

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: P634749

Luminaire Tested: GWS-SA3C-735-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634749
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-735-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11470.6 lumens
Efficiency: N/A
Efficacy: 123.3 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

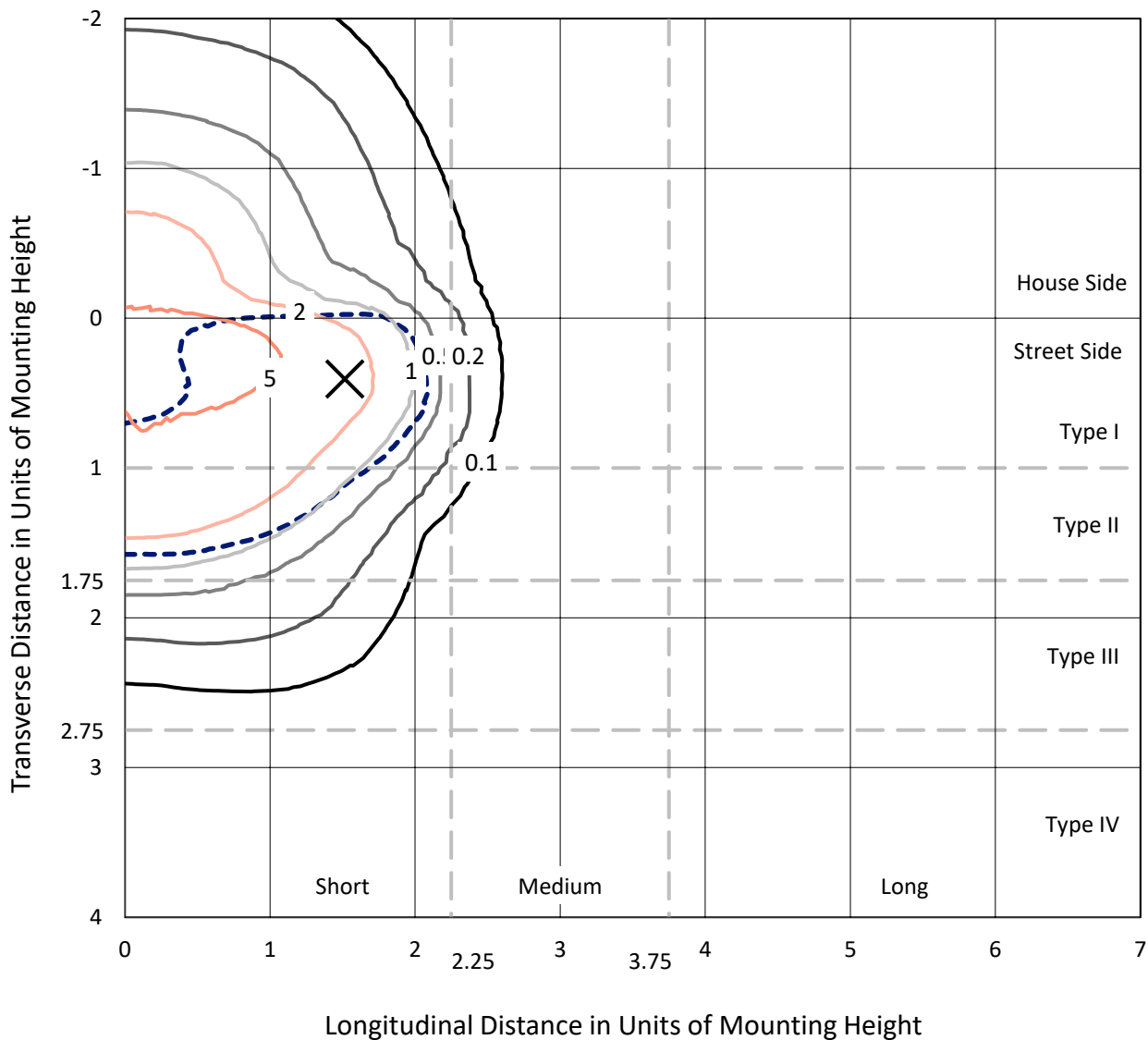
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

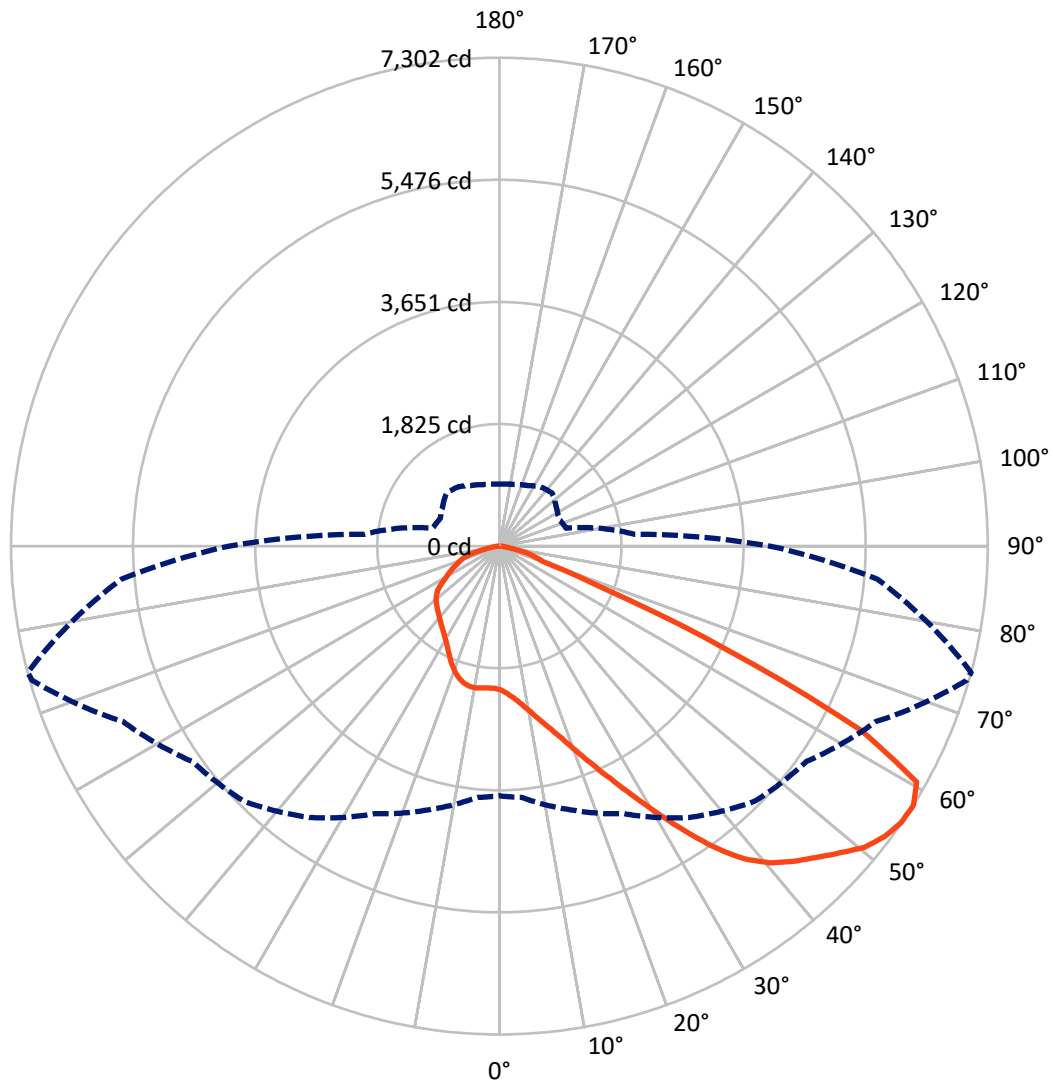
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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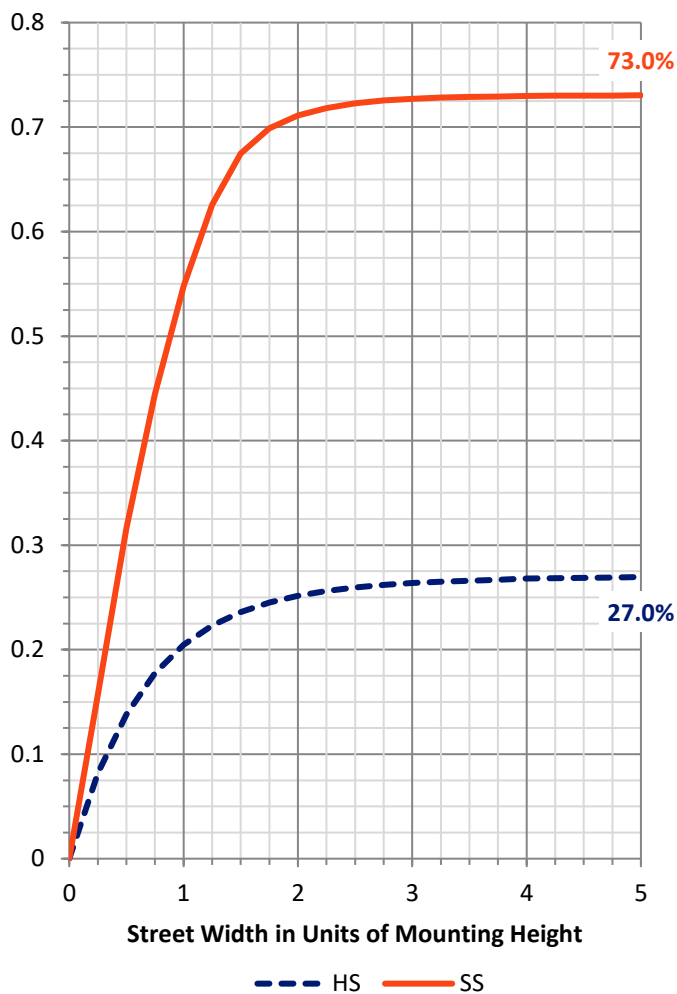
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3103.0	0.0	3103.0
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	8367.6	0.0	8367.6
	% Fixture	72.9	0.0	72.9
Total	Lumens	11470.6	0.0	11470.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.0	1.9
10°-20°	684.4	6.0
20°-30°	1213.8	10.6
30°-40°	1858.1	16.2
40°-50°	2587.2	22.6
50°-60°	2964.5	25.8
60°-70°	1523.2	13.3
70°-80°	383.5	3.3
80°-90°	41.0	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°	11470.6	100.0
0°-180°	11470.6	100.0

Coefficient of Utilization



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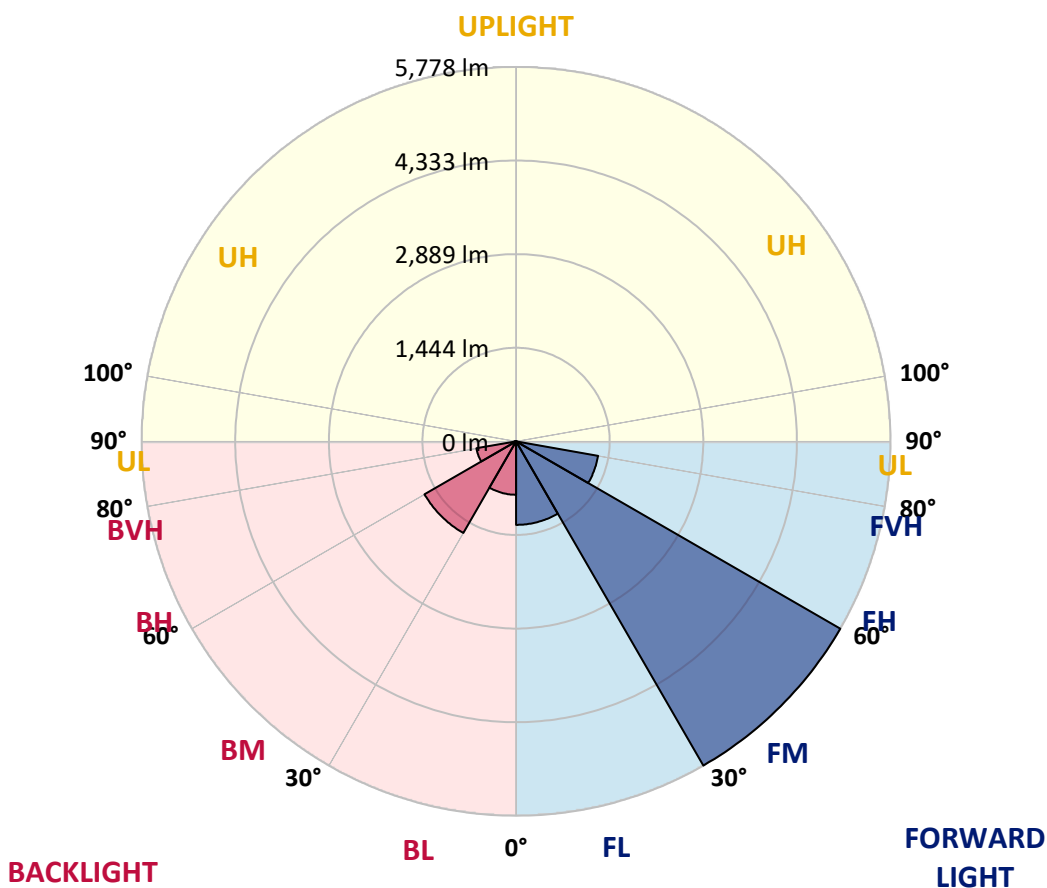
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1288.8	11.2			
FM (30°-60°)	5777.9	50.4			
FH (60°-80°)	1285.7	11.2			G1/1800
FVH (80°-90°)	15.2	0.1			G1/100
BL (0°-30°)	824.4	7.2	B2/1000		
BM (30°-60°)	1631.9	14.2	B2/2500		
BH (60°-80°)	620.9	5.4	B2/1000		G2/1000
BVH (80°-90°)	25.8	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2148.2	2148.2	2148.2	2148.2	2148.2	2148.2	2148.2	2148.2	2148.2	2148.2	2148.2
2.5°	2307.9	2313.9	2307.9	2317.8	2298.1	2289.2	2267.5	2235.0	2209.3	2205.4	2176.8
5°	2487.5	2500.3	2492.4	2488.4	2461.8	2442.1	2409.5	2344.4	2291.2	2283.3	2227.1
7.5°	2602.9	2611.7	2611.7	2614.7	2604.8	2582.1	2547.6	2470.7	2395.7	2383.9	2299.1
10°	2641.3	2648.2	2661.0	2685.7	2705.4	2712.3	2689.6	2615.7	2523.9	2512.1	2393.8
12.5°	2650.2	2658.1	2677.8	2723.2	2777.4	2826.7	2830.7	2776.4	2673.9	2661.0	2503.2
15°	2667.0	2674.9	2701.5	2757.7	2837.6	2932.3	2990.5	2953.0	2839.6	2825.8	2627.5
17.5°	2665.0	2673.9	2713.3	2788.3	2895.8	3032.9	3145.3	3161.1	3043.7	3020.1	2768.6
20°	2660.1	2667.9	2710.4	2802.1	2935.2	3123.6	3326.8	3408.7	3282.4	3260.7	2933.3
22.5°	2699.5	2708.4	2740.9	2816.9	2956.0	3193.6	3494.5	3691.7	3565.5	3534.9	3122.6
25°	2788.3	2801.1	2820.8	2873.1	2993.4	3255.8	3666.1	4012.3	3883.1	3846.6	3328.8
27.5°	2925.4	2941.2	2968.8	2993.4	3077.3	3334.7	3836.7	4371.3	4242.1	4203.6	3546.7
30°	3093.0	3113.8	3149.3	3166.0	3223.2	3451.1	4022.1	4741.2	4666.2	4612.9	3792.3
32.5°	3324.8	3353.4	3387.0	3391.9	3426.4	3627.6	4205.6	5108.1	5107.1	5069.6	4071.5
35°	3626.6	3657.2	3664.1	3671.0	3687.8	3870.3	4427.5	5442.4	5571.6	5528.2	4375.2
37.5°	3956.1	4000.4	4011.3	3980.7	4004.4	4162.2	4677.0	5710.7	5976.0	5929.7	4669.2
40°	4308.2	4325.9	4355.5	4307.2	4336.8	4496.6	4921.7	5882.3	6277.8	6228.5	4900.9
42.5°	4560.7	4593.2	4637.6	4619.8	4636.6	4782.6	5093.3	5965.2	6492.8	6443.5	5067.6
45°	4834.9	4844.7	4873.3	4869.4	4879.2	5015.4	5216.6	6001.7	6685.2	6640.8	5209.7
47.5°	5073.5	5088.3	5107.1	5085.4	5063.7	5152.4	5317.2	6033.2	6907.1	6853.8	5358.6
50°	5303.4	5316.2	5338.9	5275.7	5194.9	5217.5	5366.5	6076.6	7115.2	7077.7	5476.0
52.5°	5345.8	5359.6	5466.1	5478.9	5375.4	5295.5	5453.3	6172.3	7237.5	7213.8	5518.4
55°	4812.2	4836.8	5048.9	5292.5	5548.0	5522.3	5592.3	6222.6	7285.8	7291.7	5594.3
57.5°	3735.1	3770.6	4080.3	4414.7	4952.2	5397.1	5610.1	6209.8	7269.1	7301.6	5672.2
60°	2450.0	2470.7	2837.6	3212.4	3769.7	4385.1	5021.3	5979.0	7120.1	7166.5	5652.5
62.5°	1479.5	1503.1	1798.0	2082.1	2410.5	2821.8	3405.7	4805.3	5968.1	6071.7	4527.1
65°	1032.7	1064.2	1322.6	1556.4	1669.8	1585.0	1725.0	2683.7	3718.4	3761.8	2766.6
67.5°	748.6	770.3	982.4	1260.5	1385.8	1119.5	853.2	1188.5	1619.5	1635.3	1141.2
70°	490.2	514.9	707.2	959.7	1131.3	907.4	638.1	643.1	681.5	689.4	662.8
72.5°	269.3	284.1	436.9	637.2	668.7	542.5	498.1	534.6	561.2	561.2	568.1
75°	139.1	151.9	178.5	210.1	253.5	296.9	359.0	413.3	441.9	443.8	440.9
77.5°	71.0	75.9	95.7	103.6	113.4	132.2	171.6	219.9	245.6	255.5	253.5
80°	33.5	35.5	40.4	47.3	58.2	74.0	92.7	110.5	126.2	128.2	139.1
82.5°	17.8	19.7	21.7	25.6	31.6	39.5	54.2	65.1	75.0	76.9	85.8
85°	6.9	7.9	8.9	9.9	13.8	16.8	22.7	30.6	37.5	37.5	44.4
87.5°	0.0	0.0	0.0	0.0	1.0	2.0	3.9	4.9	6.9	6.9	11.8
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°	2148.2	2148.2	2148.2	2148.2	2148.2	2148.2	2148.2	2148.2	2148.2	2148.2	2148.2
2.5°	2169.9	2141.3	2128.4	2107.7	2091.0	2072.2	2057.4	2046.6	2039.7	2035.7	2031.8
5°	2205.4	2162.0	2127.5	2086.0	2057.4	2029.8	2007.1	1991.3	1983.5	1977.5	1973.6
7.5°	2260.6	2202.4	2137.3	2073.2	2022.9	1978.5	1949.9	1933.2	1922.3	1918.4	1915.4
10°	2336.6	2255.7	2148.2	2046.6	1971.6	1923.3	1903.6	1895.7	1896.7	1894.7	1893.7
12.5°	2422.4	2311.9	2145.2	1999.2	1916.4	1887.8	1888.8	1901.6	1916.4	1920.3	1921.3
15°	2515.1	2367.1	2116.6	1938.1	1873.0	1875.9	1901.6	1932.2	1959.8	1970.6	1972.6
17.5°	2615.7	2413.5	2064.3	1871.0	1837.5	1869.0	1916.4	1966.7	2007.1	2024.9	2029.8
20°	2728.1	2452.9	1990.4	1804.9	1803.9	1856.2	1925.3	1991.3	2042.6	2066.3	2070.3
22.5°	2847.5	2477.6	1899.6	1743.8	1769.4	1839.5	1918.4	1987.4	2041.6	2065.3	2070.3
25°	2967.8	2485.5	1800.0	1687.6	1733.9	1812.8	1884.8	1940.1	1991.3	2012.1	2016.0
27.5°	3080.2	2462.8	1705.3	1639.2	1701.4	1773.4	1821.7	1851.3	1886.8	1902.6	1905.5
30°	3194.6	2417.4	1625.4	1600.8	1664.9	1719.1	1740.8	1742.8	1756.6	1756.6	1758.6
32.5°	3310.0	2350.4	1555.4	1563.3	1619.5	1655.0	1658.0	1635.3	1618.5	1590.9	1589.9
35°	3443.2	2282.3	1498.2	1520.9	1566.2	1587.9	1579.1	1535.7	1495.2	1449.9	1447.9
37.5°	3566.5	2212.3	1449.9	1477.5	1506.1	1521.9	1501.2	1448.9	1415.3	1369.0	1362.1
40°	3668.1	2149.2	1403.5	1432.1	1445.9	1459.7	1426.2	1383.8	1388.7	1363.1	1362.1
42.5°	3727.2	2088.0	1360.1	1381.8	1390.7	1400.6	1371.0	1339.4	1366.0	1346.3	1347.3
45°	3770.6	2034.7	1320.7	1328.6	1350.2	1365.0	1337.4	1301.9	1307.8	1231.9	1214.1
47.5°	3820.0	2005.2	1283.2	1275.3	1313.8	1339.4	1297.0	1245.7	1210.2	1135.2	1128.3
50°	3872.2	1994.3	1243.7	1222.0	1268.4	1293.0	1243.7	1179.6	1133.3	1092.8	1088.9
52.5°	3890.0	1993.3	1194.4	1157.9	1204.3	1238.8	1197.4	1132.3	1077.0	1037.6	1035.6
55°	3960.0	2021.9	1131.3	1070.1	1113.5	1184.5	1154.0	1060.3	1015.9	998.1	996.2
57.5°	4041.9	2026.9	1031.7	974.5	1034.6	1118.5	1080.0	999.1	950.8	929.1	927.1
60°	4008.3	1905.5	925.2	901.5	967.6	1056.3	1020.8	950.8	894.6	873.9	871.9
62.5°	3054.6	1345.3	847.2	838.4	895.6	966.6	959.7	886.7	833.4	818.6	816.7
65°	1837.5	944.9	772.3	771.3	811.7	879.8	888.7	829.5	773.3	752.5	752.5
67.5°	908.4	723.0	687.5	682.5	708.2	756.5	794.0	745.6	698.3	678.6	675.6
70°	642.1	637.2	625.3	611.5	616.4	636.2	651.9	611.5	561.2	541.5	537.5
72.5°	555.3	556.3	548.4	537.5	533.6	519.8	506.0	476.4	445.8	425.1	427.1
75°	431.0	433.0	437.9	434.0	423.1	408.3	393.5	356.1	331.4	311.7	307.7
77.5°	251.5	261.4	277.2	273.2	275.2	254.5	248.5	212.1	189.4	175.6	172.6
80°	142.0	147.9	154.8	159.8	153.9	145.0	132.2	112.4	105.5	95.7	93.7
82.5°	85.8	91.7	94.7	98.6	96.7	84.8	75.0	62.1	56.2	51.3	50.3
85°	43.4	47.3	50.3	52.3	46.4	38.5	34.5	27.6	23.7	20.7	20.7
87.5°	10.8	11.8	13.8	11.8	10.8	4.9	3.9	1.0	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)