

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: P630131

Luminaire Tested: GWS-SA1D-722-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630131
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-722-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4431.5 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

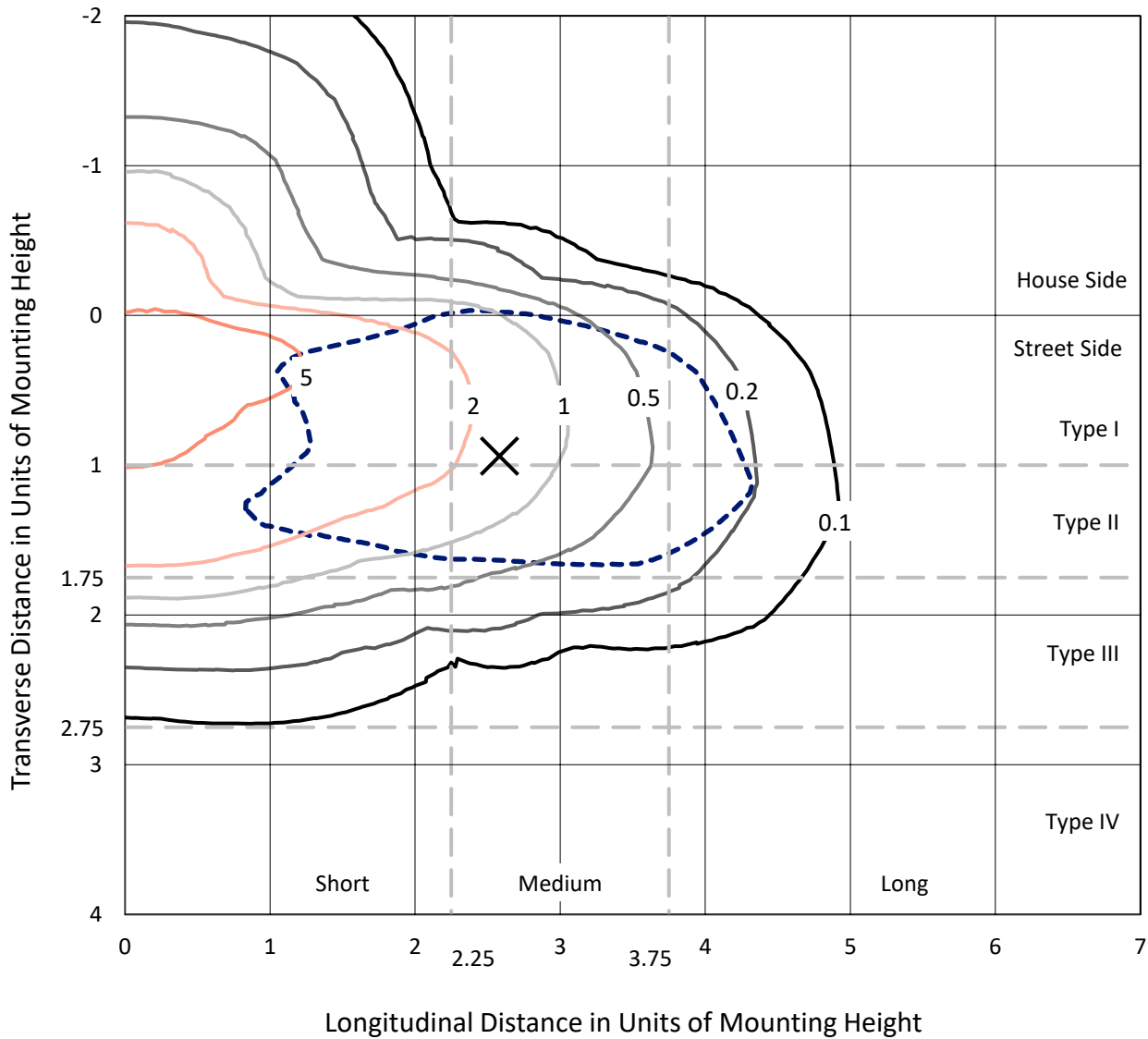
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

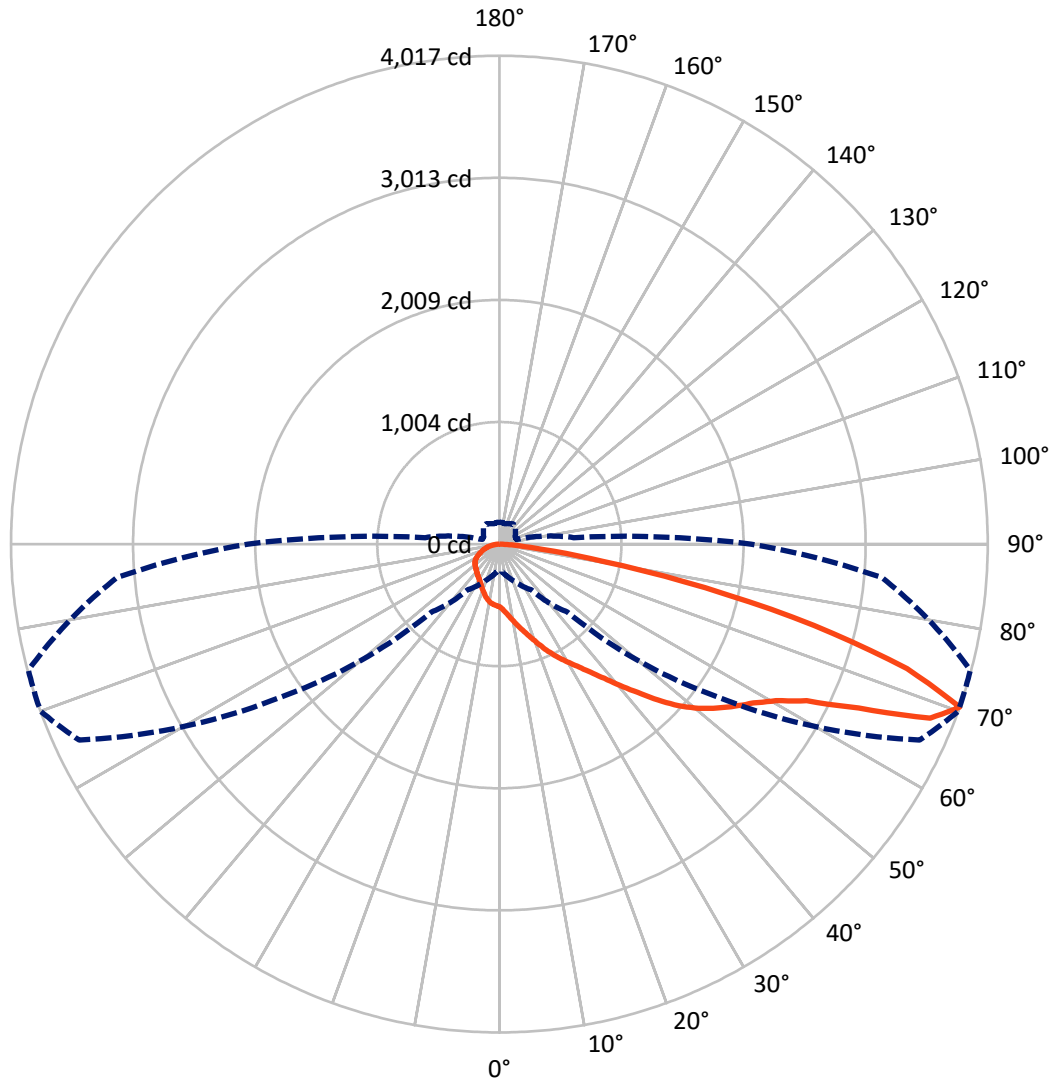
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 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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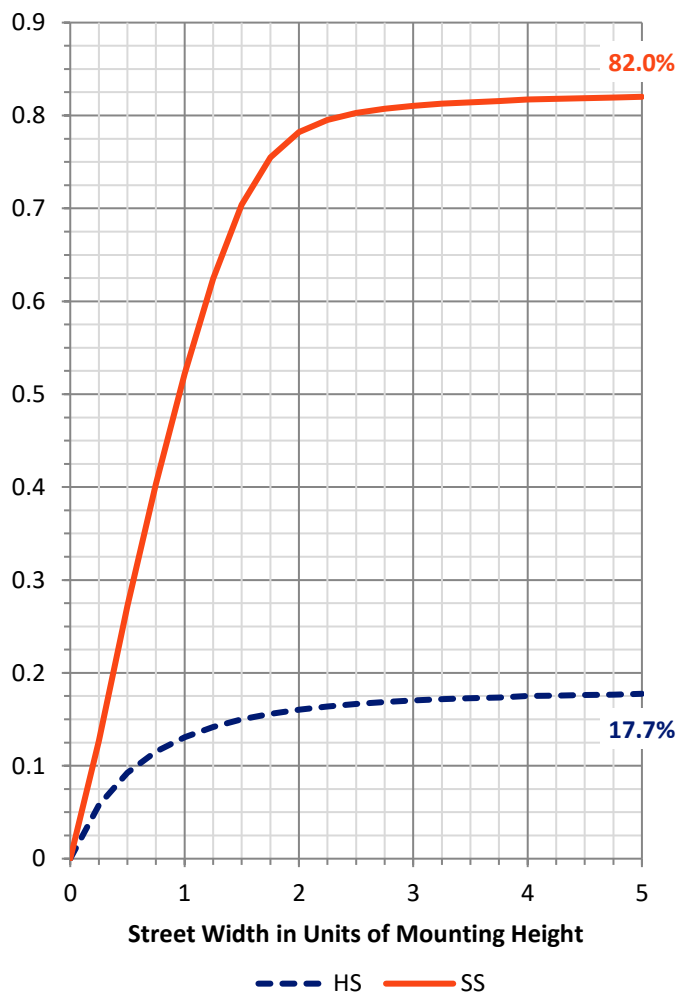
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	794.1	0.0	794.1
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	3637.4	0.0	3637.4
	% Fixture	82.1	0.0	82.1
Total	Lumens	4431.5	0.0	4431.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.5	1.2
10°-20°	170.9	3.9
20°-30°	302.7	6.8
30°-40°	455.6	10.3
40°-50°	689.2	15.6
50°-60°	987.4	22.3
60°-70°	1091.4	24.6
70°-80°	615.9	13.9
80°-90°	65.9	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°	4431.5	100.0
0°-180°	4431.5	100.0

Coefficient of Utilization



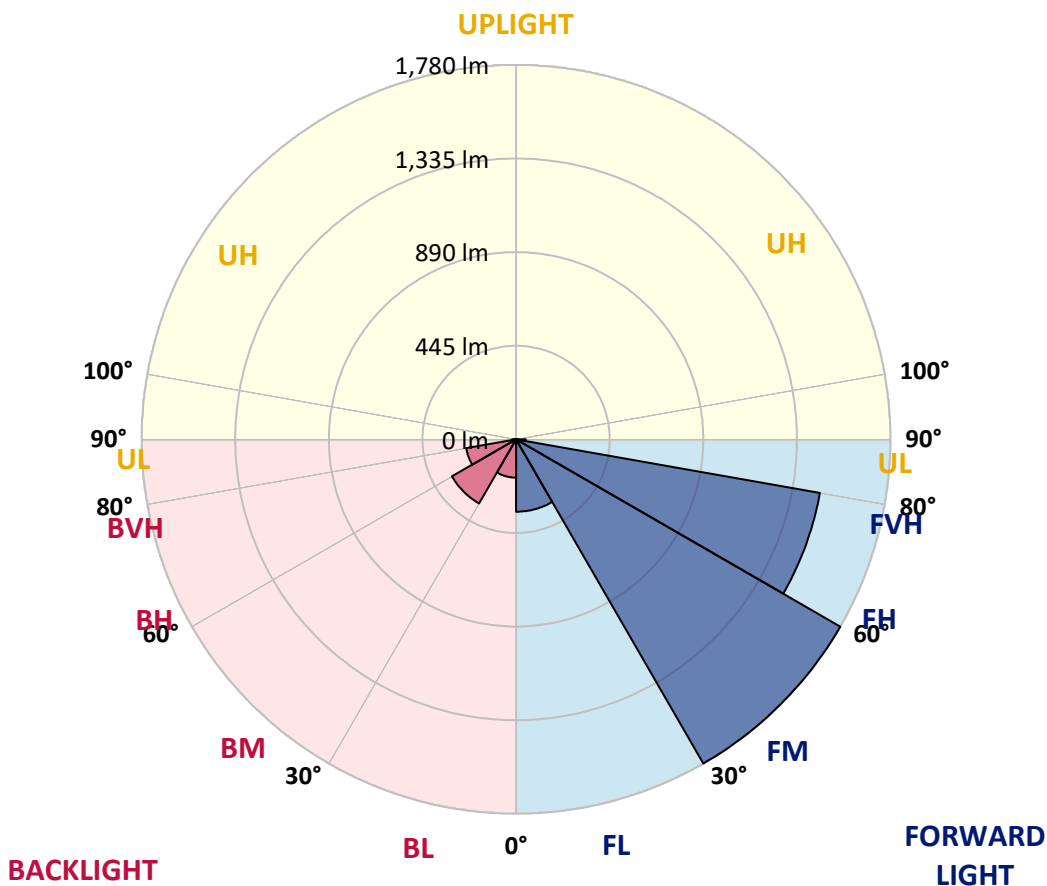
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	344.0	7.8			
FM (30°-60°)	1780.1	40.2			
FH (60°-80°)	1466.6	33.1			G1/1800
FVH (80°-90°)	46.6	1.1			G1/100
BL (0°-30°)	182.1	4.1	B1/500		
BM (30°-60°)	352.0	7.9	B1/1000		
BH (60°-80°)	240.7	5.4	B1/500		G1/500
BVH (80°-90°)	19.3	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-G1
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	516.8	516.8	516.8	516.8	516.8	516.8	516.8	516.8	516.8	516.8	516.8
2.5°	572.5	571.6	572.2	571.6	568.0	559.4	552.3	543.4	537.3	533.8	525.5
5°	639.8	638.8	636.6	633.4	627.0	615.1	597.5	578.0	566.1	557.2	539.5
7.5°	688.1	688.1	687.8	683.9	679.5	667.0	646.2	620.5	603.3	587.9	559.1
10°	712.8	714.4	716.6	722.1	721.1	714.4	694.8	667.3	645.5	627.6	584.7
12.5°	726.2	727.2	731.0	742.2	753.8	755.4	743.8	715.0	691.3	667.3	613.2
15°	743.5	743.8	749.0	762.4	779.4	796.3	793.5	764.6	740.3	713.7	644.9
17.5°	757.0	759.2	768.5	784.2	805.3	828.7	842.8	824.8	794.7	764.3	679.5
20°	761.8	763.4	775.5	799.5	828.4	861.3	892.7	887.9	857.5	821.6	718.5
22.5°	779.0	779.0	788.0	808.2	842.1	890.2	941.1	953.6	926.7	884.7	760.5
25°	817.2	815.9	820.0	828.4	854.0	913.2	988.8	1026.2	996.1	949.1	802.4
27.5°	869.3	868.7	868.4	869.7	878.3	933.4	1029.1	1094.1	1064.0	1010.9	839.9
30°	926.0	924.1	928.3	924.4	922.5	957.4	1063.4	1155.0	1131.6	1072.0	870.9
32.5°	1003.2	999.7	998.7	986.2	978.5	994.9	1090.9	1224.1	1205.6	1138.0	905.8
35°	1105.0	1101.8	1085.5	1065.6	1042.9	1050.6	1125.2	1291.7	1293.0	1220.6	951.6
37.5°	1207.8	1208.4	1195.6	1148.9	1125.5	1121.0	1177.4	1374.0	1401.5	1319.2	1010.9
40°	1293.3	1297.1	1297.1	1247.8	1212.9	1208.8	1250.7	1471.6	1526.4	1440.3	1085.8
42.5°	1358.3	1361.8	1373.0	1337.5	1300.7	1315.1	1339.7	1569.6	1667.9	1589.8	1180.6
45°	1429.7	1432.6	1438.7	1418.2	1396.7	1435.1	1440.6	1686.8	1829.9	1757.6	1290.7
47.5°	1524.5	1521.9	1522.6	1507.5	1490.9	1553.0	1551.7	1785.4	1986.5	1941.4	1410.2
50°	1642.3	1647.1	1642.6	1612.9	1593.3	1650.0	1657.4	1894.6	2124.2	2123.3	1530.6
52.5°	1755.7	1757.6	1781.3	1782.6	1742.5	1730.7	1749.9	2004.8	2240.4	2289.8	1646.2
55°	1761.4	1768.8	1839.9	1891.1	1955.8	1860.7	1843.4	2109.8	2352.8	2452.7	1766.2
57.5°	1638.8	1650.6	1771.4	1881.8	2061.8	2083.9	2003.5	2245.6	2465.2	2613.2	1905.2
60°	1376.9	1401.5	1565.5	1734.5	2014.1	2244.3	2331.1	2430.0	2612.8	2777.1	2073.9
62.5°	879.3	888.9	1118.8	1401.8	1799.2	2228.6	2687.8	2755.0	2837.6	2990.7	2333.9
65°	440.3	471.0	605.8	836.7	1297.5	1963.8	2868.0	3350.3	3249.1	3356.3	2755.3
67.5°	298.7	308.7	376.9	502.7	760.8	1391.3	2756.3	3851.7	3821.9	3839.5	3204.6
70°	220.3	226.7	280.5	356.1	460.1	789.9	2194.3	3813.9	4017.2	4010.8	3157.5
72.5°	160.7	163.9	204.6	271.9	341.0	408.6	1340.0	3081.0	3506.8	3691.6	2761.4
75°	116.9	120.7	142.2	203.3	265.1	254.9	661.5	2225.4	2674.3	3029.7	2249.7
77.5°	87.1	91.9	101.8	127.4	185.7	182.5	285.9	1445.1	1729.7	1978.8	1366.6
80°	62.8	63.7	69.5	81.7	117.8	106.9	136.1	753.4	863.9	946.5	535.7
82.5°	38.1	39.1	46.4	50.3	73.0	67.2	70.8	244.0	349.7	371.1	200.1
85°	11.2	11.8	21.1	23.1	30.4	28.8	28.5	99.3	118.5	151.5	78.8
87.5°	0.0	0.0	0.0	0.0	0.3	1.9	3.5	17.6	26.6	36.8	19.2
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°	516.8	516.8	516.8	516.8	516.8	516.8	516.8	516.8	516.8	516.8	516.8
2.5°	522.2	514.9	511.0	504.3	499.5	494.7	489.9	485.4	483.5	480.6	481.3
5°	531.5	520.0	508.5	495.4	484.1	474.9	466.5	459.2	456.0	453.1	454.4
7.5°	545.6	528.3	506.2	482.2	464.6	451.8	443.2	438.0	436.4	434.2	434.2
10°	563.6	537.6	498.9	464.6	443.5	433.2	429.4	429.1	430.7	431.0	430.4
12.5°	583.4	546.6	488.0	443.8	425.9	422.7	425.5	431.0	436.4	439.3	438.7
15°	603.9	552.3	469.4	423.9	413.1	417.2	426.5	437.4	448.0	453.4	453.1
17.5°	623.1	553.6	445.4	404.7	401.9	412.4	428.4	445.4	459.8	467.5	467.8
20°	644.6	551.4	420.7	387.4	390.6	407.9	429.1	449.6	466.5	474.2	476.1
22.5°	664.1	543.7	396.7	371.1	381.0	402.5	423.9	443.2	458.2	465.6	468.1
25°	681.7	529.0	370.5	357.3	373.7	394.8	411.1	424.6	435.2	439.6	443.2
27.5°	691.3	506.9	350.6	346.5	366.6	383.9	392.9	397.0	400.6	399.3	401.9
30°	693.2	479.3	333.3	337.8	356.1	368.9	370.8	366.6	360.5	350.6	352.9
32.5°	691.3	447.6	318.9	328.5	344.2	351.9	349.3	338.5	323.7	308.4	309.3
35°	692.0	415.6	307.1	318.3	330.4	334.6	328.2	313.2	297.5	283.4	282.7
37.5°	699.0	388.7	297.1	308.4	317.0	317.6	310.6	294.9	286.9	276.3	275.1
40°	718.5	368.9	288.2	298.4	303.9	303.6	295.5	284.3	289.8	286.3	285.3
42.5°	750.6	356.7	280.8	287.9	291.7	292.3	285.9	278.9	290.7	286.3	284.7
45°	802.1	356.1	275.7	277.3	283.4	287.9	283.4	275.4	279.9	258.1	253.9
47.5°	863.3	367.0	271.9	268.0	278.6	286.6	279.5	266.7	257.4	237.6	234.7
50°	936.9	389.0	268.3	258.1	271.5	281.8	274.7	257.1	243.0	232.5	230.9
52.5°	1024.3	418.2	263.8	246.9	261.0	279.2	274.7	256.2	237.6	228.0	226.4
55°	1115.9	451.8	258.7	233.4	249.1	279.9	277.0	249.4	233.4	228.3	227.0
57.5°	1229.6	492.1	249.4	217.7	238.5	274.1	268.0	245.6	230.5	226.4	225.1
60°	1377.2	552.0	231.8	201.7	226.4	263.8	260.0	239.2	222.9	219.3	218.4
62.5°	1610.9	653.5	210.4	186.4	212.0	242.4	248.2	227.0	213.3	212.9	212.6
65°	1992.0	775.5	185.1	172.6	196.9	224.8	232.5	214.5	203.3	206.8	206.5
67.5°	2259.0	786.1	164.3	158.2	179.3	205.6	216.8	201.7	189.6	196.3	196.0
70°	2069.1	613.2	146.3	143.1	160.4	184.8	199.8	185.7	173.5	180.0	178.7
72.5°	1745.1	470.1	129.4	127.4	141.2	163.0	178.0	169.7	156.9	156.9	154.0
75°	1402.5	387.8	111.4	110.5	119.8	140.9	157.9	143.8	131.9	131.3	129.4
77.5°	804.3	254.2	93.5	92.9	95.7	117.8	122.6	119.8	110.8	106.6	105.3
80°	320.5	132.2	73.6	69.5	72.4	86.5	96.7	91.9	84.2	79.1	76.2
82.5°	124.2	66.3	51.9	45.5	49.6	62.4	70.1	68.5	63.4	51.9	48.7
85°	50.6	32.3	31.1	26.3	28.8	33.6	40.3	34.9	28.8	20.5	19.5
87.5°	13.4	11.8	11.5	7.0	5.4	1.6	0.3	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)