.9
35°	2362.0	2202.7	1993.1	1624.2	1370.7	1191.6	1107.3	1074.2	1050.3	1019.8	1017.1
37.5°	2538.5	2360.0	2019.0	1522.0	1240.0	1086.1	1035.7	998.5	960.0	919.6	914.3
40°	2720.9	2543.8	2020.9	1401.3	1112.0	1016.4	974.0	925.5	877.8	832.7	826.7
42.5°	2912.7	2714.9	1985.8	1261.9	1007.2	956.1	912.9	851.9	798.2	767.6	764.3
45°	3083.8	2852.9	1906.2	1115.3	929.5	905.6	850.6	784.9	756.4	734.5	729.8
47.5°	3218.5	2944.5	1798.7	983.9	866.5	853.9	782.2	748.4	726.5	706.6	702.0
50°	3284.9	2965.1	1658.7	877.1	808.1	792.9	743.8	717.9	703.3	687.4	683.4
52.5°	3367.1	2988.3	1537.9	787.5	751.1	730.5	711.9	691.3	680.7	670.8	667.5
55°	3556.2	3075.9	1474.2	715.9	696.6	687.4	684.7	667.5	664.1	657.5	651.5
57.5°	3633.2	3019.5	1323.6	657.5	653.5	654.9	661.5	645.6	642.2	634.3	630.3
60°	2921.9	2282.4	896.4	607.1	617.7	626.3	633.0	617.0	612.4	611.1	605.8
62.5°	1872.3	1403.9	625.7	560.0	575.9	586.5	590.5	575.2	571.9	582.5	583.2
65°	974.6	765.0	507.6	509.5	522.8	538.7	546.7	541.4	540.1	551.3	552.0
67.5°	497.6	467.8	442.5	449.8	460.5	481.0	499.6	522.8	530.8	532.1	532.8
70°	424.0	410.7	398.1	402.7	414.0	425.3	443.2	454.5	441.2	437.9	436.6
72.5°	360.9	351.0	345.0	350.3	356.3	354.3	349.0	354.3	356.3	357.0	357.6
75°	280.7	273.4	268.7	269.4	269.4	262.1	252.1	246.1	239.5	234.2	234.2
77.5°	171.8	173.2	177.8	177.1	176.5	173.8	163.9	158.6	142.6	138.0	138.0
80°	98.2	100.2	104.8	106.2	106.2	102.8	92.9	86.9	79.6	76.3	75.6
82.5°	59.7	62.4	65.0	66.3	67.0	63.0	54.4	49.8	45.8	42.5	42.5
85°	31.2	32.5	35.2	35.8	33.8	29.9	25.2	23.2	19.2	18.6	18.6
87.5°	8.6	9.3	10.6	8.6	8.0	6.0	3.3	2.7	1.3	0.7	0.7
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)