

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: P634541

Luminaire Tested: GWS-SA3B-830-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634541
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-830-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7244.3 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

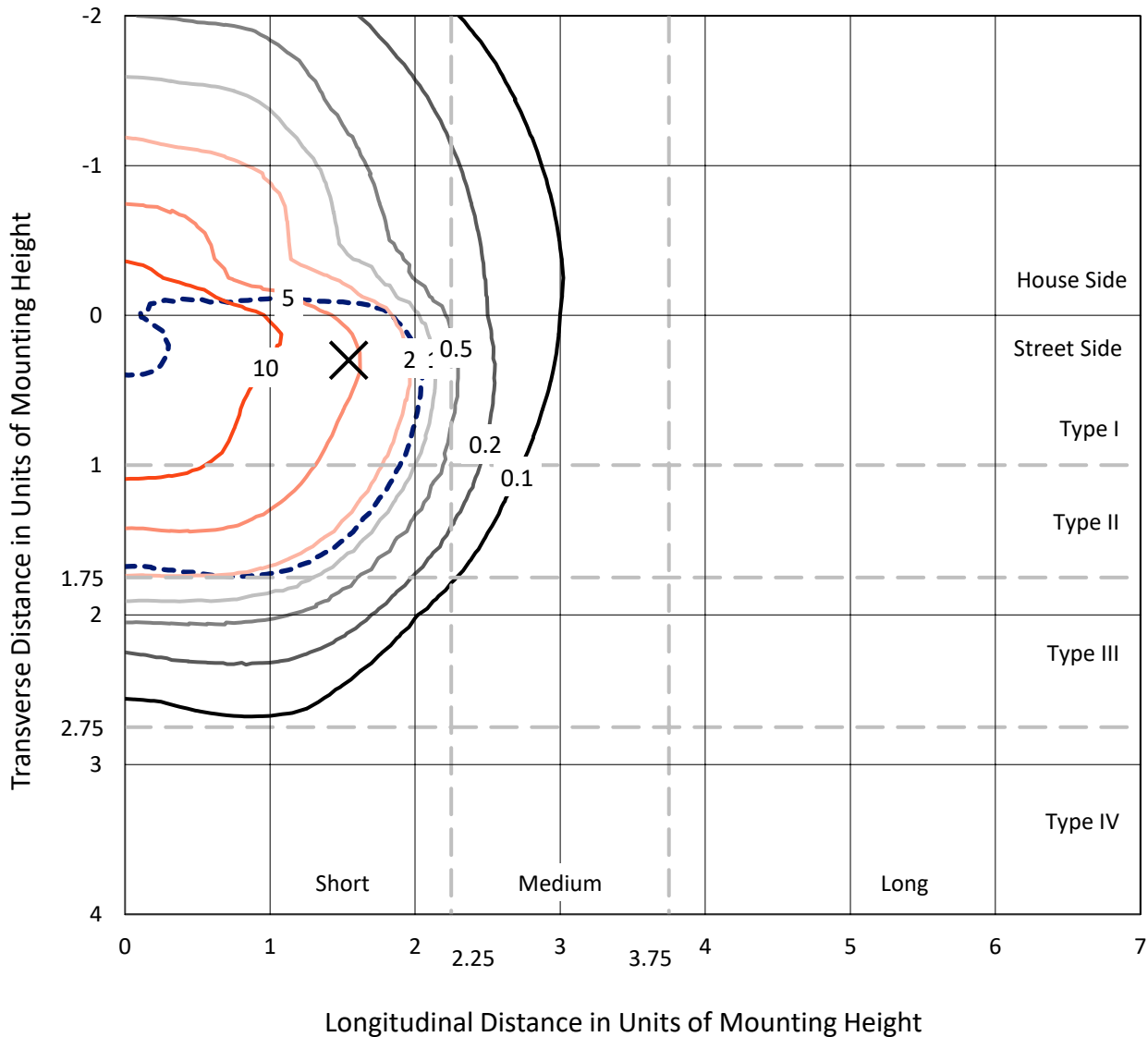
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

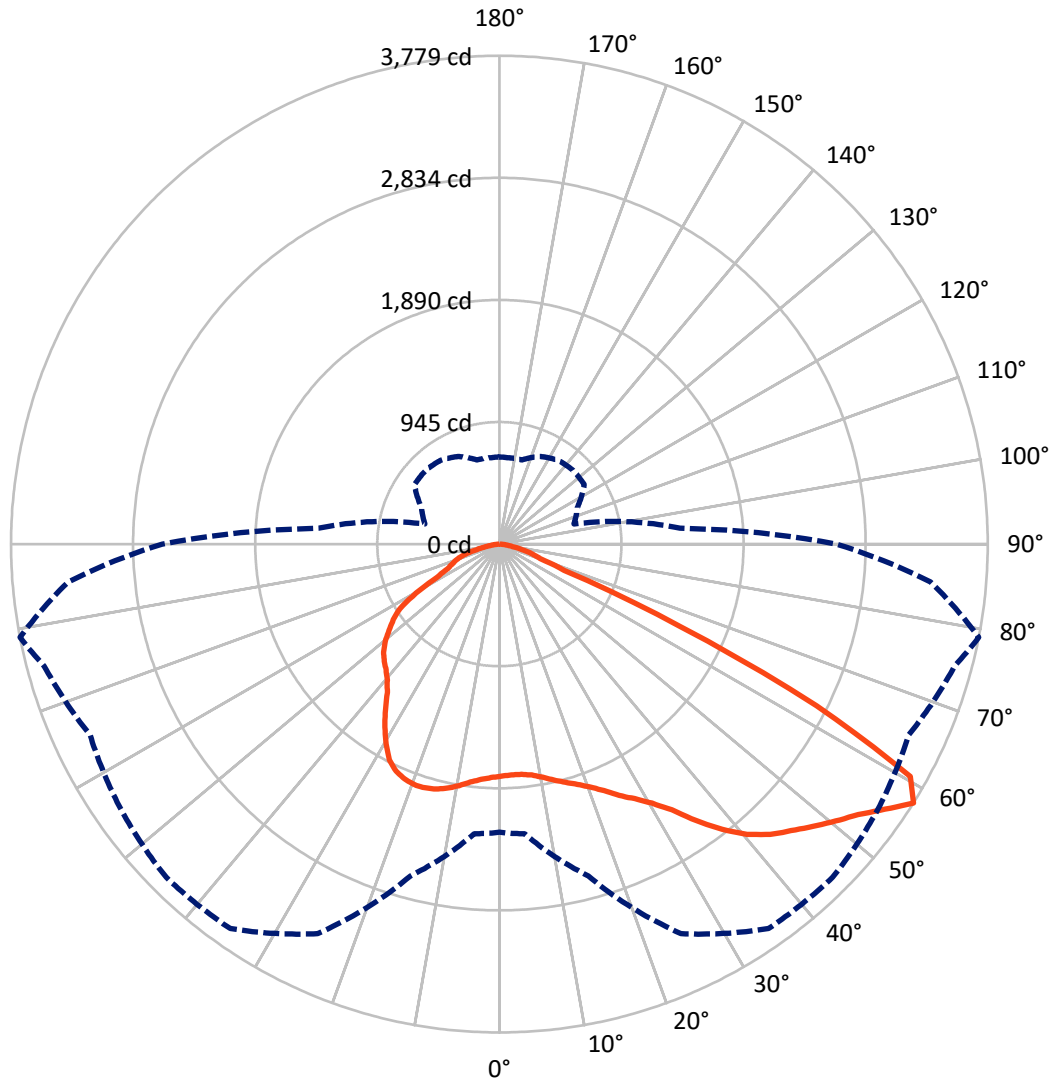
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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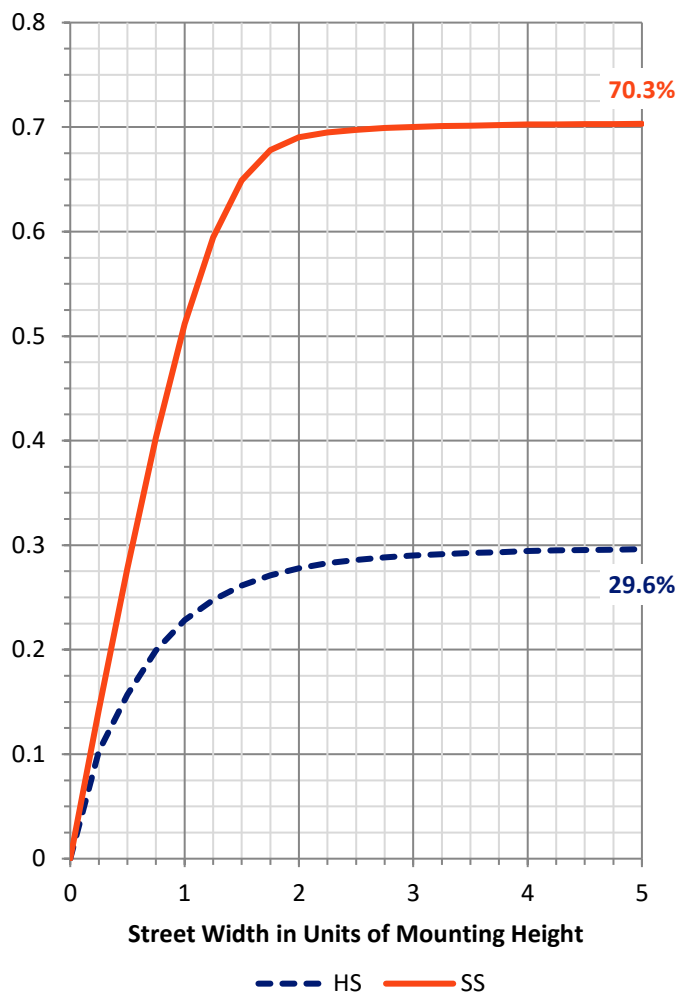
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2153.4	0.0	2153.4
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	5090.9	0.0	5090.9
	% Fixture	70.3	0.0	70.3
Total	Lumens	7244.3	0.0	7244.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.3	2.3
10°-20°	462.0	6.4
20°-30°	783.2	10.8
30°-40°	1198.8	16.5
40°-50°	1598.4	22.1
50°-60°	1846.1	25.5
60°-70°	959.3	13.2
70°-80°	203.9	2.8
80°-90°	26.4	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°	7244.3	100.0
0°-180°	7244.3	100.0

Coefficient of Utilization



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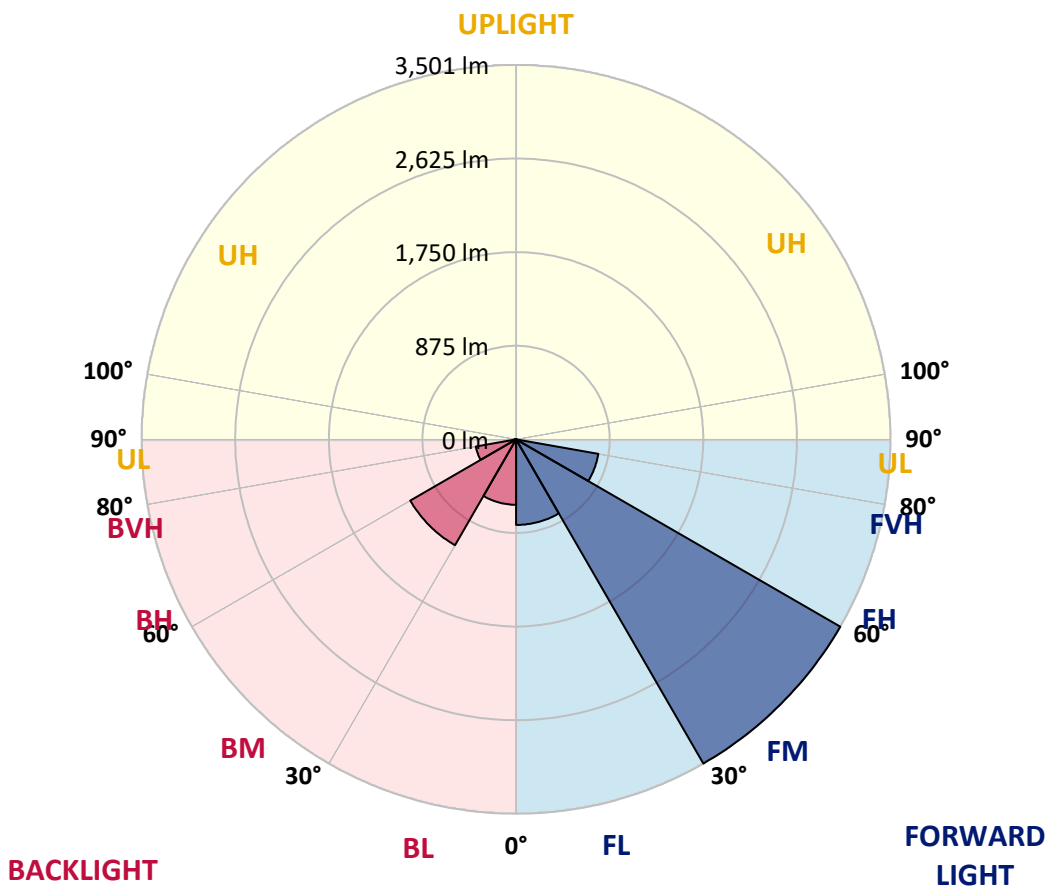
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	799.9	11.0			
FM (30°-60°)	3500.7	48.3			
FH (60°-80°)	781.1	10.8			G1/1800
FVH (80°-90°)	9.2	0.1			G0/10
BL (0°-30°)	611.5	8.4	B2/1000		
BM (30°-60°)	1142.6	15.8	B2/2500		
BH (60°-80°)	382.1	5.3	B1/500		G1/500
BVH (80°-90°)	17.2	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°	55°	65°	75°	79°	85°
0°	1795.3	1795.3	1795.3	1795.3	1795.3	1795.3	1795.3	1795.3	1795.3	1795.3	1795.3
2.5°	1713.6	1710.0	1711.2	1715.9	1733.7	1746.7	1760.4	1772.8	1784.6	1788.2	1791.2
5°	1652.6	1646.0	1647.8	1655.5	1676.2	1698.2	1722.5	1752.1	1780.5	1790.0	1802.4
7.5°	1609.3	1608.1	1611.1	1622.9	1644.9	1665.6	1697.0	1739.0	1788.2	1804.2	1826.1
10°	1551.9	1549.5	1561.3	1585.6	1621.8	1654.9	1692.2	1742.0	1810.7	1834.4	1868.2
12.5°	1506.3	1505.1	1517.5	1551.3	1597.5	1650.2	1701.7	1757.4	1840.9	1873.5	1915.0
15°	1532.9	1527.6	1528.2	1551.9	1593.3	1655.5	1725.4	1785.2	1871.1	1912.6	1965.9
17.5°	1610.5	1601.0	1593.9	1598.1	1621.8	1686.3	1761.5	1822.6	1906.1	1954.6	2019.8
20°	1717.7	1712.4	1692.8	1679.8	1685.1	1742.0	1818.4	1875.3	1951.7	2006.2	2076.1
22.5°	1861.6	1848.6	1822.0	1801.2	1785.2	1829.7	1900.1	1949.3	2015.1	2071.9	2144.8
25°	2039.9	2021.0	1978.9	1946.3	1912.0	1957.6	2020.4	2057.7	2102.1	2154.8	2224.1
27.5°	2221.8	2205.8	2159.0	2115.2	2072.5	2100.9	2175.6	2196.9	2192.2	2230.7	2289.9
30°	2415.5	2395.3	2350.9	2303.5	2248.4	2266.8	2333.7	2344.4	2294.0	2326.0	2366.3
32.5°	2619.8	2600.3	2561.8	2506.7	2444.5	2451.6	2470.0	2480.0	2432.0	2450.4	2481.2
35°	2827.7	2809.3	2770.3	2715.8	2670.2	2626.9	2580.7	2621.0	2593.2	2628.7	2626.3
37.5°	3017.8	2999.5	2975.2	2933.1	2855.0	2769.7	2663.0	2712.8	2756.0	2801.1	2793.4
40°	3146.4	3133.9	3139.9	3133.3	3032.6	2863.8	2703.3	2757.8	2875.7	2952.7	2948.5
42.5°	3257.1	3244.7	3279.1	3303.9	3185.5	2950.9	2722.9	2775.0	2952.1	3072.3	3066.4
45°	3306.3	3302.7	3359.6	3438.4	3325.3	3043.3	2773.2	2810.5	3010.1	3164.1	3141.6
47.5°	3247.7	3260.1	3372.0	3505.3	3441.3	3152.9	2876.3	2885.8	3086.0	3263.7	3200.3
50°	3131.0	3158.2	3309.3	3507.1	3526.0	3276.7	3019.0	2995.3	3187.8	3369.7	3231.1
52.5°	2961.0	2989.4	3235.8	3493.5	3574.6	3420.0	3209.2	3175.4	3316.4	3475.7	3236.4
55°	2570.6	2609.1	3067.6	3462.7	3622.0	3550.3	3423.6	3354.9	3482.2	3621.4	3289.1
57.5°	2230.1	2250.2	2657.7	3325.8	3631.5	3646.3	3576.4	3494.7	3646.9	3779.0	3348.4
60°	1636.6	1641.3	2007.9	2751.9	3340.7	3590.6	3564.0	3442.5	3568.7	3652.8	3077.1
62.5°	924.6	925.2	1217.8	1836.8	2495.4	2926.6	2943.2	2836.0	2730.0	2754.9	2141.8
65°	347.1	379.7	556.2	902.7	1438.7	1727.8	1796.5	1821.4	1644.9	1535.3	1148.5
67.5°	232.2	239.9	324.6	464.4	640.3	739.2	826.9	829.2	606.5	540.8	452.5
70°	177.1	184.8	255.3	332.3	324.6	299.7	324.0	315.1	325.8	334.7	344.1
72.5°	132.1	139.8	197.8	234.6	194.9	191.9	217.4	241.7	264.2	273.6	288.5
75°	87.7	93.6	133.3	125.6	107.8	127.3	158.7	183.0	196.1	207.3	218.6
77.5°	55.7	59.8	71.1	57.5	59.8	74.6	92.4	114.3	126.8	138.0	143.9
80°	25.5	24.9	24.3	27.2	33.8	43.8	55.7	68.7	78.2	82.9	86.5
82.5°	10.1	11.3	12.4	14.8	18.4	23.7	31.4	40.3	48.0	49.2	52.1
85°	4.1	4.7	5.3	6.5	8.3	10.7	13.0	18.4	23.1	24.9	26.7
87.5°	0.0	0.0	0.0	0.0	0.6	1.2	1.8	3.0	5.3	5.9	6.5
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°	1795.3	1795.3	1795.3	1795.3	1795.3	1795.3	1795.3	1795.3	1795.3	1795.3	1795.3
2.5°	1807.2	1799.5	1812.5	1821.4	1829.7	1820.8	1817.8	1810.1	1808.9	1808.9	1813.1
5°	1823.7	1818.4	1832.0	1837.4	1836.8	1817.2	1805.4	1790.0	1782.3	1782.3	1783.5
7.5°	1853.4	1850.4	1858.1	1849.8	1830.8	1791.2	1752.1	1719.5	1697.6	1686.3	1689.9
10°	1902.5	1899.0	1892.4	1861.6	1807.2	1724.8	1644.9	1585.6	1550.1	1529.9	1531.1
12.5°	1950.5	1944.6	1921.5	1853.4	1741.4	1610.5	1505.7	1439.3	1400.2	1376.5	1371.2
15°	2003.2	1987.8	1938.1	1810.7	1634.2	1470.7	1361.1	1289.5	1247.4	1233.2	1232.6
17.5°	2053.6	2026.3	1936.3	1734.9	1505.7	1324.4	1214.2	1169.8	1162.7	1169.2	1171.0
20°	2104.5	2060.7	1916.7	1630.0	1352.8	1178.7	1121.8	1140.2	1166.9	1184.6	1188.8
22.5°	2157.2	2089.1	1872.3	1495.0	1191.7	1080.4	1104.1	1144.4	1177.5	1201.2	1203.6
25°	2216.4	2115.7	1806.0	1329.7	1062.6	1053.1	1099.9	1142.6	1178.1	1205.4	1210.1
27.5°	2250.2	2116.3	1713.0	1159.8	1003.4	1042.5	1089.9	1130.1	1165.7	1195.3	1200.6
30°	2283.4	2100.3	1565.5	1021.7	986.2	1030.0	1072.7	1110.0	1143.8	1172.8	1179.3
32.5°	2330.2	2085.5	1395.5	942.4	976.1	1018.2	1053.1	1086.3	1112.4	1125.4	1129.0
35°	2388.2	2066.6	1214.8	908.0	969.6	1008.7	1039.5	1057.3	1023.5	1016.4	1024.1
37.5°	2469.4	2048.8	1034.8	893.2	965.5	1005.2	1032.4	986.8	945.3	928.7	934.7
40°	2557.0	2038.7	912.8	881.4	967.2	1008.7	1002.8	935.3	875.4	840.5	839.3
42.5°	2631.7	2023.3	834.6	873.7	972.0	1022.3	962.5	889.7	800.8	780.1	780.7
45°	2682.0	1984.3	793.1	865.4	976.1	1025.3	943.6	826.9	763.5	750.5	749.9
47.5°	2702.7	1913.2	766.5	852.3	975.5	1001.0	905.1	800.8	737.4	733.9	736.2
50°	2689.1	1796.5	739.2	826.9	961.3	975.5	860.6	777.7	719.7	739.2	753.4
52.5°	2638.8	1645.4	706.6	791.9	935.9	946.5	838.1	763.5	706.6	732.7	743.9
55°	2625.7	1522.8	665.2	746.3	897.9	895.0	814.4	756.4	697.7	687.7	689.5
57.5°	2608.6	1403.2	596.5	664.6	802.0	806.7	791.9	748.1	674.6	671.7	674.6
60°	2266.2	1075.6	531.9	573.4	658.7	684.1	766.5	732.7	637.3	624.9	624.3
62.5°	1480.2	651.5	473.3	499.9	536.6	566.3	698.9	688.3	596.5	588.8	594.1
65°	796.1	464.4	430.6	446.6	466.7	489.3	579.3	613.0	539.0	511.8	512.4
67.5°	406.9	395.1	398.6	409.9	425.3	436.5	467.3	497.0	459.6	436.5	435.9
70°	348.3	357.8	363.1	369.6	379.7	377.9	380.9	386.2	383.2	372.0	371.4
72.5°	296.7	311.6	312.7	313.9	317.5	309.2	303.9	295.0	295.6	297.3	297.9
75°	225.7	239.9	243.4	241.7	245.2	234.6	227.4	218.6	207.9	206.1	207.3
77.5°	146.9	158.1	163.5	162.3	164.1	155.8	152.2	142.7	130.3	125.6	125.6
80°	88.8	95.4	99.5	100.7	102.5	96.5	90.6	82.3	77.0	71.7	71.7
82.5°	53.9	58.0	61.0	61.0	62.8	56.3	51.5	45.6	43.2	38.5	38.5
85°	27.2	30.2	31.4	30.8	29.6	24.3	22.5	19.5	18.4	16.0	16.0
87.5°	6.5	8.3	8.3	5.9	5.9	3.0	1.8	0.6	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)