

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: P630310

Luminaire Tested: GWS-SA1D-735-U-T4FT-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630310
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-54)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-735-U-T4FT-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5776.8 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

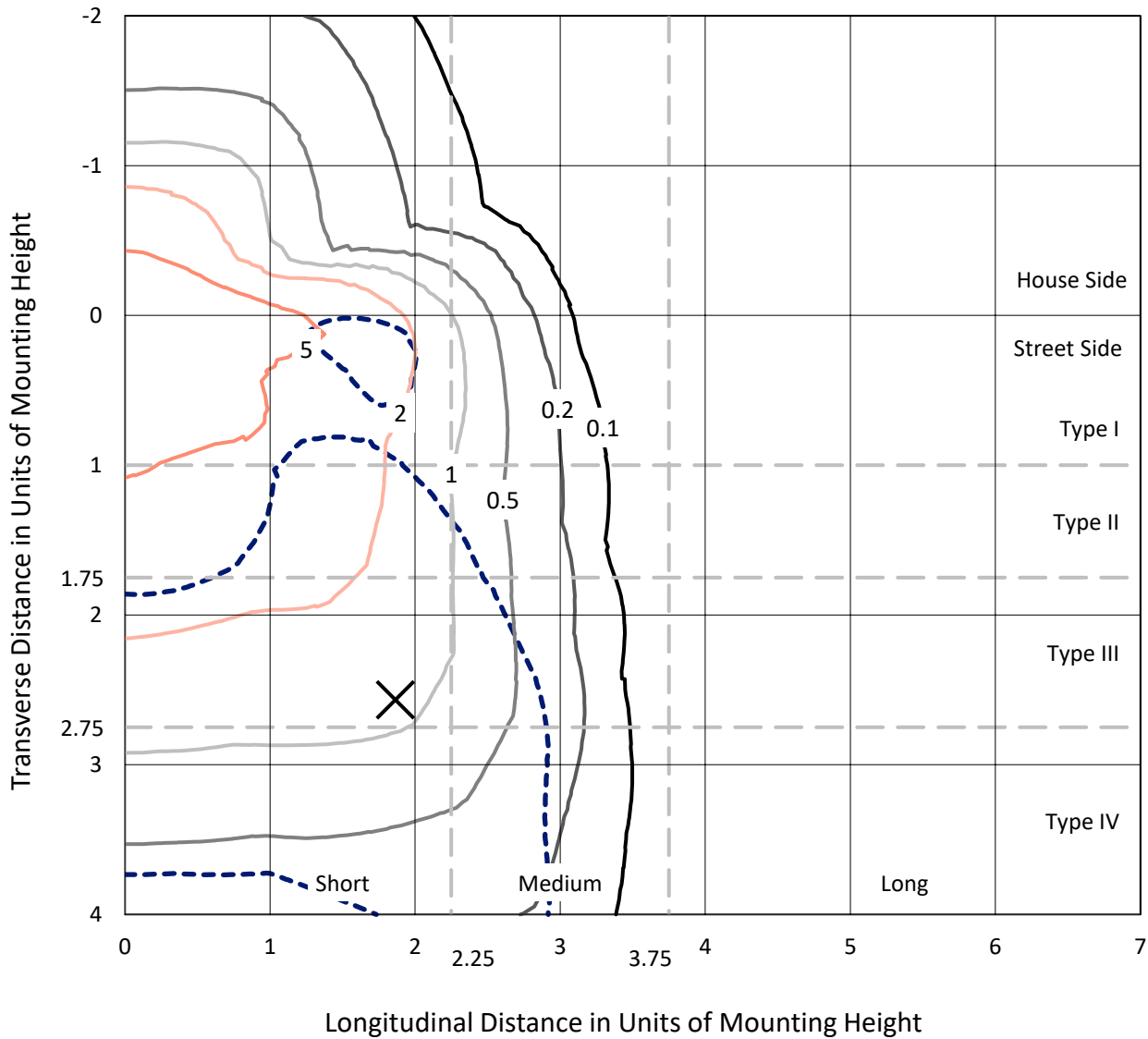
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

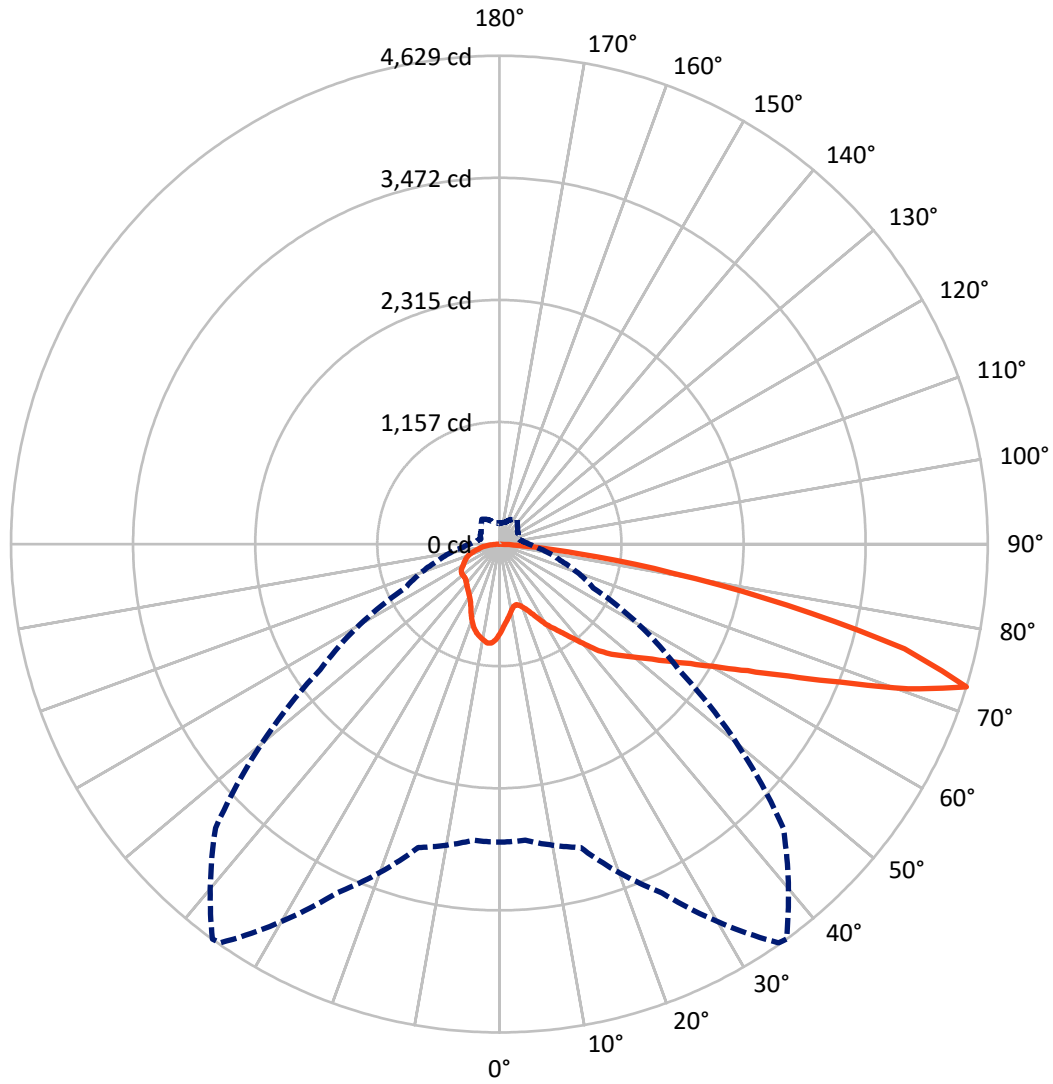
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 36-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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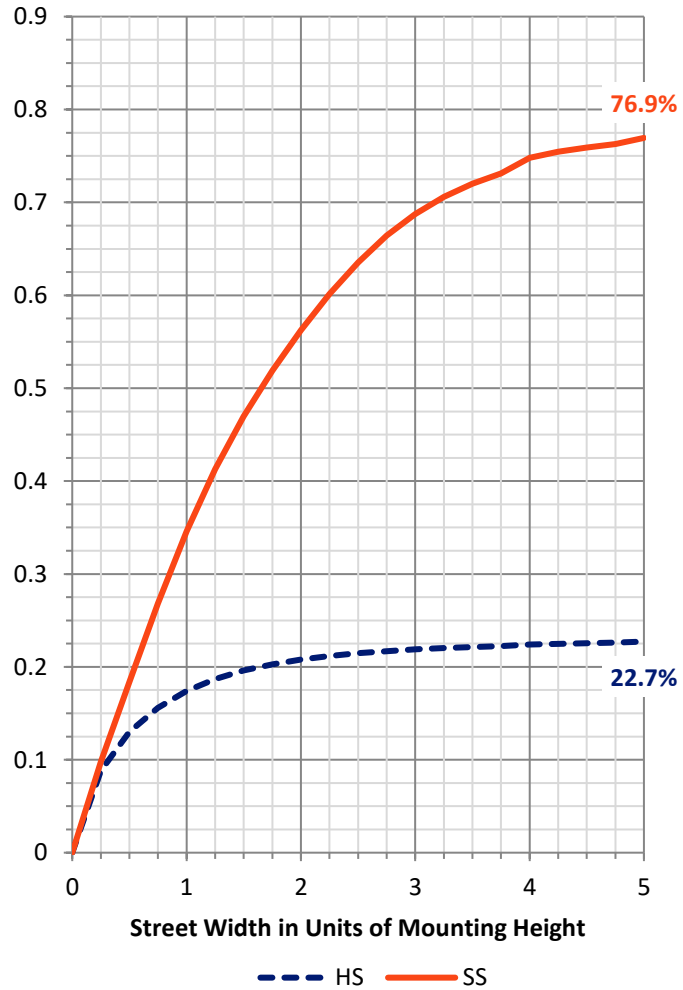
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1331.8	0.0	1331.8
	% Fixture	23.1	0.0	23.1
Street Side	Lumens	4445.0	0.0	4445.0
	% Fixture	76.9	0.0	76.9
Total	Lumens	5776.8	0.0	5776.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.0	1.4
10°-20°	223.0	3.9
20°-30°	369.3	6.4
30°-40°	553.0	9.6
40°-50°	806.8	14.0
50°-60°	1148.3	19.9
60°-70°	1450.8	25.1
70°-80°	1033.8	17.9
80°-90°	112.9	2.0
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°	5776.8	100.0
0°-180°	5776.8	100.0

Coefficient of Utilization



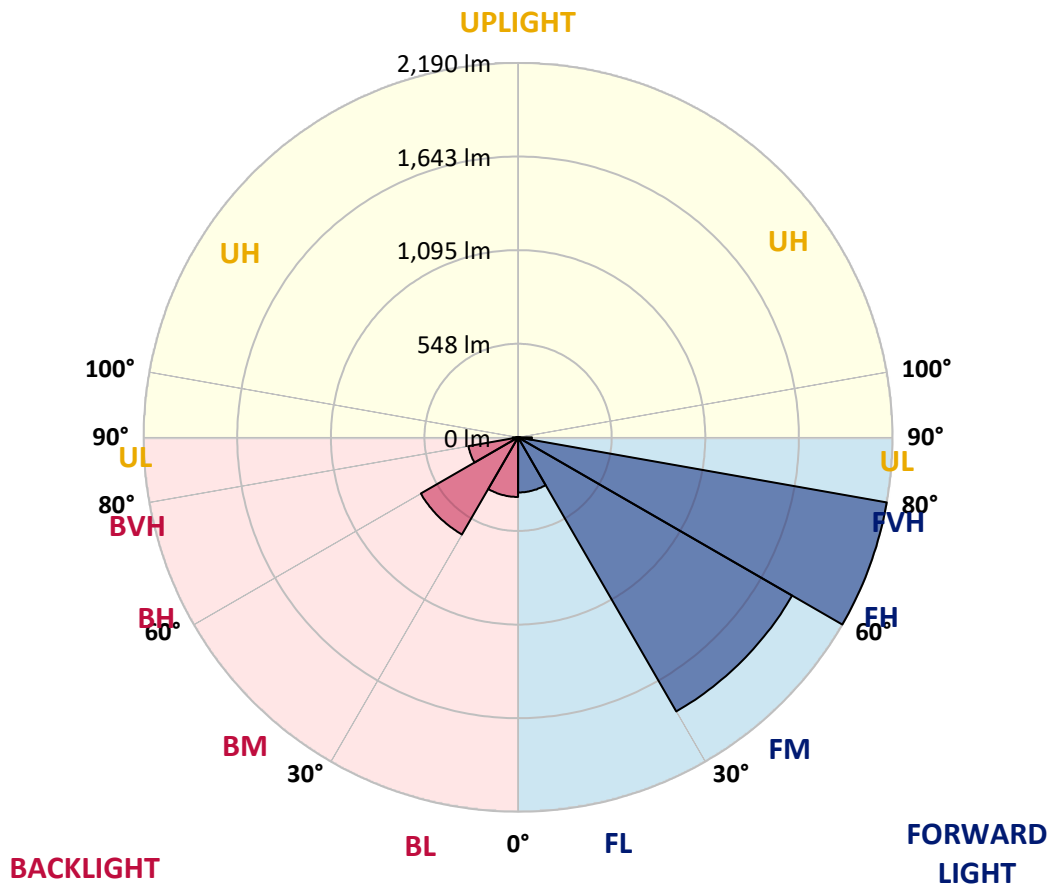
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	322.5	5.6			
FM (30°-60°)	1851.3	32.0			
FH (60°-80°)	2190.2	37.9			G2/5000
FVH (80°-90°)	81.0	1.4			G1/100
BL (0°-30°)	348.8	6.0	B1/500		
BM (30°-60°)	656.8	11.4	B1/1000		
BH (60°-80°)	294.4	5.1	B1/500		G1/500
BVH (80°-90°)	31.9	0.6			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5
2.5°	771.3	770.0	767.4	775.1	782.9	782.0	792.7	803.0	814.2	825.7	841.2
5°	709.6	708.7	706.6	718.1	729.7	729.3	746.9	763.6	786.3	811.2	842.0
7.5°	647.8	645.7	648.7	663.2	679.5	681.3	705.3	732.7	765.7	803.0	846.7
10°	593.4	592.9	594.2	610.5	635.0	636.7	667.5	705.7	749.4	799.2	857.5
12.5°	579.2	578.4	574.9	583.1	601.5	604.1	638.0	684.7	738.3	801.3	872.0
15°	602.4	600.2	588.2	584.4	593.4	595.5	624.2	672.3	731.8	805.2	890.5
17.5°	642.2	641.0	618.2	602.4	608.4	610.1	631.5	670.1	730.1	812.9	913.2
20°	700.5	695.0	659.4	635.4	635.4	638.0	650.8	679.5	732.3	822.3	938.9
22.5°	777.7	766.6	716.4	683.8	675.3	678.7	684.3	703.1	741.3	838.2	971.1
25°	864.3	854.0	794.4	748.6	736.6	737.8	733.1	736.6	761.0	860.0	1011.0
27.5°	956.5	949.6	886.2	827.9	809.0	809.0	792.3	784.2	788.4	884.9	1055.5
30°	1038.8	1029.4	975.8	911.9	887.0	887.0	855.3	837.7	827.5	915.3	1115.1
32.5°	1082.1	1076.5	1041.0	992.1	961.6	956.9	929.5	908.9	884.9	960.4	1195.7
35°	1138.7	1137.4	1116.0	1077.8	1039.2	1032.4	1013.5	997.2	955.6	1016.5	1302.9
37.5°	1209.9	1207.7	1204.3	1181.6	1135.3	1134.0	1117.3	1097.6	1043.5	1097.6	1432.8
40°	1289.6	1285.8	1281.5	1281.1	1253.2	1248.5	1247.2	1224.9	1149.4	1195.3	1568.3
42.5°	1399.4	1386.1	1345.8	1363.8	1384.4	1380.1	1396.4	1362.9	1281.5	1311.5	1696.5
45°	1534.4	1501.9	1422.1	1427.3	1479.1	1487.7	1544.3	1536.1	1426.8	1445.7	1831.5
47.5°	1615.5	1587.2	1513.0	1508.7	1573.4	1584.2	1707.2	1722.6	1583.3	1607.3	1998.3
50°	1681.9	1662.2	1601.3	1607.3	1675.9	1686.6	1868.8	1901.9	1730.8	1772.8	2192.1
52.5°	1762.1	1733.8	1686.6	1714.9	1799.0	1811.8	2048.5	2084.1	1863.7	1954.6	2392.8
55°	1807.1	1795.5	1796.4	1839.7	1945.2	1962.7	2236.7	2230.7	1985.5	2110.2	2543.7
57.5°	1910.9	1906.6	1946.0	1962.3	2115.8	2138.5	2424.9	2373.5	2096.1	2230.7	2616.1
60°	2093.9	2083.2	2117.5	2142.4	2326.7	2358.9	2635.0	2513.2	2171.1	2320.3	2591.7
62.5°	2351.2	2337.9	2339.2	2378.6	2609.3	2643.1	2868.6	2629.8	2194.3	2334.0	2436.9
65°	2671.0	2651.7	2629.8	2683.4	2984.4	3012.7	3122.9	2714.7	2138.9	2202.0	2113.7
67.5°	3008.4	2992.6	2966.8	3079.2	3470.2	3487.3	3408.0	2707.4	1963.6	1848.7	1482.6
70°	3028.1	3032.0	3153.8	3560.2	4104.3	4108.5	3677.7	2560.8	1590.2	1198.3	738.7
72.5°	2824.9	2818.5	2977.1	3648.1	4614.4	4629.0	3805.0	2074.6	982.7	597.7	346.4
75°	2294.6	2305.7	2472.5	3191.9	3955.1	3967.9	3101.9	1223.2	466.9	292.4	221.7
77.5°	987.8	1050.0	1378.8	2248.7	2832.6	2792.8	1598.7	495.6	249.1	208.4	169.8
80°	285.1	309.5	491.3	1069.3	1697.4	1667.3	632.8	185.6	173.6	156.5	121.8
82.5°	92.2	102.0	180.1	425.7	760.6	759.7	240.1	109.8	113.6	106.3	78.5
85°	25.7	29.6	55.3	129.0	235.4	230.7	69.5	51.9	60.5	61.3	39.0
87.5°	0.0	0.0	0.4	0.9	0.9	0.9	1.7	7.7	17.6	22.3	15.9
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°	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5	845.5
2.5°	850.6	849.3	866.9	880.6	893.5	902.1	904.6	906.3	909.8	911.5	909.8
5°	856.6	863.0	892.2	913.6	930.8	941.1	941.5	940.6	943.2	941.1	939.8
7.5°	869.5	881.9	918.8	941.5	952.6	953.1	942.8	930.8	924.8	919.6	917.9
10°	886.6	905.1	945.4	960.4	956.9	941.1	918.3	899.5	888.8	881.0	879.3
12.5°	910.2	930.8	968.9	968.5	947.1	918.8	892.2	869.5	854.0	845.0	842.0
15°	932.5	958.6	986.1	965.9	932.1	897.8	863.5	833.0	812.4	798.3	795.7
17.5°	959.9	987.8	998.5	957.8	913.2	869.0	823.2	783.3	755.4	738.7	737.4
20°	991.7	1016.5	1004.5	943.6	888.8	830.9	768.7	724.1	694.1	677.8	679.1
22.5°	1028.5	1046.5	1006.2	924.3	854.9	776.9	707.4	664.5	644.4	635.8	636.2
25°	1068.0	1079.5	1003.2	898.2	803.0	710.8	644.4	624.7	622.9	620.8	621.7
27.5°	1114.7	1112.1	994.2	861.3	733.1	634.1	600.2	605.4	612.2	611.4	612.2
30°	1177.3	1152.9	982.7	810.3	650.0	569.8	574.1	588.6	597.7	598.5	601.1
32.5°	1248.9	1197.9	964.2	740.8	570.6	533.8	549.6	567.2	577.9	580.1	583.5
35°	1334.2	1249.3	931.6	654.2	513.6	512.3	526.9	538.9	550.5	551.4	551.4
37.5°	1432.4	1300.8	879.8	558.6	478.5	493.9	507.6	510.2	513.2	510.6	511.9
40°	1522.4	1350.5	806.0	471.6	449.7	477.6	489.2	480.6	471.2	464.7	466.0
42.5°	1597.9	1384.4	708.3	410.7	420.6	463.0	472.0	454.5	436.0	424.0	425.7
45°	1682.8	1415.7	593.4	369.6	395.7	452.7	458.7	436.0	412.4	394.4	391.9
47.5°	1799.8	1479.6	491.3	340.8	378.1	447.2	457.0	426.2	395.3	368.3	365.3
50°	1944.3	1570.0	406.0	322.0	370.0	444.2	456.6	415.4	378.6	346.8	344.7
52.5°	2102.1	1658.3	343.0	307.4	361.9	435.2	454.5	403.4	361.0	326.7	324.1
55°	2207.1	1693.1	300.5	293.7	348.6	421.0	445.9	391.9	334.4	303.1	299.3
57.5°	2238.0	1648.5	271.0	281.2	331.4	401.3	429.6	367.4	318.1	293.3	290.3
60°	2184.8	1536.1	252.5	271.0	312.5	376.0	401.3	353.3	305.3	283.0	280.8
62.5°	2034.8	1362.9	238.4	260.2	293.3	349.4	383.3	336.1	291.1	273.5	270.5
65°	1732.9	1117.7	226.8	249.1	274.8	324.1	363.6	319.0	275.7	262.4	259.0
67.5°	1212.0	785.0	214.4	235.8	256.4	299.7	343.0	303.1	259.8	250.0	246.5
70°	592.5	416.3	199.4	220.4	236.7	274.8	322.4	283.8	238.8	233.2	228.5
72.5°	282.1	232.8	181.8	199.4	209.7	241.8	288.1	256.0	213.9	201.9	193.8
75°	189.1	165.5	158.6	174.5	177.1	202.8	246.9	220.8	188.6	174.9	168.1
77.5°	143.2	126.5	133.3	147.5	142.3	166.8	203.2	196.8	170.2	157.8	154.3
80°	100.8	92.2	105.9	114.5	110.6	141.9	183.1	168.5	140.2	126.5	123.9
82.5°	63.5	61.7	78.0	79.3	80.6	112.3	150.5	132.5	108.9	89.6	83.2
85°	31.7	35.2	46.7	46.7	46.3	57.9	85.7	74.6	58.7	46.7	45.4
87.5°	10.7	15.0	20.2	16.3	12.4	9.9	11.1	13.7	14.6	14.1	14.1
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)