

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: P634266

Luminaire Tested: GWS-SA3B-735-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634266
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8994.3 lumens
Efficiency: N/A
Efficacy: 131.7 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

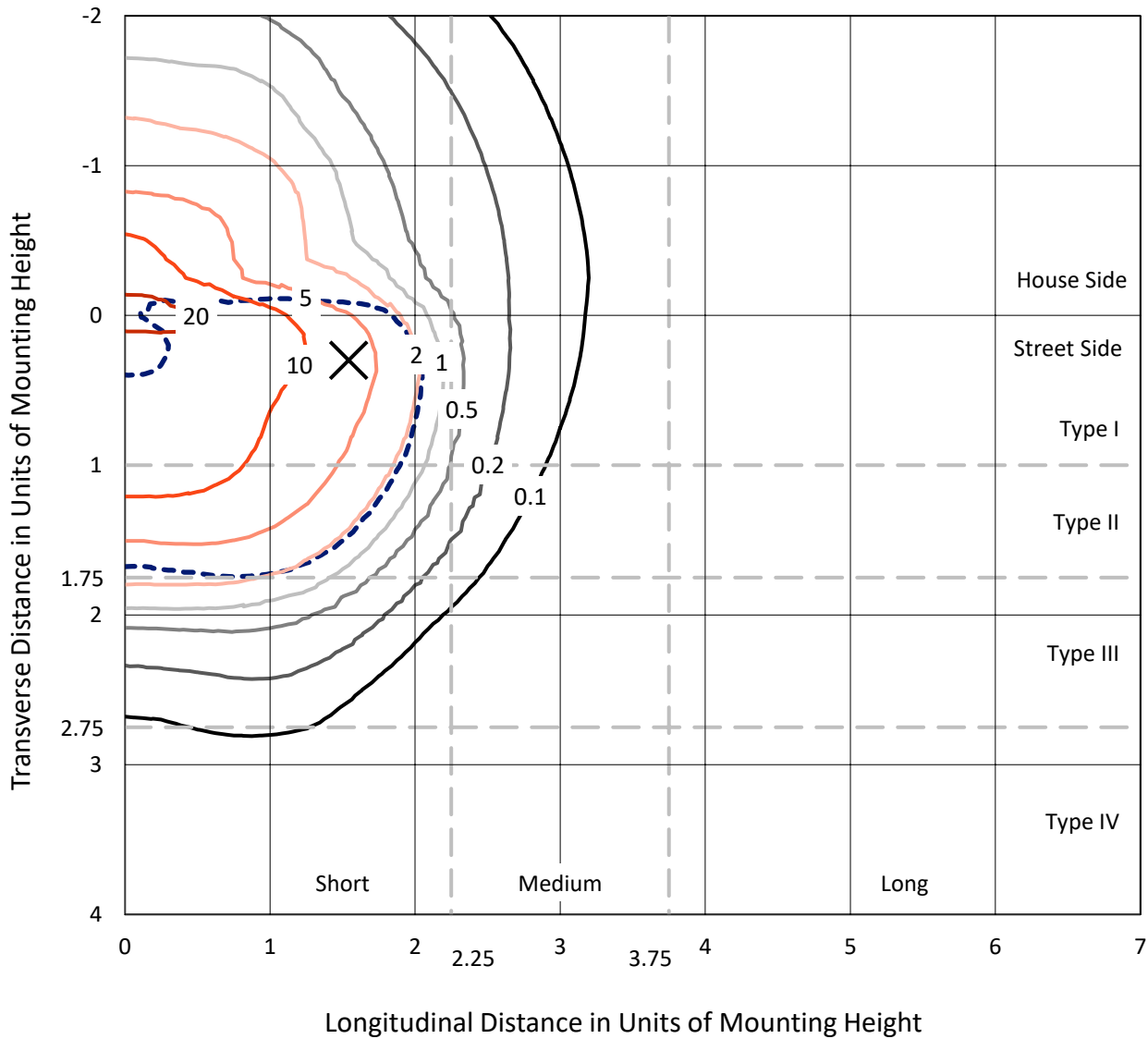
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

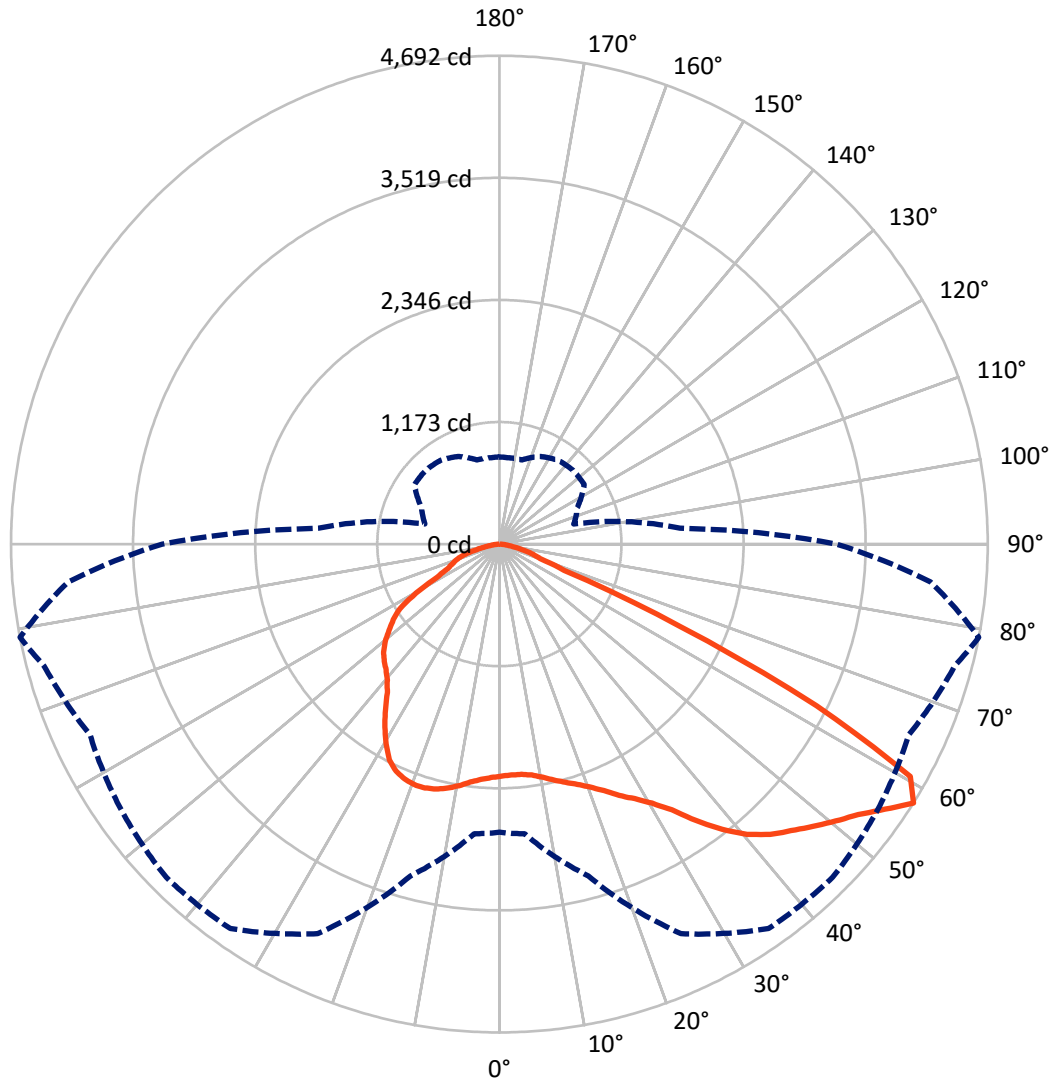
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.5 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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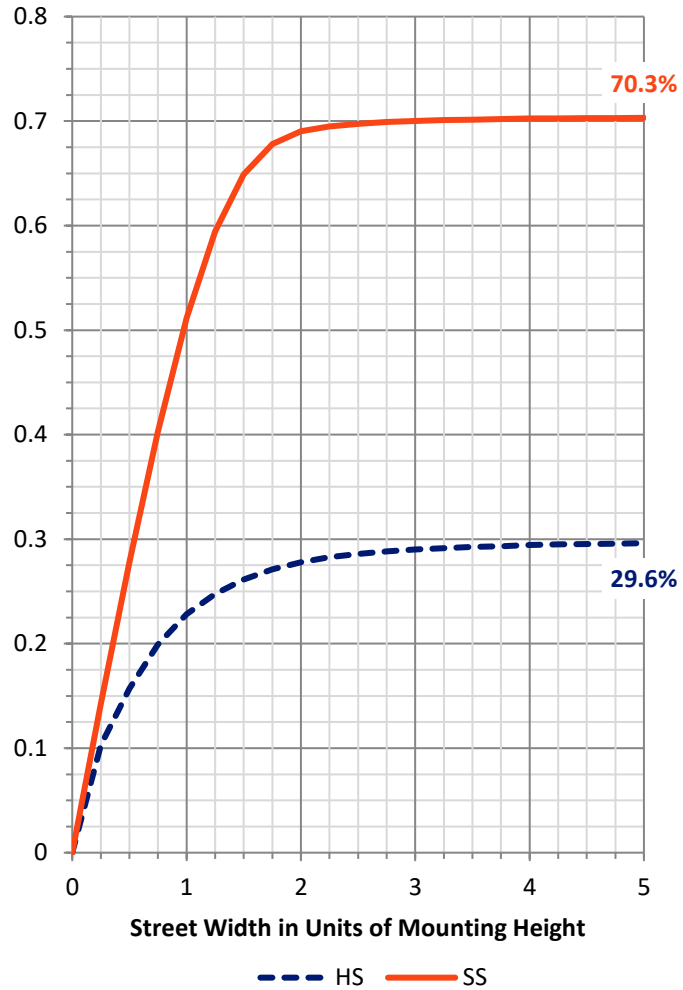
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2673.6	0.0	2673.6
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	6320.7	0.0	6320.7
	% Fixture	70.3	0.0	70.3
Total	Lumens	8994.3	0.0	8994.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.4	2.3
10°-20°	573.7	6.4
20°-30°	972.4	10.8
30°-40°	1488.3	16.5
40°-50°	1984.6	22.1
50°-60°	2292.0	25.5
60°-70°	1191.0	13.2
70°-80°	253.2	2.8
80°-90°	32.8	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°	8994.3	100.0
0°-180°	8994.3	100.0

Coefficient of Utilization



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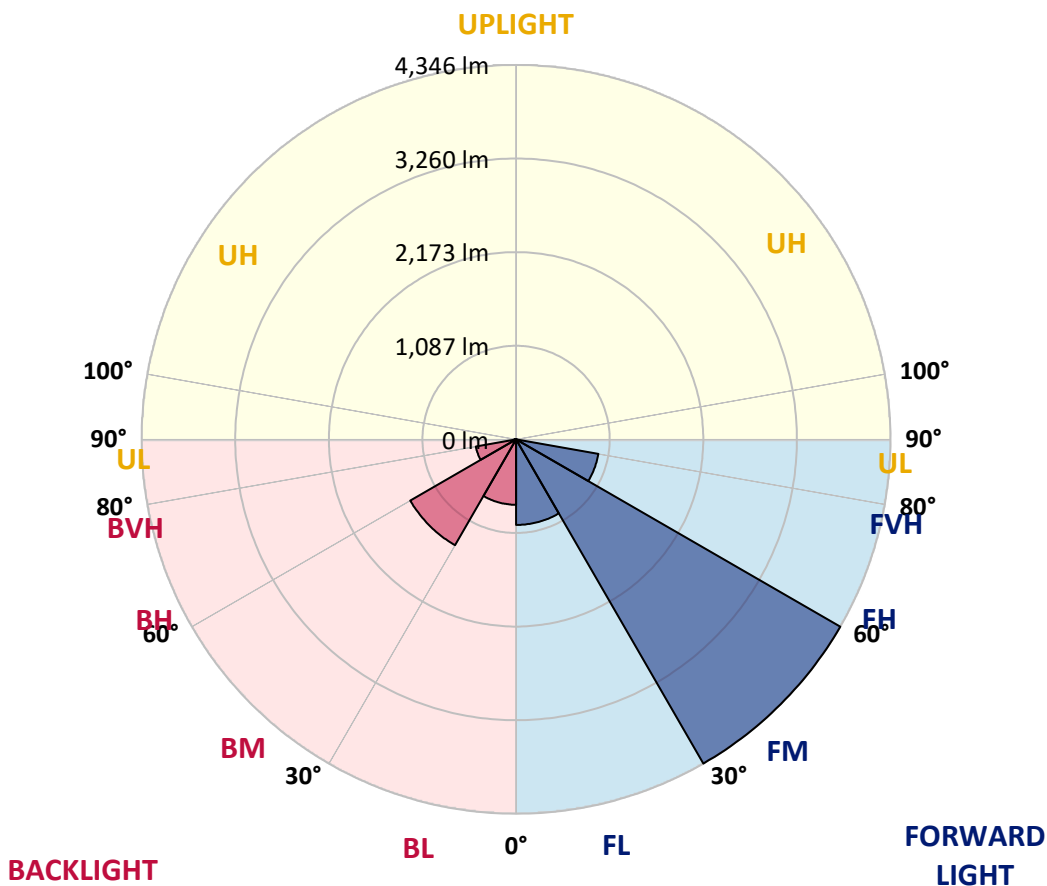
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	993.2	11.0			
FM (30°-60°)	4346.3	48.3			
FH (60°-80°)	969.8	10.8			G1/1800
FVH (80°-90°)	11.4	0.1			G1/100
BL (0°-30°)	759.3	8.4	B2/1000		
BM (30°-60°)	1418.6	15.8	B2/2500		
BH (60°-80°)	474.4	5.3	B1/500		G1/500
BVH (80°-90°)	21.4	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°	2229.0	2229.0	2229.0	2229.0	2229.0	2229.0	2229.0	2229.0	2229.0	2229.0	2229.0
2.5°	2127.5	2123.1	2124.6	2130.5	2152.5	2168.7	2185.6	2201.1	2215.8	2220.2	2223.8
5°	2051.8	2043.7	2045.9	2055.4	2081.2	2108.4	2138.5	2175.3	2210.6	2222.4	2237.8
7.5°	1998.1	1996.6	2000.3	2015.0	2042.2	2067.9	2106.9	2159.1	2220.2	2240.0	2267.2
10°	1926.7	1923.8	1938.5	1968.7	2013.5	2054.7	2101.0	2162.8	2248.1	2277.5	2319.4
12.5°	1870.1	1868.6	1884.1	1926.0	1983.4	2048.8	2112.8	2181.9	2285.6	2326.1	2377.5
15°	1903.2	1896.6	1897.3	1926.7	1978.2	2055.4	2142.2	2216.5	2323.1	2374.6	2440.8
17.5°	1999.6	1987.8	1979.0	1984.1	2013.5	2093.7	2187.1	2262.8	2366.5	2426.8	2507.7
20°	2132.7	2126.0	2101.8	2085.6	2092.2	2162.8	2257.7	2328.3	2423.1	2490.8	2577.6
22.5°	2311.4	2295.2	2262.1	2236.3	2216.5	2271.6	2359.2	2420.2	2501.8	2572.4	2662.9
25°	2532.7	2509.2	2457.0	2416.5	2373.9	2430.5	2508.4	2554.8	2609.9	2675.4	2761.4
27.5°	2758.5	2738.6	2680.5	2626.1	2573.2	2608.5	2701.1	2727.6	2721.7	2769.5	2843.1
30°	2999.0	2974.0	2918.8	2860.0	2791.6	2814.4	2897.5	2910.7	2848.2	2887.9	2937.9
32.5°	3252.7	3228.4	3180.6	3112.2	3035.0	3043.8	3066.6	3079.1	3019.5	3042.3	3080.6
35°	3510.8	3488.0	3439.5	3371.8	3315.2	3261.5	3204.1	3254.1	3219.6	3263.7	3260.8
37.5°	3746.9	3724.1	3693.9	3641.7	3544.6	3438.7	3306.4	3368.1	3421.8	3477.7	3468.1
40°	3906.4	3891.0	3898.4	3890.3	3765.2	3555.7	3356.4	3424.0	3570.4	3666.0	3660.8
42.5°	4044.0	4028.5	4071.2	4102.1	3955.0	3663.8	3380.6	3445.3	3665.2	3814.5	3807.2
45°	4105.0	4100.6	4171.2	4269.0	4128.5	3778.5	3443.1	3489.5	3737.3	3928.5	3900.6
47.5°	4032.2	4047.6	4186.6	4352.1	4272.7	3914.5	3571.1	3582.9	3831.4	4052.1	3973.4
50°	3887.3	3921.1	4108.7	4354.3	4377.8	4068.2	3748.3	3718.9	3957.9	4183.7	4011.6
52.5°	3676.3	3711.6	4017.5	4337.4	4438.1	4246.2	3984.4	3942.5	4117.5	4315.3	4018.2
55°	3191.6	3239.4	3808.6	4299.1	4497.0	4408.0	4250.6	4165.3	4323.4	4496.2	4083.7
57.5°	2768.8	2793.8	3299.7	4129.3	4508.7	4527.1	4440.3	4338.9	4527.9	4691.8	4157.2
60°	2031.9	2037.8	2493.0	3416.7	4147.7	4458.0	4424.9	4274.1	4430.8	4535.2	3820.4
62.5°	1148.0	1148.7	1512.0	2280.5	3098.2	3633.6	3654.2	3521.1	3389.5	3420.3	2659.2
65°	430.9	471.4	690.5	1120.7	1786.3	2145.2	2230.5	2261.4	2042.2	1906.2	1425.9
67.5°	288.3	297.8	403.0	576.6	795.0	917.8	1026.6	1029.6	753.0	671.4	561.8
70°	219.9	229.4	317.0	412.6	403.0	372.1	402.3	391.2	404.5	415.5	427.3
72.5°	164.0	173.6	245.6	291.2	241.9	238.3	269.9	300.0	328.0	339.8	358.1
75°	108.8	116.2	165.5	155.9	133.8	158.1	197.1	227.2	243.4	257.4	271.4
77.5°	69.1	74.3	88.2	71.3	74.3	92.7	114.7	141.9	157.4	171.3	178.7
80°	31.6	30.9	30.2	33.8	41.9	54.4	69.1	85.3	97.1	103.0	107.4
82.5°	12.5	14.0	15.4	18.4	22.8	29.4	39.0	50.0	59.6	61.0	64.7
85°	5.1	5.9	6.6	8.1	10.3	13.2	16.2	22.8	28.7	30.9	33.1
87.5°	0.0	0.0	0.0	0.0	0.7	1.5	2.2	3.7	6.6	7.4	8.1
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°	2229.0	2229.0	2229.0	2229.0	2229.0	2229.0	2229.0	2229.0	2229.0	2229.0	2229.0
2.5°	2243.7	2234.1	2250.3	2261.4	2271.6	2260.6	2256.9	2247.4	2245.9	2245.9	2251.1
5°	2264.3	2257.7	2274.6	2281.2	2280.5	2256.2	2241.5	2222.4	2212.8	2212.8	2214.3
7.5°	2301.1	2297.4	2306.9	2296.7	2273.1	2223.8	2175.3	2134.9	2107.7	2093.7	2098.1
10°	2362.1	2357.7	2349.6	2311.4	2243.7	2141.5	2042.2	1968.7	1924.5	1899.5	1901.0
12.5°	2421.7	2414.3	2385.6	2301.1	2162.1	1999.6	1869.4	1787.0	1738.5	1709.1	1702.4
15°	2487.1	2468.0	2406.2	2248.1	2029.0	1826.0	1689.9	1601.0	1548.8	1531.1	1530.4
17.5°	2549.6	2515.8	2404.0	2154.0	1869.4	1644.4	1507.6	1452.4	1443.6	1451.7	1453.9
20°	2612.9	2558.5	2379.8	2023.8	1679.7	1463.4	1392.8	1415.6	1448.7	1470.8	1475.9
22.5°	2678.3	2593.8	2324.6	1856.1	1479.6	1341.4	1370.8	1420.8	1462.0	1491.4	1494.3
25°	2751.9	2626.8	2242.2	1651.0	1319.3	1307.5	1365.6	1418.6	1462.7	1496.5	1502.4
27.5°	2793.8	2627.6	2126.8	1439.9	1245.8	1294.3	1353.1	1403.1	1447.3	1484.0	1490.7
30°	2835.0	2607.7	1943.7	1268.6	1224.4	1278.9	1331.8	1378.1	1420.1	1456.1	1464.2
32.5°	2893.1	2589.3	1732.6	1170.0	1211.9	1264.2	1307.5	1348.7	1381.1	1397.3	1401.7
35°	2965.1	2565.8	1508.3	1127.4	1203.8	1252.4	1290.6	1312.7	1270.8	1261.9	1271.5
37.5°	3065.9	2543.7	1284.7	1109.0	1198.7	1248.0	1281.8	1225.2	1173.7	1153.1	1160.5
40°	3174.7	2531.2	1133.3	1094.3	1200.9	1252.4	1245.0	1161.2	1086.9	1043.5	1042.1
42.5°	3267.4	2512.1	1036.2	1084.7	1206.8	1269.3	1195.0	1104.6	994.3	968.5	969.3
45°	3329.9	2463.6	984.7	1074.4	1211.9	1273.0	1171.5	1026.6	947.9	931.8	931.0
47.5°	3355.6	2375.3	951.6	1058.2	1211.2	1242.8	1123.7	994.3	915.6	911.2	914.1
50°	3338.7	2230.5	917.8	1026.6	1193.6	1211.2	1068.5	965.6	893.5	917.8	935.4
52.5°	3276.2	2042.9	877.3	983.2	1161.9	1175.2	1040.6	947.9	877.3	909.7	923.7
55°	3260.0	1890.7	825.9	926.6	1114.9	1111.2	1011.2	939.1	866.3	853.8	856.0
57.5°	3238.7	1742.2	740.5	825.1	995.7	1001.6	983.2	928.8	837.6	833.9	837.6
60°	2813.6	1335.5	660.4	711.9	817.8	849.4	951.6	909.7	791.3	775.8	775.1
62.5°	1837.8	808.9	587.6	620.7	666.3	703.0	867.8	854.5	740.5	731.0	737.6
65°	988.4	576.6	534.6	554.5	579.5	607.4	719.2	761.1	669.2	635.4	636.1
67.5°	505.2	490.5	494.9	508.9	528.0	542.0	580.2	617.0	570.7	542.0	541.3
70°	432.4	444.2	450.8	458.9	471.4	469.2	472.9	479.5	475.8	461.8	461.1
72.5°	368.4	386.8	388.3	389.8	394.2	383.9	377.3	366.2	367.0	369.2	369.9
75°	280.2	297.8	302.2	300.0	304.5	291.2	282.4	271.4	258.1	255.9	257.4
77.5°	182.4	196.4	203.0	201.5	203.7	193.4	189.0	177.2	161.8	155.9	155.9
80°	110.3	118.4	123.5	125.0	127.2	119.9	112.5	102.2	95.6	89.0	89.0
82.5°	66.9	72.1	75.7	75.7	78.0	69.9	64.0	56.6	53.7	47.8	47.8
85°	33.8	37.5	39.0	38.2	36.8	30.2	27.9	24.3	22.8	19.9	19.9
87.5°	8.1	10.3	10.3	7.4	7.4	3.7	2.2	0.7	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)