

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: P635193

Luminaire Tested: GWS-SA3D-730-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635193
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-730-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14103.8 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

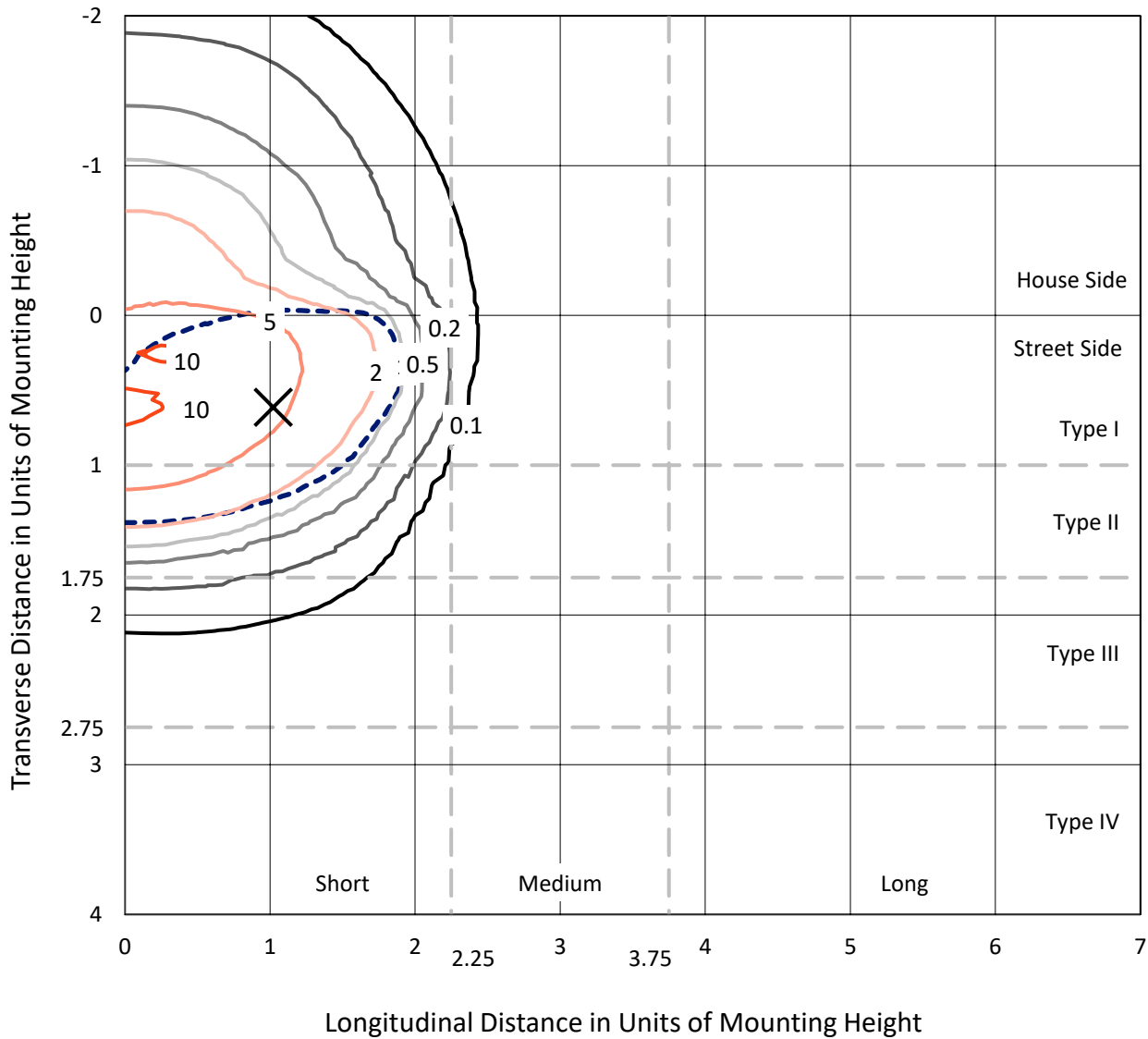
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

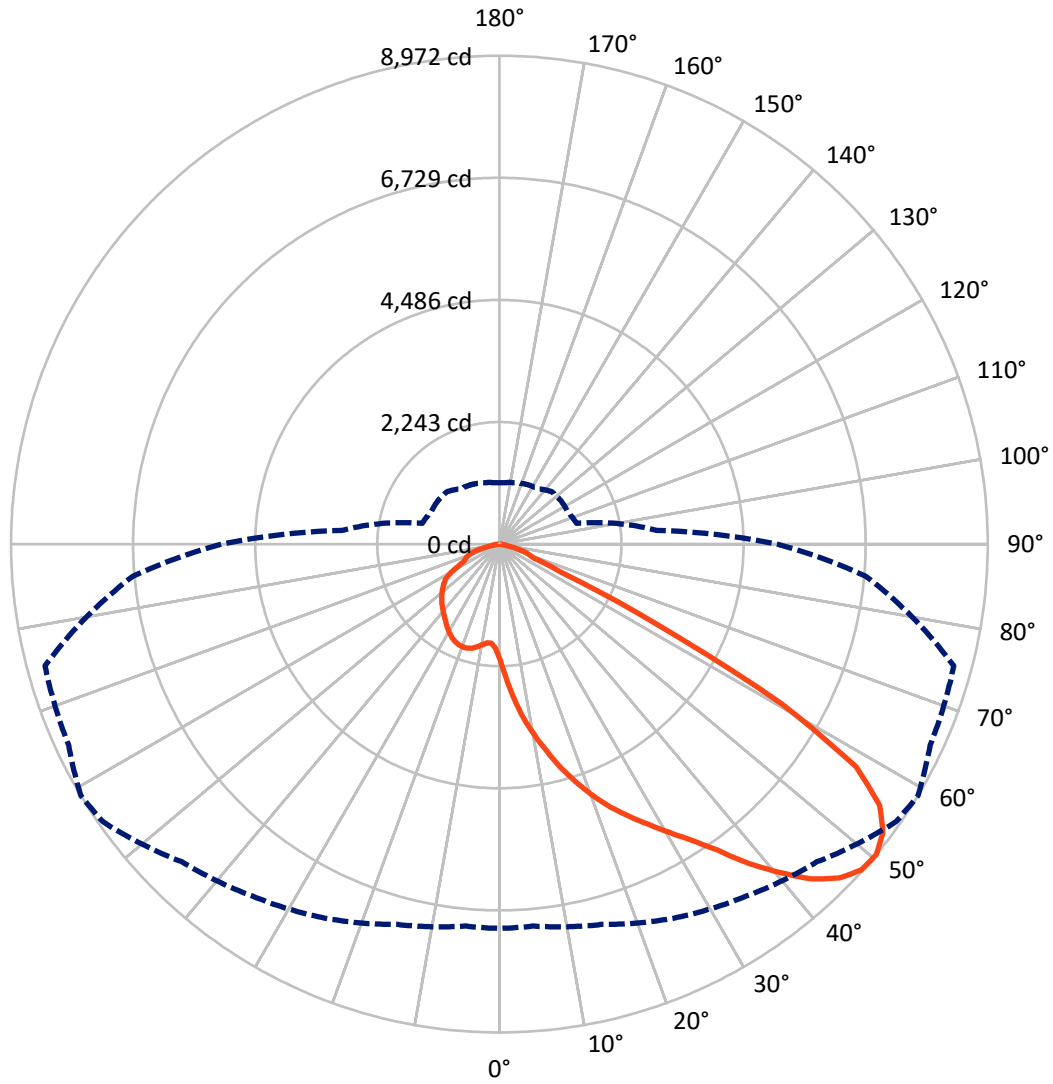
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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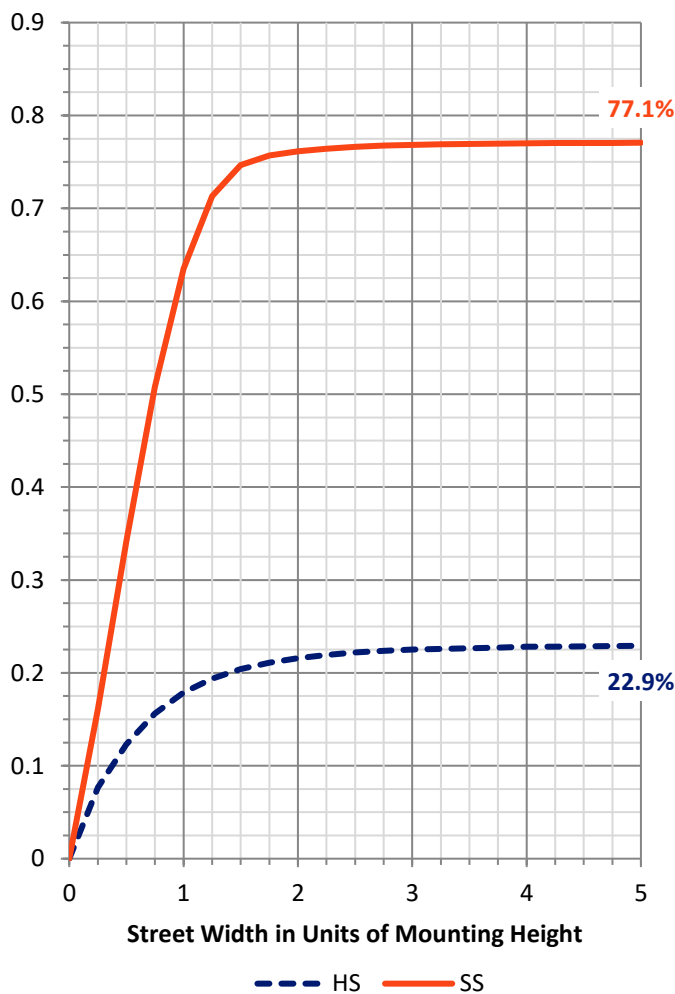
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3244.1	0.0	3244.1
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	10859.7	0.0	10859.7
	% Fixture	77.0	0.0	77.0
Total	Lumens	14103.8	0.0	14103.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.7	1.7
10°-20°	870.2	6.2
20°-30°	1647.8	11.7
30°-40°	2732.6	19.4
40°-50°	3732.9	26.5
50°-60°	3388.5	24.0
60°-70°	1128.4	8.0
70°-80°	329.1	2.3
80°-90°	34.6	0.2
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°	14103.8	100.0
0°-180°	14103.8	100.0

Coefficient of Utilization



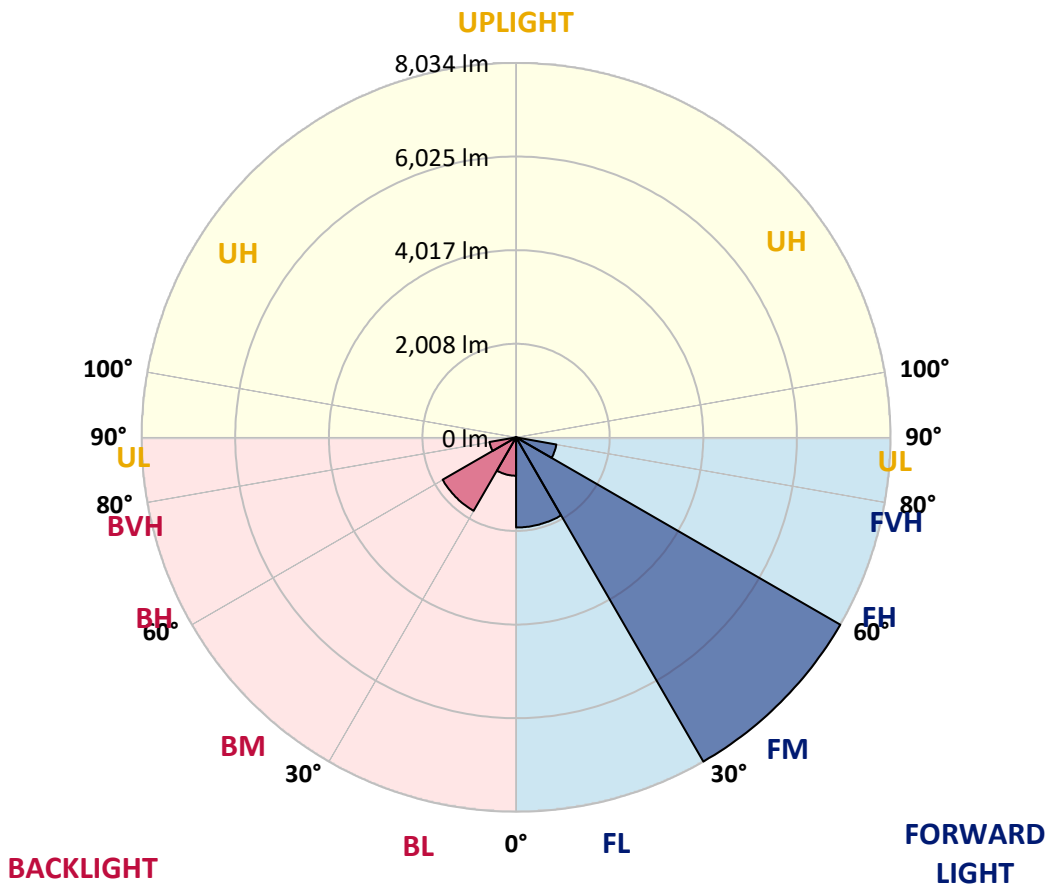
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1934.0	13.7			
FM (30°-60°)	8033.7	57.0			
FH (60°-80°)	878.5	6.2			G1/1800
FVH (80°-90°)	13.5	0.1			G1/100
BL (0°-30°)	823.8	5.8	B2/1000		
BM (30°-60°)	1820.3	12.9	B2/2500		
BH (60°-80°)	579.1	4.1	B2/1000		G2/1000
BVH (80°-90°)	21.1	0.1			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2136.8	2136.8	2136.8	2136.8	2136.8	2136.8	2136.8	2136.8	2136.8	2136.8	2136.8
2.5°	2768.7	2789.4	2757.2	2759.5	2679.1	2642.3	2538.9	2478.0	2437.8	2325.2	2223.0
5°	3327.0	3302.9	3277.6	3262.7	3192.6	3093.8	2965.1	2862.9	2768.7	2548.1	2335.6
7.5°	3669.4	3656.7	3639.5	3630.3	3561.4	3458.0	3329.3	3242.0	3105.3	2806.6	2472.3
10°	3960.0	3945.1	3934.7	3941.6	3885.3	3818.7	3678.6	3578.6	3424.7	3080.0	2637.7
12.5°	4185.2	4193.2	4196.7	4233.4	4209.3	4169.1	4024.4	3918.7	3747.5	3368.4	2831.9
15°	4363.3	4361.0	4401.2	4471.2	4510.3	4485.0	4369.0	4280.5	4071.5	3652.1	3041.0
17.5°	4404.6	4406.9	4470.1	4593.0	4720.5	4782.6	4717.1	4611.4	4404.6	3932.4	3258.1
20°	4437.9	4442.5	4508.0	4648.2	4834.3	5007.8	5018.1	4942.3	4764.2	4235.7	3478.7
22.5°	4648.2	4658.5	4675.7	4764.2	4931.9	5151.4	5272.0	5255.9	5106.6	4554.0	3716.5
25°	5200.8	5169.7	5085.9	5060.6	5124.9	5303.0	5508.6	5539.7	5466.1	4904.4	3972.7
27.5°	5883.2	5849.8	5725.8	5594.8	5455.8	5517.8	5737.3	5830.3	5831.5	5290.4	4230.0
30°	6502.4	6476.0	6374.9	6187.6	5947.5	5857.9	6019.9	6145.1	6219.8	5736.1	4522.9
32.5°	7032.0	7007.9	6871.2	6718.4	6484.0	6303.6	6362.2	6482.9	6657.5	6312.8	4887.1
35°	7477.7	7453.6	7322.6	7168.7	6951.6	6843.6	6822.9	6905.6	7131.9	6914.8	5305.3
37.5°	7839.6	7815.5	7678.8	7534.0	7368.6	7375.5	7406.5	7446.7	7576.5	7559.3	5752.2
40°	8074.0	8048.7	7951.1	7847.7	7743.1	7825.8	7979.8	7931.5	8000.5	8079.7	6163.5
42.5°	8178.5	8146.4	8090.1	8067.1	8034.9	8163.6	8460.0	8411.7	8329.0	8426.7	6469.1
45°	8074.0	8046.4	8045.3	8115.3	8190.0	8355.4	8792.0	8752.9	8543.9	8594.4	6651.7
47.5°	7753.5	7729.3	7794.8	7978.6	8162.4	8403.7	8940.2	8947.1	8696.6	8664.5	6770.1
50°	7060.7	7044.6	7234.2	7582.3	7899.4	8253.2	8893.1	8972.4	8733.4	8642.7	6755.1
52.5°	5652.2	5726.9	6139.4	6720.7	7336.4	7989.0	8718.5	8821.9	8556.5	8499.1	6674.7
55°	3869.3	3903.7	4316.2	5165.1	6141.6	7416.9	8317.5	8477.2	8347.4	8474.9	6758.6
57.5°	2003.6	2031.1	2356.3	3109.9	4165.7	5861.3	7204.3	7728.2	7925.8	8596.7	7019.4
60°	822.6	845.5	980.0	1344.1	2101.2	3413.2	5184.7	5961.3	6425.4	7851.1	6233.6
62.5°	597.4	608.9	673.2	801.9	1100.6	1672.7	2934.1	3220.2	3546.4	4920.4	3957.7
65°	503.2	515.8	567.5	645.6	803.0	1025.9	1253.4	1260.3	1388.9	2004.7	1467.1
67.5°	421.6	433.1	479.1	545.7	649.1	728.4	673.2	674.4	672.1	727.2	703.1
70°	328.6	337.8	383.7	454.9	508.9	467.6	526.2	582.5	558.3	580.2	613.5
72.5°	240.1	250.4	290.7	344.6	330.9	333.2	426.2	483.7	469.9	494.0	525.0
75°	173.5	180.4	201.0	172.3	181.5	219.4	299.8	330.9	344.6	365.3	392.9
77.5°	56.3	56.3	63.2	79.3	98.8	121.8	152.8	165.4	186.1	209.1	228.6
80°	28.7	29.9	35.6	43.7	55.1	70.1	89.6	95.4	105.7	118.3	126.4
82.5°	13.8	14.9	17.2	21.8	28.7	36.8	49.4	55.1	62.0	70.1	75.8
85°	3.4	3.4	4.6	6.9	9.2	13.8	18.4	21.8	27.6	33.3	36.8
87.5°	0.0	0.0	0.0	0.0	0.0	1.1	3.4	4.6	5.7	6.9	9.2
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°	2136.8	2136.8	2136.8	2136.8	2136.8	2136.8	2136.8	2136.8	2136.8	2136.8	2136.8
2.5°	2177.0	2112.7	2030.0	1959.9	1895.6	1846.2	1803.7	1783.0	1763.5	1749.7	1754.3
5°	2236.8	2126.5	1972.5	1865.7	1800.2	1766.9	1743.9	1732.4	1730.1	1720.9	1717.5
7.5°	2324.1	2166.7	1961.1	1853.1	1809.4	1792.2	1779.5	1772.6	1776.1	1766.9	1763.5
10°	2432.1	2233.3	1989.8	1894.4	1856.5	1843.9	1830.1	1820.9	1816.3	1802.5	1800.2
12.5°	2566.5	2316.0	2041.5	1947.3	1909.4	1887.5	1869.1	1853.1	1842.7	1825.5	1820.9
15°	2711.2	2407.9	2102.4	1999.0	1954.2	1922.0	1892.1	1868.0	1849.6	1826.6	1823.2
17.5°	2868.6	2504.5	2152.9	2034.6	1977.1	1934.6	1891.0	1855.4	1830.1	1800.2	1796.8
20°	3032.9	2602.1	2190.8	2051.8	1978.3	1920.8	1862.3	1815.2	1783.0	1753.1	1750.8
22.5°	3202.9	2691.7	2213.8	2047.2	1959.9	1888.7	1818.6	1765.8	1727.8	1692.2	1689.9
25°	3374.1	2777.9	2219.5	2028.8	1923.1	1840.4	1770.3	1708.3	1665.8	1625.6	1621.0
27.5°	3547.6	2850.2	2205.8	1992.1	1873.7	1784.1	1714.1	1653.2	1609.5	1569.3	1562.4
30°	3732.6	2912.3	2175.9	1943.8	1816.3	1724.4	1655.5	1609.5	1568.2	1527.9	1521.1
32.5°	3930.2	2966.3	2133.4	1885.2	1749.7	1664.7	1614.1	1572.7	1531.4	1495.8	1488.9
35°	4165.7	3001.9	2070.2	1809.4	1687.6	1621.0	1586.5	1538.3	1487.7	1448.7	1445.2
37.5°	4409.2	3029.5	1994.4	1737.0	1633.6	1595.7	1567.0	1501.5	1438.3	1391.2	1385.5
40°	4644.7	3052.4	1900.2	1669.3	1584.2	1577.3	1538.3	1456.7	1347.6	1294.7	1290.1
42.5°	4864.1	3059.3	1801.4	1596.9	1539.4	1536.0	1492.3	1366.0	1282.1	1248.8	1244.2
45°	5014.6	3053.6	1699.1	1529.1	1494.6	1476.2	1430.3	1300.5	1248.8	1218.9	1213.2
47.5°	5126.1	3023.7	1584.2	1457.9	1444.1	1418.8	1320.0	1259.1	1210.9	1181.0	1175.3
50°	5106.6	2899.6	1468.2	1388.9	1383.2	1361.4	1239.6	1207.4	1164.9	1132.7	1128.2
52.5°	5005.5	2664.1	1349.9	1313.1	1324.6	1282.1	1182.1	1145.4	1108.6	1071.9	1063.8
55°	5030.7	2494.1	1260.3	1239.6	1260.3	1163.8	1117.8	1078.8	1044.3	1008.7	1001.8
57.5°	5141.0	2326.4	1164.9	1160.3	1182.1	1073.0	1035.1	985.7	936.3	907.6	907.6
60°	4317.3	1695.7	997.2	1008.7	1058.1	999.5	966.2	915.6	861.6	836.3	836.3
62.5°	2552.7	1063.8	827.2	814.5	845.5	882.3	900.7	859.3	795.0	761.7	762.8
65°	1124.7	774.3	729.5	719.2	710.0	735.3	785.8	789.2	721.5	682.4	683.6
67.5°	692.7	700.8	682.4	674.4	666.3	661.7	657.1	659.4	641.0	605.4	604.3
70°	625.0	646.8	634.2	627.3	616.9	608.9	581.3	536.5	505.5	496.3	506.6
72.5°	537.7	567.5	560.6	557.2	544.5	525.0	488.3	444.6	407.8	384.9	389.5
75°	405.5	429.7	433.1	434.3	420.5	402.1	364.2	327.4	295.2	271.1	276.9
77.5°	233.2	247.0	250.4	253.9	243.6	236.7	211.4	185.0	167.7	142.5	149.3
80°	129.8	135.6	135.6	136.7	131.0	122.9	105.7	90.8	82.7	71.2	72.4
82.5°	78.1	80.4	81.6	82.7	79.3	71.2	58.6	48.3	43.7	37.9	36.8
85°	37.9	40.2	40.2	41.4	35.6	31.0	24.1	18.4	16.1	11.5	12.6
87.5°	9.2	10.3	10.3	9.2	8.0	5.7	3.4	1.1	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)