

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: P630296

Luminaire Tested: GWS-SA1D-735-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630296
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-735-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5933.7 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

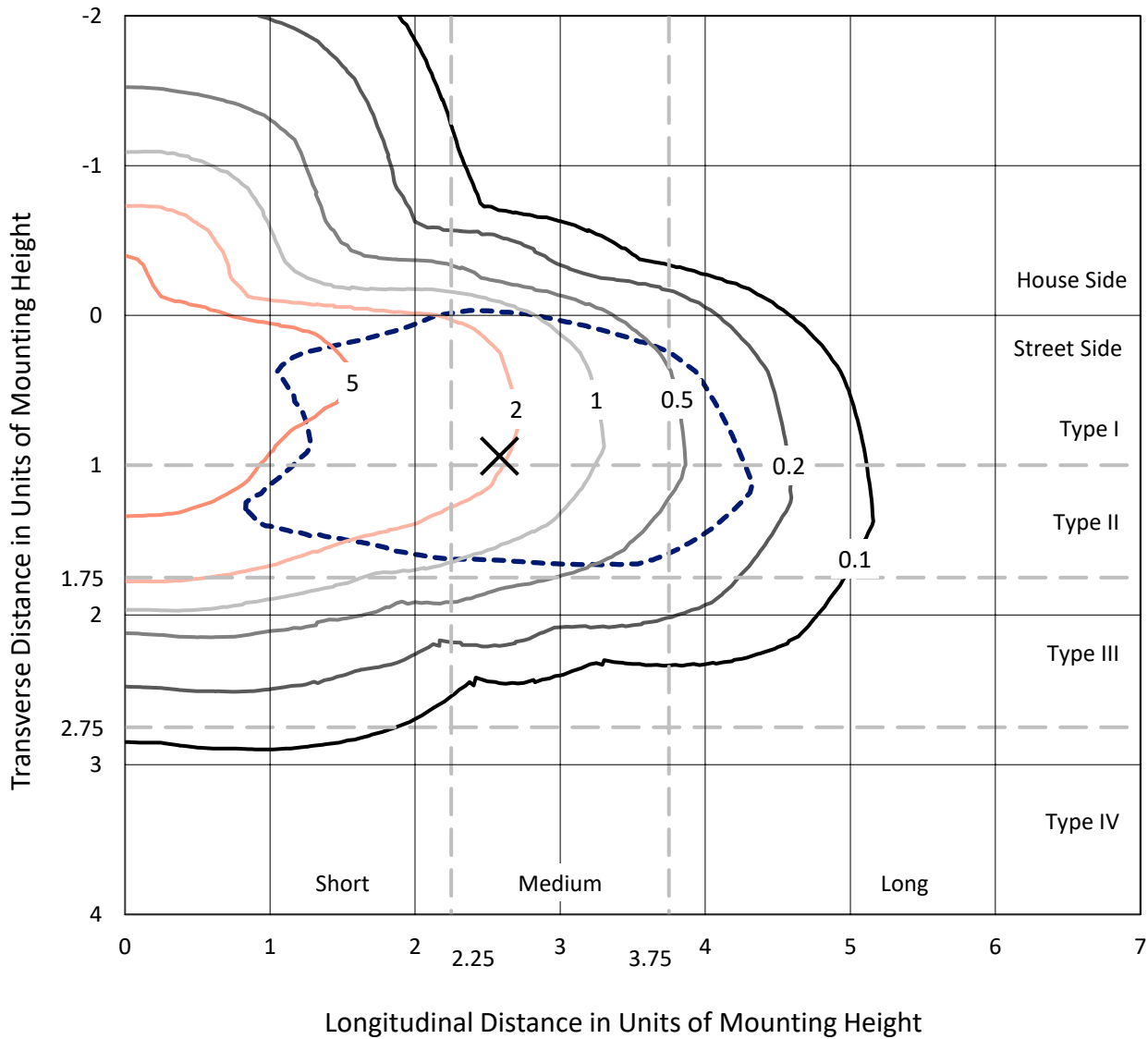
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

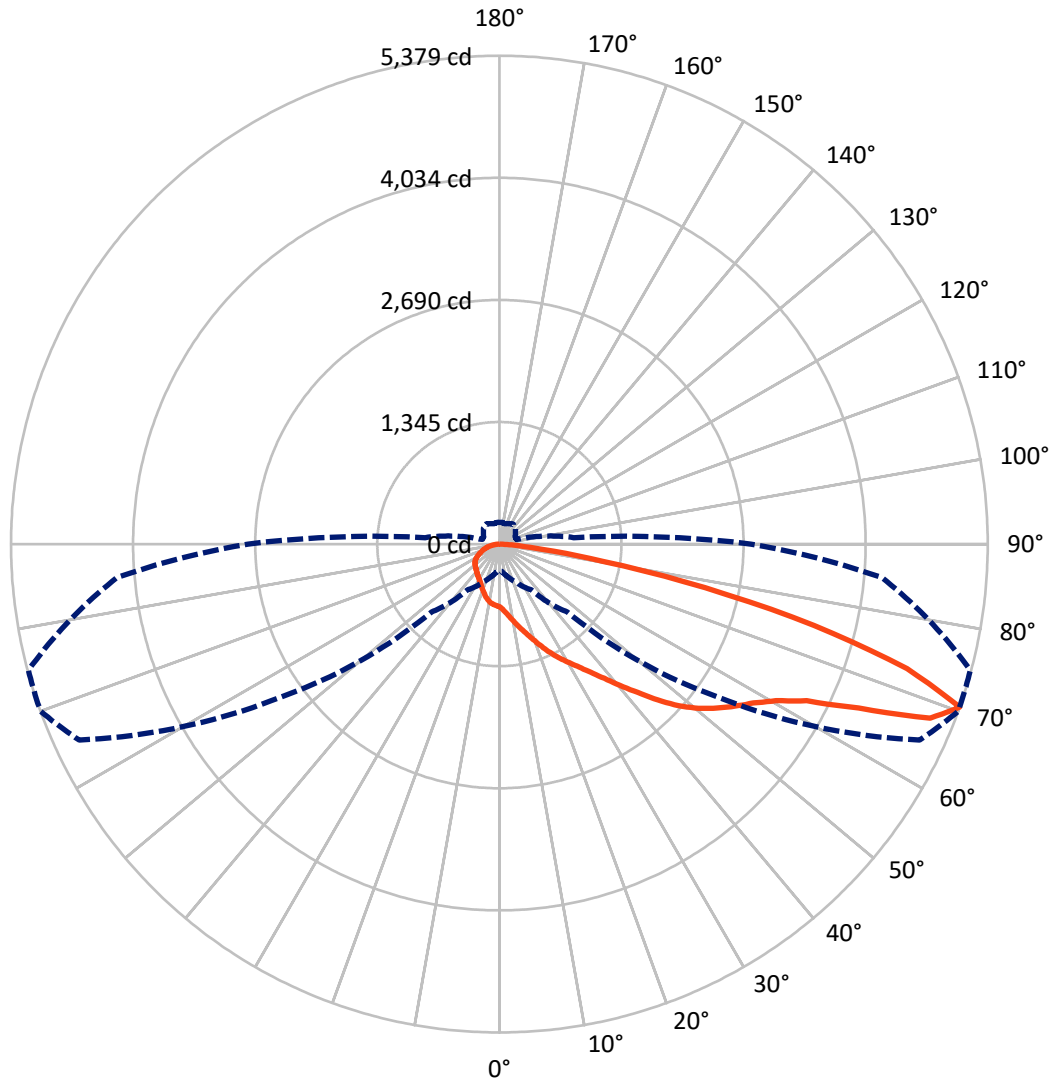
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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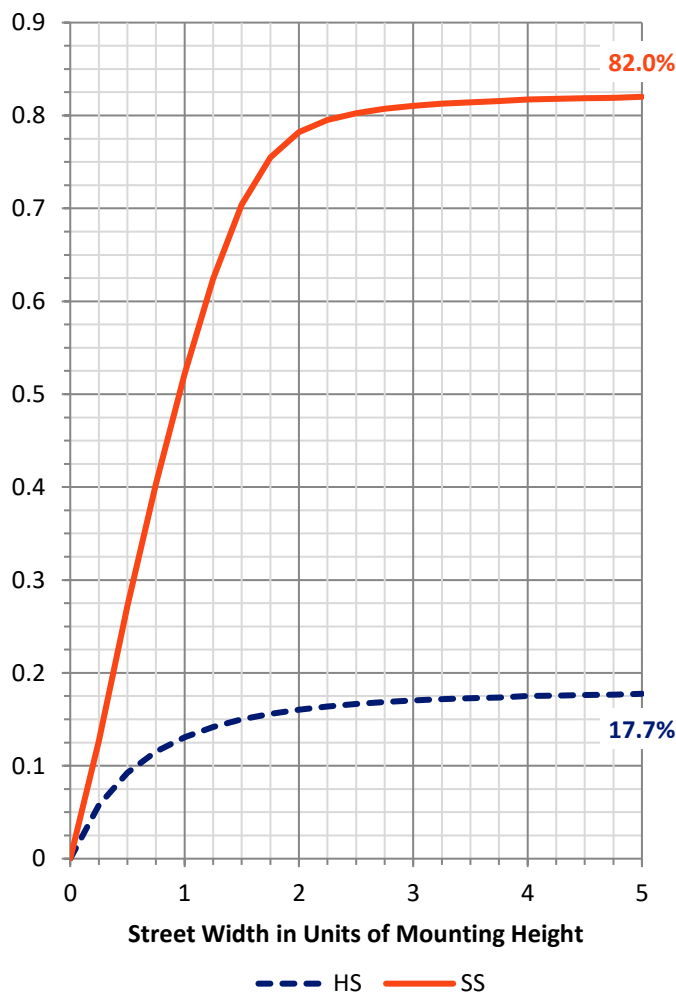
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1063.3	0.0	1063.3
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	4870.4	0.0	4870.4
	% Fixture	82.1	0.0	82.1
Total	Lumens	5933.7	0.0	5933.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.3	1.2
10°-20°	228.8	3.9
20°-30°	405.3	6.8
30°-40°	610.0	10.3
40°-50°	922.9	15.6
50°-60°	1322.1	22.3
60°-70°	1461.4	24.6
70°-80°	824.7	13.9
80°-90°	88.2	1.5
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°	5933.7	100.0
0°-180°	5933.7	100.0

Coefficient of Utilization



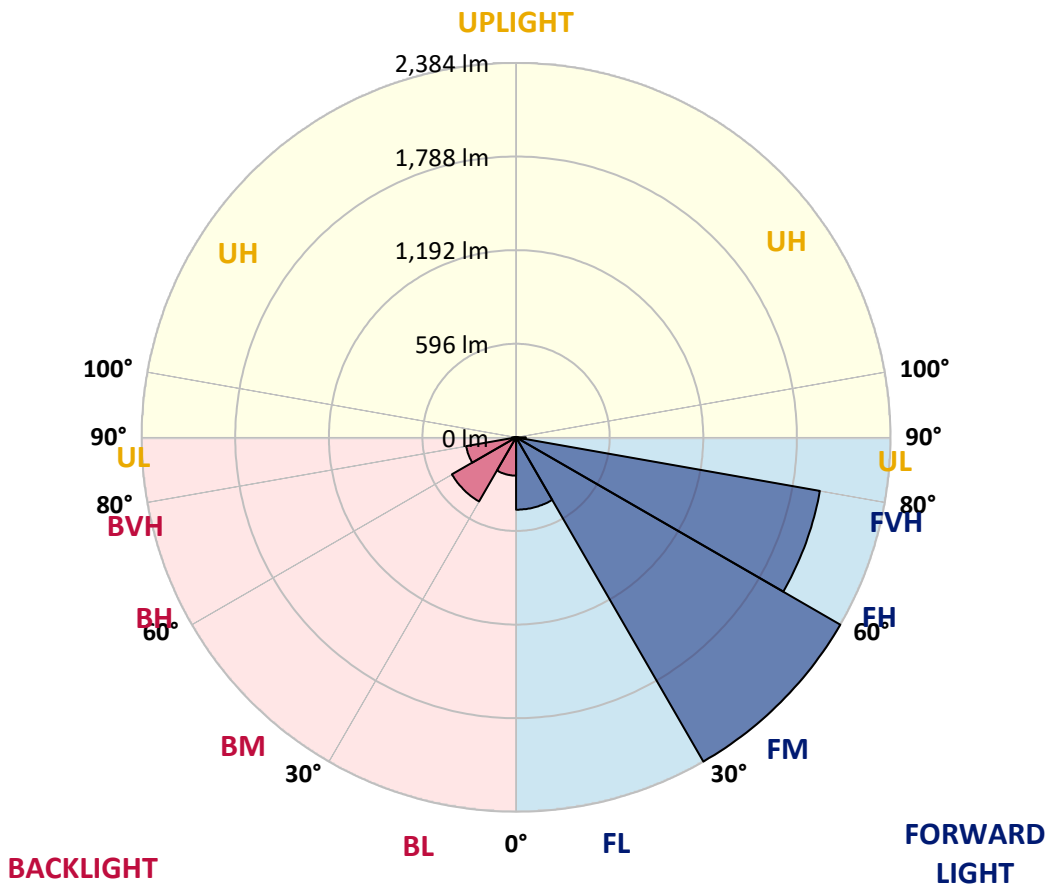
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	460.6	7.8			
FM (30°-60°)	2383.6	40.2			
FH (60°-80°)	1963.8	33.1			G2/5000
FVH (80°-90°)	62.4	1.1			G1/100
BL (0°-30°)	243.8	4.1	B1/500		
BM (30°-60°)	471.4	7.9	B1/1000		
BH (60°-80°)	322.3	5.4	B1/500		G1/500
BVH (80°-90°)	25.9	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	692.0	692.0	692.0	692.0	692.0	692.0	692.0	692.0	692.0	692.0	692.0
2.5°	766.6	765.3	766.2	765.3	760.6	749.0	739.6	727.6	719.4	714.7	703.6
5°	856.6	855.3	852.3	848.1	839.5	823.6	800.0	773.9	758.0	746.0	722.4
7.5°	921.4	921.4	920.9	915.8	909.8	893.1	865.2	830.9	807.8	787.2	748.6
10°	954.4	956.5	959.5	966.8	965.5	956.5	930.4	893.5	864.3	840.3	782.9
12.5°	972.4	973.7	978.8	993.8	1009.3	1011.4	996.0	957.4	925.7	893.5	821.0
15°	995.5	996.0	1002.8	1020.8	1043.6	1066.3	1062.4	1023.8	991.3	955.7	863.5
17.5°	1013.6	1016.6	1029.0	1050.0	1078.3	1109.6	1128.5	1104.4	1064.1	1023.4	909.8
20°	1020.0	1022.1	1038.4	1070.6	1109.2	1153.3	1195.3	1188.9	1148.2	1100.2	962.1
22.5°	1043.1	1043.1	1055.1	1082.1	1127.6	1191.9	1260.1	1276.8	1240.8	1184.6	1018.3
25°	1094.2	1092.4	1098.0	1109.2	1143.5	1222.8	1324.0	1374.1	1333.8	1270.8	1074.4
27.5°	1164.0	1163.2	1162.8	1164.5	1176.0	1249.8	1378.0	1465.0	1424.7	1353.5	1124.6
30°	1239.9	1237.4	1242.9	1237.8	1235.2	1281.9	1423.9	1546.5	1515.2	1435.4	1166.2
32.5°	1343.3	1338.5	1337.3	1320.5	1310.2	1332.1	1460.7	1639.1	1614.2	1523.8	1212.9
35°	1479.6	1475.3	1453.4	1426.9	1396.4	1406.7	1506.6	1729.6	1731.3	1634.4	1274.2
37.5°	1617.2	1618.1	1600.9	1538.3	1507.0	1501.0	1576.5	1839.7	1876.6	1766.4	1353.5
40°	1731.7	1736.8	1736.8	1670.8	1624.1	1618.5	1674.7	1970.5	2043.8	1928.5	1453.9
42.5°	1818.7	1823.4	1838.5	1790.9	1741.6	1760.9	1793.9	2101.7	2233.3	2128.7	1580.8
45°	1914.3	1918.2	1926.3	1898.9	1870.2	1921.6	1928.9	2258.6	2450.3	2353.4	1728.3
47.5°	2041.2	2037.8	2038.7	2018.5	1996.2	2079.4	2077.7	2390.7	2659.9	2599.5	1888.2
50°	2199.0	2205.5	2199.5	2159.6	2133.4	2209.3	2219.2	2536.9	2844.3	2843.0	2049.4
52.5°	2350.8	2353.4	2385.1	2386.8	2333.2	2317.4	2343.1	2684.4	2999.9	3065.9	2204.2
55°	2358.5	2368.4	2463.6	2532.2	2618.8	2491.4	2468.3	2825.0	3150.4	3284.2	2365.0
57.5°	2194.3	2210.2	2371.8	2519.7	2760.7	2790.3	2682.6	3006.8	3300.9	3499.0	2551.0
60°	1843.6	1876.6	2096.1	2322.5	2696.8	3005.1	3121.3	3253.7	3498.5	3718.5	2777.0
62.5°	1177.3	1190.2	1498.0	1877.0	2409.1	2984.1	3598.9	3688.9	3799.5	4004.5	3125.1
65°	589.5	630.7	811.2	1120.3	1737.3	2629.5	3840.3	4485.9	4350.5	4494.1	3689.3
67.5°	400.0	413.3	504.6	673.1	1018.7	1862.9	3690.6	5157.4	5117.5	5141.1	4290.9
70°	295.0	303.6	375.6	476.8	616.1	1057.7	2938.2	5106.8	5379.0	5370.4	4227.8
72.5°	215.2	219.5	274.0	364.0	456.6	547.1	1794.3	4125.4	4695.6	4943.0	3697.5
75°	156.5	161.6	190.4	272.3	355.0	341.3	885.8	2979.8	3580.9	4056.8	3012.4
77.5°	116.6	123.0	136.3	170.6	248.7	244.4	382.9	1934.9	2316.1	2649.6	1829.9
80°	84.0	85.3	93.0	109.3	157.8	143.2	182.2	1008.8	1156.8	1267.4	717.3
82.5°	51.0	52.3	62.2	67.3	97.8	90.0	94.8	326.7	468.2	496.9	268.0
85°	15.0	15.9	28.3	30.9	40.7	38.6	38.2	132.9	158.6	202.8	105.5
87.5°	0.0	0.0	0.0	0.0	0.4	2.6	4.7	23.6	35.6	49.3	25.7
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°	692.0	692.0	692.0	692.0	692.0	692.0	692.0	692.0	692.0	692.0	692.0
2.5°	699.3	689.4	684.3	675.3	668.8	662.4	656.0	650.0	647.4	643.5	644.4
5°	711.7	696.3	680.8	663.3	648.3	635.8	624.7	614.8	610.5	606.7	608.4
7.5°	730.6	707.4	677.8	645.7	622.1	605.0	593.4	586.5	584.4	581.4	581.4
10°	754.6	719.9	668.0	622.1	593.8	580.1	574.9	574.5	576.7	577.1	576.2
12.5°	781.2	731.9	653.4	594.2	570.2	565.9	569.8	577.1	584.4	588.2	587.4
15°	808.6	739.6	628.5	567.7	553.1	558.7	571.1	585.7	599.8	607.1	606.7
17.5°	834.3	741.3	596.4	541.9	538.1	552.2	573.7	596.4	615.7	626.0	626.4
20°	863.1	738.3	563.4	518.8	523.1	546.2	574.5	602.0	624.7	635.0	637.5
22.5°	889.2	728.0	531.2	496.9	510.2	538.9	567.7	593.4	613.5	623.4	626.8
25°	912.8	708.3	496.1	478.5	500.3	528.6	550.5	568.5	582.7	588.7	593.4
27.5°	925.7	678.7	469.5	463.9	490.9	514.1	526.1	531.6	536.4	534.6	538.1
30°	928.2	641.8	446.3	452.3	476.8	493.9	496.5	490.9	482.8	469.5	472.5
32.5°	925.7	599.4	427.0	439.9	460.9	471.2	467.8	453.2	433.5	412.9	414.2
35°	926.5	556.5	411.2	426.2	442.5	448.0	439.5	419.3	398.3	379.4	378.6
37.5°	935.9	520.5	397.9	412.9	424.5	425.3	415.9	394.9	384.2	370.0	368.3
40°	962.1	493.9	385.9	399.6	406.9	406.4	395.7	380.7	388.0	383.3	382.0
42.5°	1005.0	477.6	376.0	385.4	390.6	391.4	382.9	373.4	389.3	383.3	381.2
45°	1074.0	476.8	369.1	371.3	379.4	385.4	379.4	368.7	374.7	345.6	340.0
47.5°	1155.9	491.3	364.0	358.9	373.0	383.7	374.3	357.1	344.7	318.1	314.3
50°	1254.5	520.9	359.3	345.6	363.6	377.3	367.9	344.3	325.4	311.3	309.1
52.5°	1371.6	559.9	353.3	330.6	349.4	373.9	367.9	343.0	318.1	305.3	303.1
55°	1494.2	605.0	346.4	312.6	333.6	374.7	370.9	334.0	312.6	305.7	304.0
57.5°	1646.4	659.0	334.0	291.5	319.4	367.0	358.9	328.8	308.7	303.1	301.4
60°	1844.0	739.2	310.4	270.1	303.1	353.3	348.1	320.3	298.4	293.7	292.4
62.5°	2157.0	875.1	281.7	249.5	283.8	324.6	332.3	304.0	285.5	285.1	284.7
65°	2667.2	1038.4	247.8	231.1	263.7	301.0	311.3	287.3	272.3	277.0	276.5
67.5°	3024.8	1052.6	219.9	211.8	240.1	275.3	290.3	270.1	253.8	262.8	262.4
70°	2770.5	821.0	195.9	191.6	214.8	247.4	267.5	248.7	232.4	241.0	239.2
72.5°	2336.7	629.4	173.2	170.6	189.1	218.2	238.4	227.2	210.1	210.1	206.2
75°	1877.9	519.2	149.2	147.9	160.4	188.6	211.4	192.5	176.6	175.8	173.2
77.5°	1077.0	340.4	125.2	124.3	128.2	157.8	164.2	160.4	148.3	142.8	141.1
80°	429.2	177.1	98.6	93.0	96.9	115.8	129.5	123.0	112.8	105.9	102.0
82.5°	166.4	88.7	69.5	60.9	66.5	83.6	93.9	91.8	84.9	69.5	65.2
85°	67.7	43.3	41.6	35.2	38.6	45.0	54.0	46.7	38.6	27.4	26.2
87.5°	18.0	15.9	15.4	9.4	7.3	2.1	0.4	0.0	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)