

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: P630241

Luminaire Tested: GWS-SA1D-730-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630241
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-730-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5478.4 lumens
Efficiency: N/A
Efficacy: 123.7 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

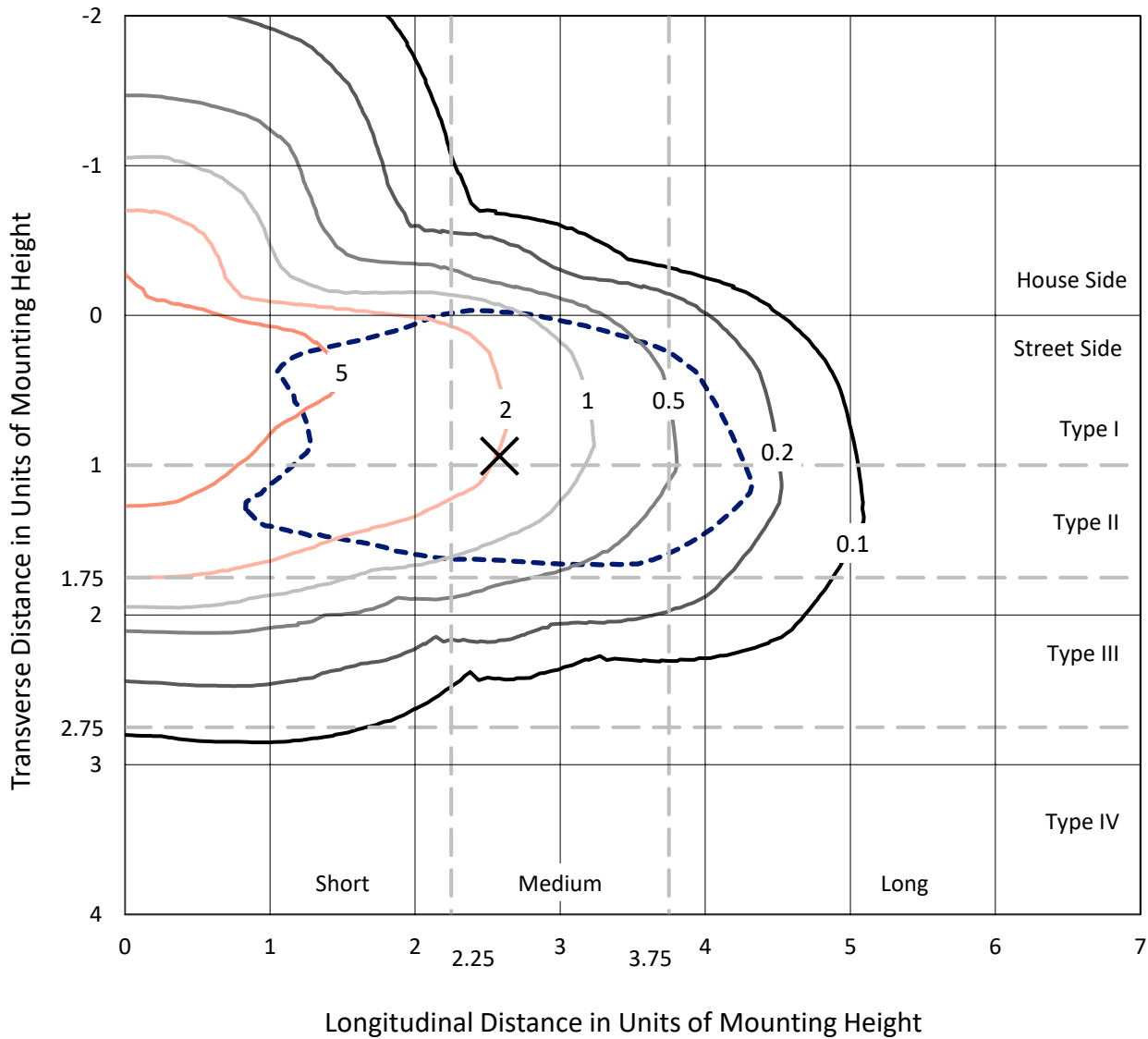
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630241
 CATALOG NUMBER: GWS-SA1D-730-U-T2-W

Iso-Footcandle Lines of Horizontal Illumination

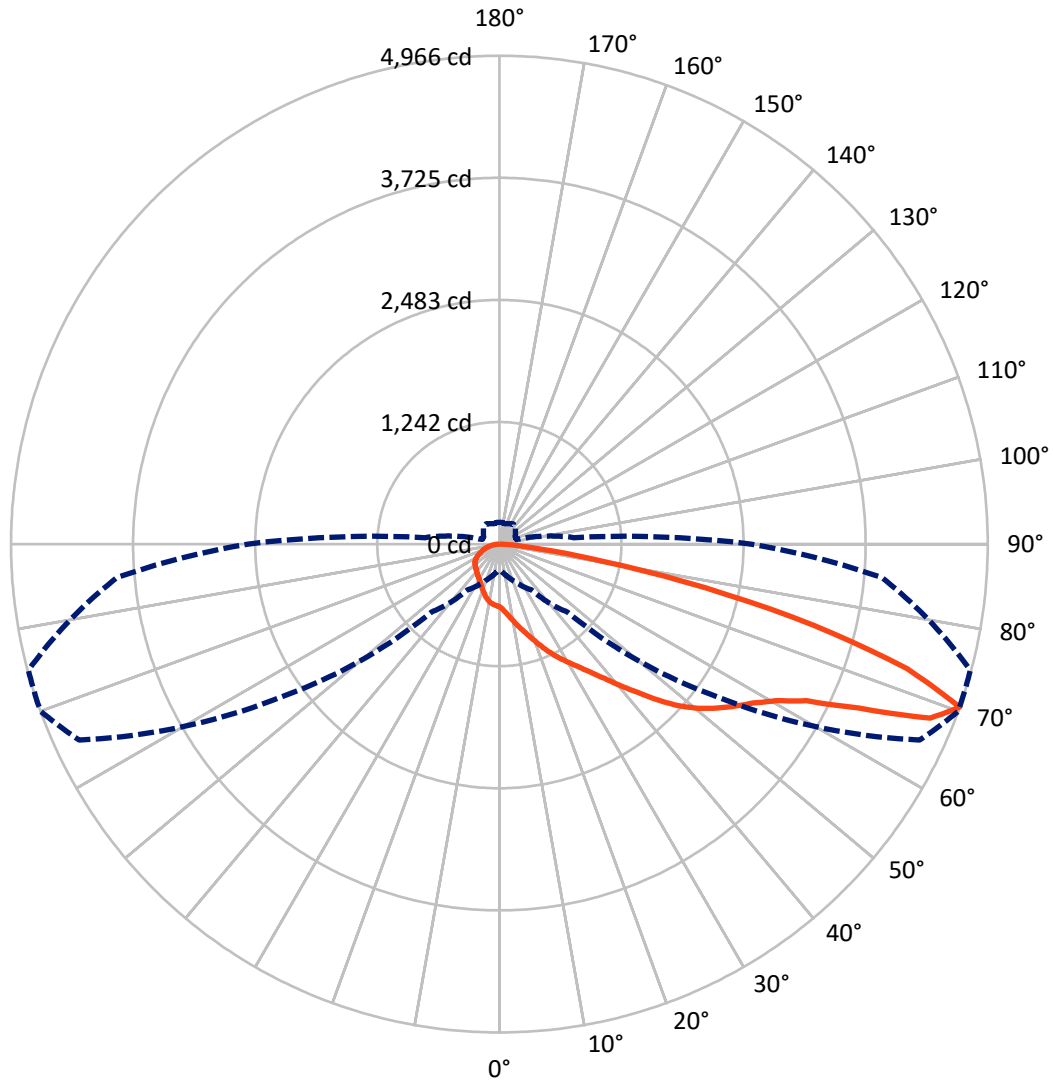
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 fc
 Type II - Medium - N/A

REPORT NUMBER: P630241
CATALOG NUMBER: GWS-SA1D-730-U-T2-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630241

CATALOG NUMBER: GWS-SA1D-730-U-T2-W

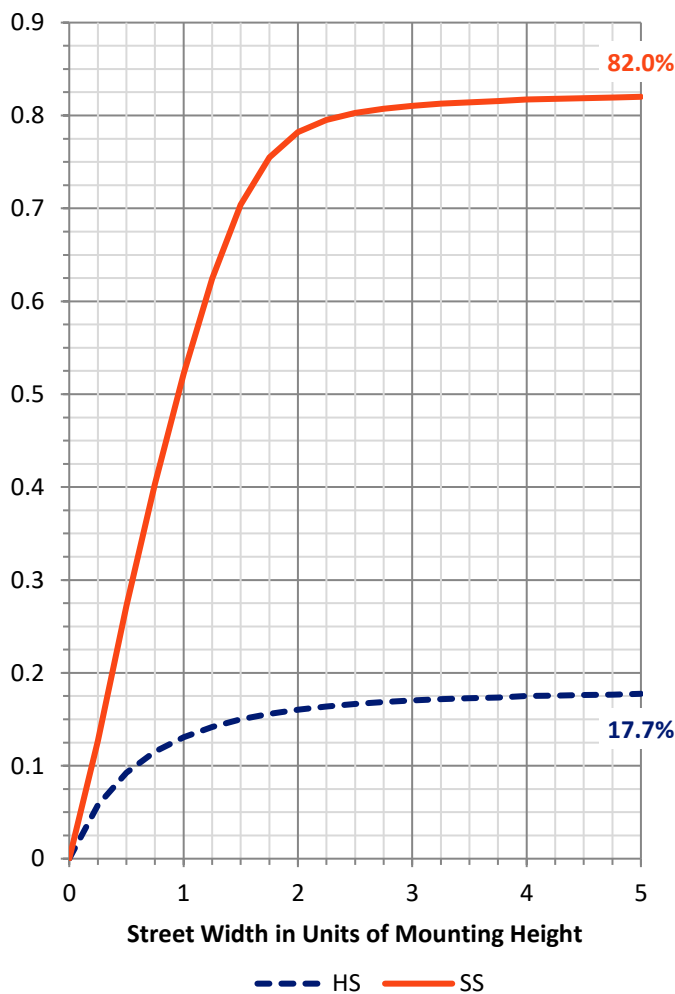
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	981.7	0.0	981.7
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	4496.7	0.0	4496.7
	% Fixture	82.1	0.0	82.1
Total	Lumens	5478.4	0.0	5478.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.9	1.2
10°-20°	211.2	3.9
20°-30°	374.2	6.8
30°-40°	563.2	10.3
40°-50°	852.1	15.6
50°-60°	1220.6	22.3
60°-70°	1349.3	24.6
70°-80°	761.4	13.9
80°-90°	81.4	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°	5478.4	100.0
0°-180°	5478.4	100.0

Coefficient of Utilization



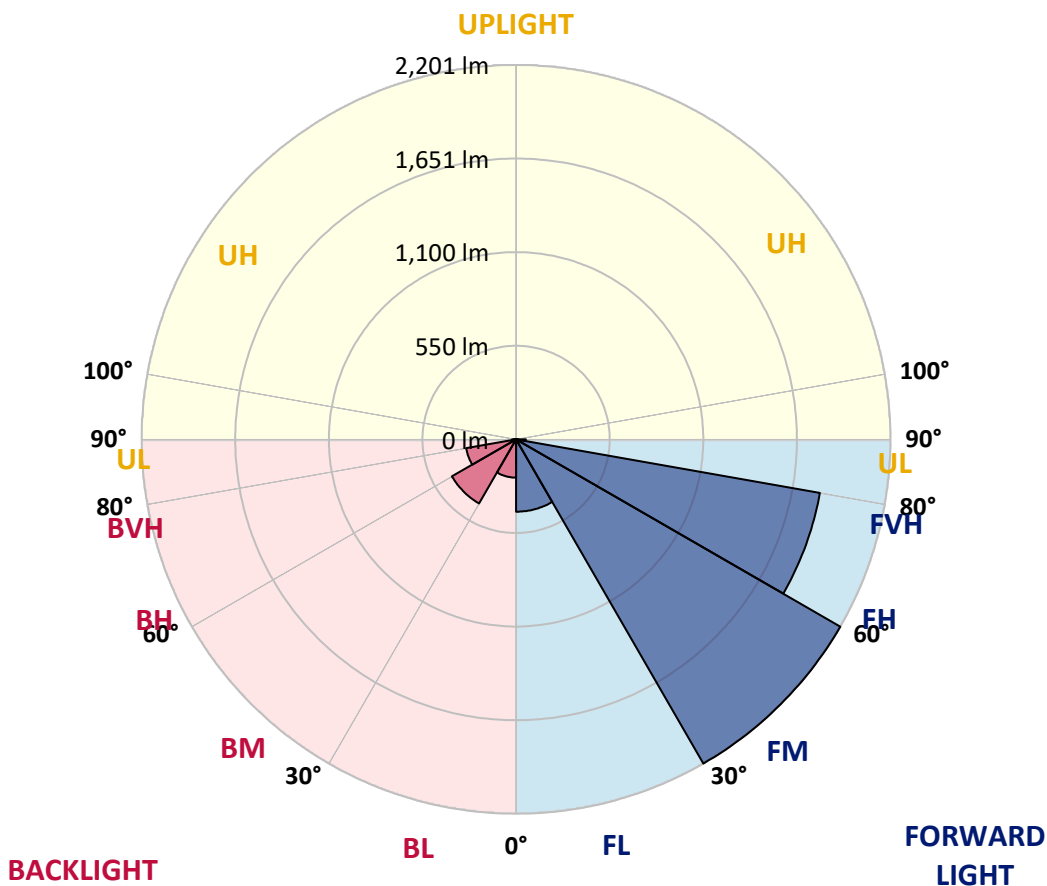
REPORT NUMBER: P630241

CATALOG NUMBER: GWS-SA1D-730-U-T2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	425.3	7.8			
FM (30°-60°)	2200.7	40.2			
FH (60°-80°)	1813.1	33.1			G2/5000
FVH (80°-90°)	57.6	1.1			G1/100
BL (0°-30°)	225.1	4.1	B1/500		
BM (30°-60°)	435.2	7.9	B1/1000		
BH (60°-80°)	297.6	5.4	B1/500		G1/500
BVH (80°-90°)	23.9	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





REPORT NUMBER: P630241
 CATALOG NUMBER: GWS-SA1D-730-U-T2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	638.9	638.9	638.9	638.9	638.9	638.9	638.9	638.9	638.9	638.9	638.9
2.5°	707.8	706.6	707.4	706.6	702.2	691.5	682.8	671.8	664.2	659.9	649.6
5°	790.9	789.7	786.9	783.0	775.1	760.4	738.6	714.5	699.9	688.8	667.0
7.5°	850.7	850.7	850.3	845.5	840.0	824.5	798.8	767.1	745.8	726.8	691.1
10°	881.2	883.1	885.9	892.6	891.4	883.1	859.0	824.9	798.0	775.9	722.8
12.5°	897.8	899.0	903.7	917.6	931.8	933.8	919.5	883.9	854.6	824.9	758.0
15°	919.2	919.5	925.9	942.5	963.5	984.5	980.9	945.3	915.2	882.3	797.2
17.5°	935.8	938.6	950.0	969.4	995.6	1024.4	1041.9	1019.7	982.5	944.9	840.0
20°	941.7	943.7	958.7	988.4	1024.1	1064.8	1103.6	1097.7	1060.1	1015.7	888.3
22.5°	963.1	963.1	974.2	999.1	1041.1	1100.5	1163.4	1178.8	1145.6	1093.7	940.1
25°	1010.2	1008.6	1013.8	1024.1	1055.7	1129.0	1222.4	1268.7	1231.5	1173.3	992.0
27.5°	1074.7	1073.9	1073.5	1075.1	1085.8	1153.9	1272.2	1352.6	1315.4	1249.7	1038.3
30°	1144.8	1142.4	1147.6	1142.8	1140.4	1183.6	1314.6	1427.8	1398.9	1325.3	1076.7
32.5°	1240.2	1235.8	1234.6	1219.2	1209.7	1229.9	1348.6	1513.3	1490.4	1406.8	1119.8
35°	1366.1	1362.1	1341.9	1317.4	1289.3	1298.8	1391.0	1596.8	1598.4	1509.0	1176.5
37.5°	1493.1	1493.9	1478.1	1420.3	1391.4	1385.9	1455.5	1698.6	1732.6	1630.9	1249.7
40°	1598.8	1603.6	1603.6	1542.6	1499.5	1494.3	1546.2	1819.3	1887.0	1780.5	1342.3
42.5°	1679.2	1683.5	1697.4	1653.4	1607.9	1625.7	1656.2	1940.4	2062.0	1965.4	1459.5
45°	1767.5	1771.0	1778.5	1753.2	1726.7	1774.2	1780.9	2085.3	2262.3	2172.8	1595.7
47.5°	1884.6	1881.5	1882.2	1863.6	1843.1	1919.9	1918.3	2207.2	2455.8	2400.0	1743.3
50°	2030.3	2036.2	2030.7	1993.9	1969.7	2039.8	2048.9	2342.2	2626.0	2624.9	1892.1
52.5°	2170.4	2172.8	2202.1	2203.7	2154.2	2139.5	2163.3	2478.4	2769.7	2830.7	2035.0
55°	2177.5	2186.7	2274.5	2337.9	2417.8	2300.3	2278.9	2608.2	2908.7	3032.2	2183.5
57.5°	2025.9	2040.6	2189.8	2326.4	2548.9	2576.2	2476.8	2776.1	3047.6	3230.5	2355.3
60°	1702.1	1732.6	1935.3	2144.3	2489.9	2774.5	2881.8	3004.1	3230.1	3433.2	2563.9
62.5°	1087.0	1098.9	1383.1	1733.0	2224.3	2755.1	3322.7	3405.9	3508.0	3697.2	2885.3
65°	544.3	582.3	748.9	1034.3	1604.0	2427.7	3545.6	4141.7	4016.6	4149.3	3406.3
67.5°	369.3	381.6	465.9	621.5	940.5	1719.9	3407.4	4761.6	4724.8	4746.6	3961.6
70°	272.3	280.3	346.8	440.2	568.8	976.6	2712.7	4714.9	4966.3	4958.4	3903.4
72.5°	198.7	202.7	252.9	336.1	421.6	505.1	1656.6	3808.8	4335.3	4563.7	3413.8
75°	144.5	149.2	175.8	251.4	327.8	315.1	817.8	2751.1	3306.1	3745.5	2781.2
77.5°	107.7	113.6	125.9	157.5	229.6	225.6	353.5	1786.5	2138.4	2446.3	1689.5
80°	77.6	78.8	85.9	100.9	145.7	132.2	168.2	931.4	1068.0	1170.1	662.2
82.5°	47.1	48.3	57.4	62.1	90.3	83.1	87.5	301.6	432.3	458.8	247.4
85°	13.9	14.6	26.1	28.5	37.6	35.6	35.2	122.7	146.5	187.2	97.4
87.5°	0.0	0.0	0.0	0.0	0.4	2.4	4.4	21.8	32.9	45.5	23.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P630241
 CATALOG NUMBER: GWS-SA1D-730-U-T2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	638.9	638.9	638.9	638.9	638.9	638.9	638.9	638.9	638.9	638.9	638.9
2.5°	645.6	636.5	631.8	623.5	617.5	611.6	605.6	600.1	597.7	594.2	595.0
5°	657.1	642.9	628.6	612.4	598.5	587.0	576.7	567.6	563.7	560.1	561.7
7.5°	674.5	653.1	625.8	596.1	574.4	558.5	547.9	541.5	539.5	536.8	536.8
10°	696.7	664.6	616.7	574.4	548.2	535.6	530.8	530.4	532.4	532.8	532.0
12.5°	721.2	675.7	603.3	548.6	526.5	522.5	526.1	532.8	539.5	543.1	542.3
15°	746.6	682.8	580.3	524.1	510.6	515.8	527.3	540.7	553.8	560.5	560.1
17.5°	770.3	684.4	550.6	500.3	496.8	509.8	529.6	550.6	568.4	577.9	578.3
20°	796.8	681.6	520.1	479.0	482.9	504.3	530.4	555.8	576.7	586.2	588.6
22.5°	821.0	672.1	490.5	458.8	471.1	497.6	524.1	547.9	566.5	575.6	578.7
25°	842.8	653.9	458.0	441.8	462.0	488.1	508.3	524.9	538.0	543.5	547.9
27.5°	854.6	626.6	433.5	428.3	453.2	474.6	485.7	490.8	495.2	493.6	496.8
30°	857.0	592.6	412.1	417.6	440.2	456.0	458.4	453.2	445.7	433.5	436.2
32.5°	854.6	553.4	394.3	406.1	425.5	435.0	431.9	418.4	400.2	381.2	382.4
35°	855.4	513.8	379.6	393.5	408.5	413.7	405.7	387.1	367.7	350.3	349.5
37.5°	864.1	480.6	367.3	381.2	391.9	392.7	384.0	364.6	354.7	341.6	340.0
40°	888.3	456.0	356.3	368.9	375.7	375.3	365.4	351.5	358.2	353.9	352.7
42.5°	927.9	441.0	347.2	355.9	360.6	361.4	353.5	344.8	359.4	353.9	351.9
45°	991.6	440.2	340.8	342.8	350.3	355.9	350.3	340.4	346.0	319.1	313.9
47.5°	1067.2	453.6	336.1	331.3	344.4	354.3	345.6	329.7	318.3	293.7	290.2
50°	1158.2	481.0	331.7	319.1	335.7	348.3	339.6	317.9	300.4	287.4	285.4
52.5°	1266.3	517.0	326.2	305.2	322.6	345.2	339.6	316.7	293.7	281.8	279.9
55°	1379.5	558.5	319.8	288.6	308.0	346.0	342.4	308.4	288.6	282.2	280.7
57.5°	1520.0	608.4	308.4	269.2	294.9	338.8	331.3	303.6	285.0	279.9	278.3
60°	1702.5	682.4	286.6	249.4	279.9	326.2	321.4	295.7	275.5	271.2	270.0
62.5°	1991.5	807.9	260.1	230.4	262.0	299.7	306.8	280.7	263.6	263.2	262.8
65°	2462.6	958.7	228.8	213.4	243.4	277.9	287.4	265.2	251.4	255.7	255.3
67.5°	2792.7	971.8	203.1	195.5	221.7	254.1	268.0	249.4	234.3	242.7	242.3
70°	2558.0	758.0	180.9	176.9	198.3	228.4	247.0	229.6	214.5	222.5	220.9
72.5°	2157.4	581.1	159.9	157.5	174.6	201.5	220.1	209.8	194.0	194.0	190.4
75°	1733.8	479.4	137.8	136.6	148.0	174.2	195.2	177.7	163.1	162.3	159.9
77.5°	994.4	314.3	115.6	114.8	118.4	145.7	151.6	148.0	137.0	131.8	130.2
80°	396.2	163.5	91.0	85.9	89.5	106.9	119.5	113.6	104.1	97.8	94.2
82.5°	153.6	81.9	64.1	56.2	61.4	77.2	86.7	84.7	78.4	64.1	60.2
85°	62.5	40.0	38.4	32.5	35.6	41.6	49.9	43.1	35.6	25.3	24.1
87.5°	16.6	14.6	14.3	8.7	6.7	2.0	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)