

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: P630283

Luminaire Tested: GWS-SA1D-735-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630283
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-735-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5743.8 lumens
Efficiency: N/A
Efficacy: 129.7 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

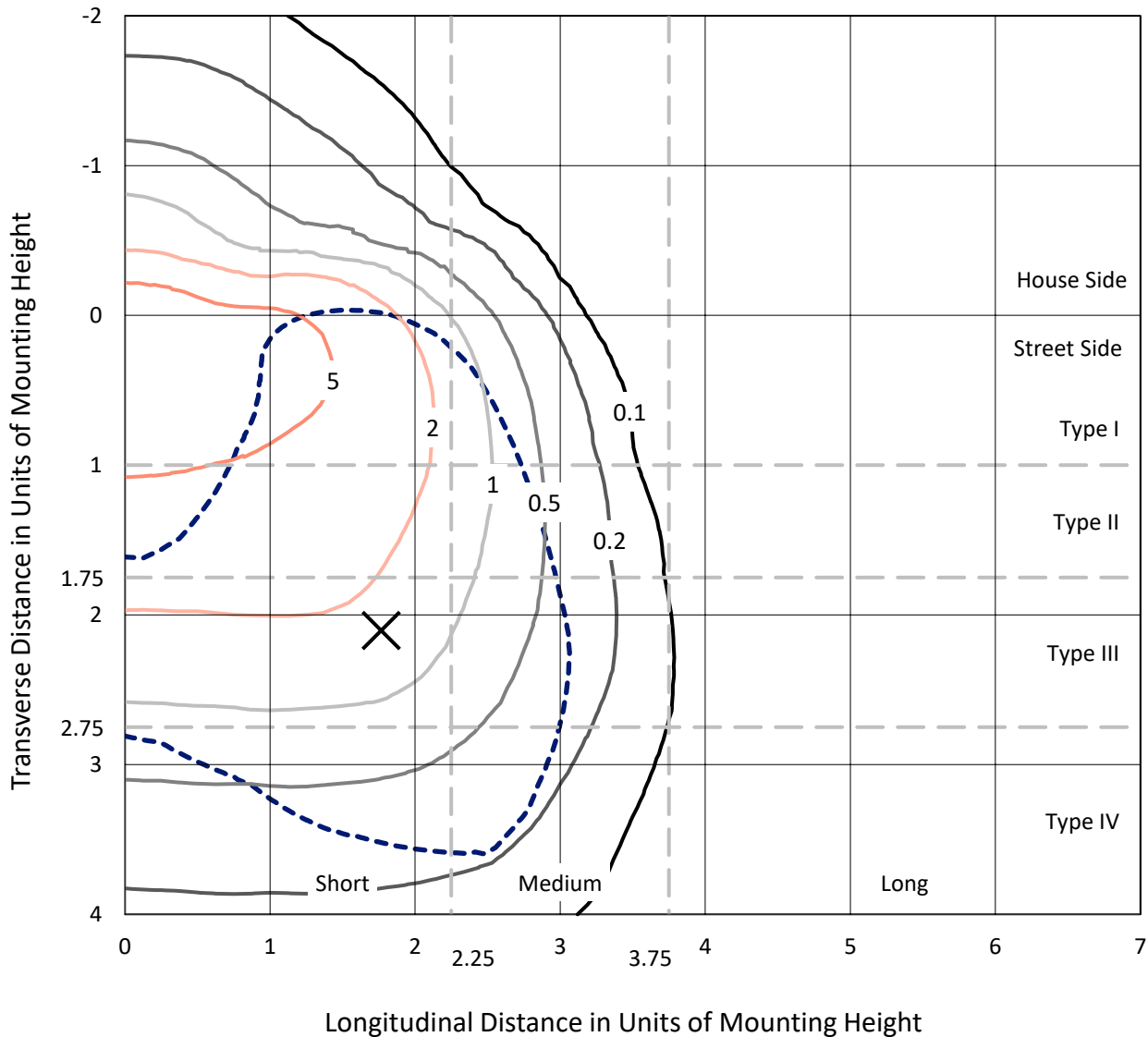


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Iso-Footcandle Lines of Horizontal Illumination

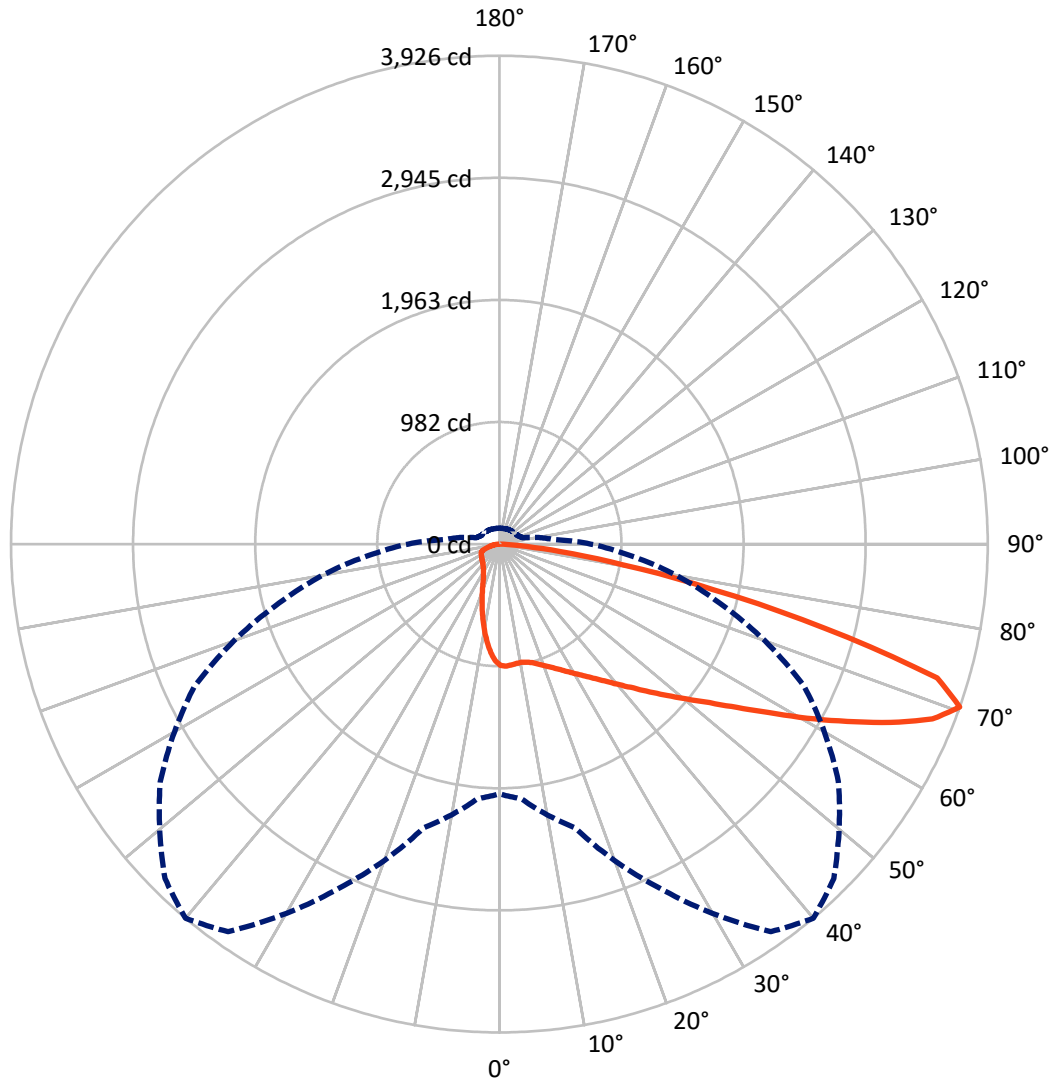
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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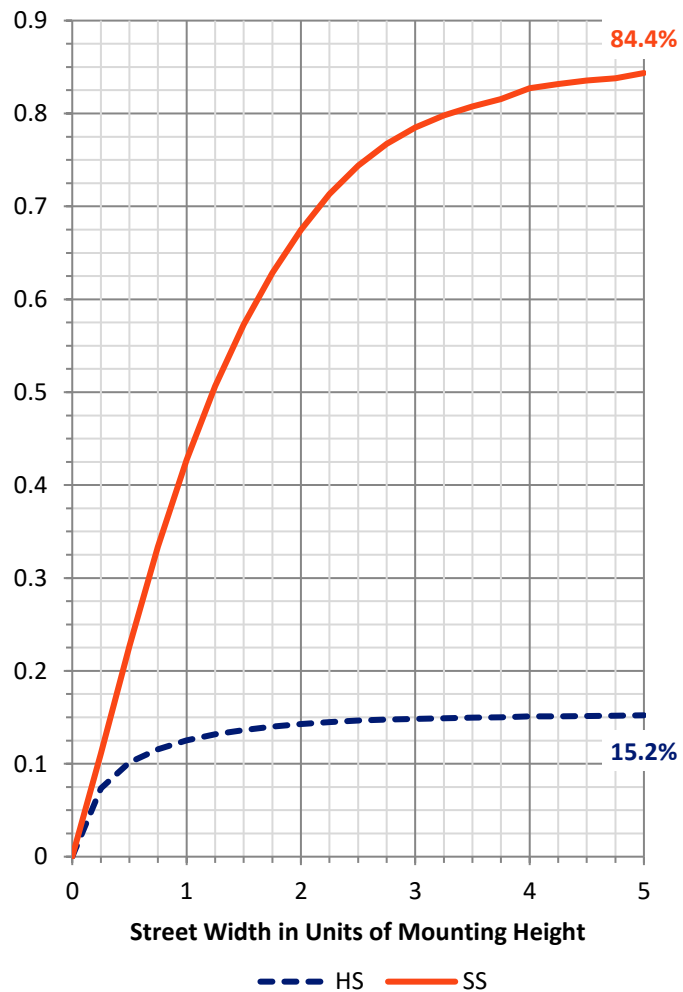
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	884.7	0.0	884.7
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	4859.1	0.0	4859.1
	% Fixture	84.6	0.0	84.6
Total	Lumens	5743.8	0.0	5743.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	1.5
10°-20°	224.6	3.9
20°-30°	352.7	6.1
30°-40°	530.2	9.2
40°-50°	818.4	14.2
50°-60°	1215.4	21.2
60°-70°	1532.0	26.7
70°-80°	886.0	15.4
80°-90°	98.3	1.7
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°	5743.8	100.0
0°-180°	5743.8	100.0

Coefficient of Utilization



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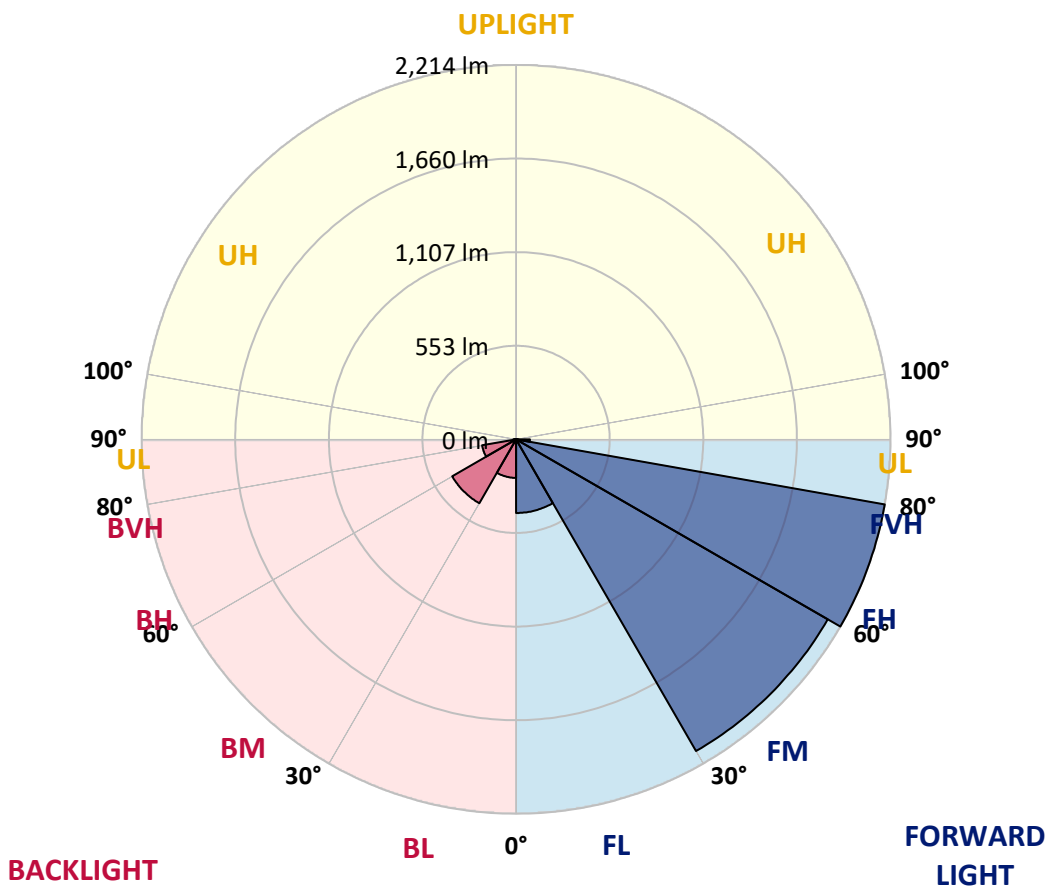
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	435.4	7.6			
FM (30°-60°)	2128.0	37.0			
FH (60°-80°)	2213.8	38.5			G2/5000
FVH (80°-90°)	81.9	1.4			G1/100
BL (0°-30°)	228.0	4.0	B1/500		
BM (30°-60°)	436.1	7.6	B1/1000		
BH (60°-80°)	204.2	3.6	B1/500		G1/500
BVH (80°-90°)	16.4	0.3			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°	40°	45°	55°	65°	75°	85°
0°	975.4	975.4	975.4	975.4	975.4	975.4	975.4	975.4	975.4	975.4	975.4
2.5°	981.4	983.1	984.4	986.1	985.2	982.7	984.8	984.8	980.1	974.9	970.2
5°	982.7	984.8	984.4	983.9	980.5	976.2	976.2	973.6	965.5	957.4	949.6
7.5°	980.1	979.7	979.2	977.9	974.1	969.4	968.5	963.4	952.6	941.5	930.3
10°	968.5	968.1	969.4	972.4	971.5	967.2	967.2	962.5	950.1	936.3	921.8
12.5°	959.1	959.1	964.2	972.4	975.4	973.6	974.1	970.6	956.5	940.2	923.1
15°	960.4	960.8	971.9	985.2	990.8	989.5	989.9	986.1	970.2	953.9	930.8
17.5°	968.9	971.1	990.4	1008.8	1016.1	1014.4	1011.4	1004.9	986.9	968.5	940.2
20°	986.9	990.4	1015.2	1038.4	1047.0	1043.1	1038.0	1025.1	1005.4	985.2	950.5
22.5°	1022.5	1024.7	1052.1	1074.8	1081.7	1077.0	1066.7	1048.2	1025.5	1004.5	962.9
25°	1072.7	1075.3	1101.4	1122.4	1120.7	1115.1	1101.0	1078.3	1051.2	1029.0	980.9
27.5°	1132.3	1136.6	1162.3	1179.0	1167.9	1159.7	1143.9	1116.4	1086.0	1065.8	1008.4
30°	1197.4	1199.2	1221.0	1237.7	1220.6	1209.5	1190.2	1160.6	1133.1	1118.1	1049.5
32.5°	1260.5	1262.2	1281.0	1290.5	1272.5	1264.3	1247.6	1216.3	1197.0	1188.9	1110.8
35°	1326.9	1326.5	1341.9	1350.1	1331.6	1328.2	1311.1	1287.1	1283.6	1294.3	1200.4
37.5°	1393.4	1389.5	1397.7	1408.4	1398.1	1401.5	1390.4	1382.2	1395.5	1423.4	1319.6
40°	1446.5	1446.5	1455.1	1468.4	1471.8	1486.8	1480.4	1491.1	1534.0	1600.5	1467.1
42.5°	1493.7	1494.1	1512.1	1532.7	1557.6	1580.7	1585.9	1613.7	1702.5	1806.7	1652.3
45°	1543.0	1543.4	1567.9	1597.9	1650.6	1694.8	1705.1	1767.7	1894.6	2021.5	1853.4
47.5°	1600.0	1595.3	1629.2	1679.3	1754.4	1817.8	1844.4	1933.1	2093.5	2249.6	2042.9
50°	1664.3	1654.5	1692.2	1778.8	1871.4	1958.4	2003.0	2104.6	2307.0	2460.1	2221.3
52.5°	1736.8	1731.2	1770.7	1876.1	2017.6	2117.9	2178.4	2311.7	2514.5	2669.7	2362.7
55°	1826.8	1813.5	1870.6	2004.7	2189.1	2316.9	2388.5	2516.7	2741.3	2860.1	2470.8
57.5°	1925.4	1910.9	1987.2	2165.5	2412.0	2552.2	2641.8	2747.3	2954.8	3005.8	2534.2
60°	2031.8	2027.0	2117.5	2354.2	2677.9	2840.8	2905.5	3001.1	3140.5	3090.3	2518.4
62.5°	2129.1	2127.4	2259.0	2558.7	2959.5	3138.7	3190.2	3215.5	3274.2	3084.7	2392.3
65°	2231.5	2246.1	2424.0	2795.8	3282.4	3458.1	3479.6	3415.3	3319.2	2938.5	2134.2
67.5°	2244.4	2272.7	2527.8	3017.8	3588.5	3754.4	3737.2	3491.2	3186.3	2531.7	1672.9
70°	2007.3	2056.6	2362.3	3051.7	3804.1	3926.3	3802.4	3327.8	2704.0	1834.1	1052.1
72.5°	1677.2	1719.6	1989.7	2602.4	3525.9	3681.5	3513.9	2816.8	1910.9	1052.1	535.9
75°	1305.5	1354.8	1603.9	2068.6	2639.7	2701.9	2617.8	1964.4	1050.4	433.9	243.5
77.5°	796.6	832.2	1026.0	1401.5	1847.0	1753.9	1486.4	1101.4	460.9	207.9	150.5
80°	352.4	374.3	505.5	752.9	1067.1	1008.8	795.3	470.3	252.1	132.0	105.0
82.5°	189.1	203.2	249.1	298.0	468.6	490.0	397.4	271.0	135.5	75.5	60.0
85°	83.2	91.3	113.2	108.0	153.9	151.3	152.6	186.1	64.7	34.7	39.0
87.5°	0.0	0.0	0.0	0.0	0.4	0.4	4.7	24.9	6.4	10.3	9.0
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°	975.4	975.4	975.4	975.4	975.4	975.4	975.4	975.4	975.4	975.4	975.4
2.5°	965.1	957.4	955.2	952.6	947.9	939.8	933.8	926.9	923.9	920.5	920.9
5°	941.1	931.6	922.6	911.1	896.5	880.2	869.0	856.2	849.3	842.9	844.6
7.5°	920.5	905.9	887.5	863.0	836.9	807.7	784.1	765.7	753.3	744.7	749.0
10°	907.6	890.5	858.3	818.4	774.3	729.7	695.8	664.1	644.4	628.9	628.1
12.5°	905.1	882.8	836.0	778.1	714.3	654.7	604.9	562.1	535.9	516.6	523.9
15°	907.6	879.3	816.7	740.8	660.2	579.6	517.9	468.6	437.3	419.7	418.4
17.5°	910.6	875.9	794.9	700.5	603.7	511.5	439.9	387.6	355.4	337.8	338.3
20°	913.2	870.8	769.1	656.4	546.2	448.0	373.9	324.1	295.4	282.5	284.7
22.5°	917.5	865.6	741.7	609.2	487.5	386.7	321.5	281.2	264.1	255.5	256.0
25°	925.6	862.6	713.4	557.8	429.6	337.8	285.5	258.5	247.8	242.7	242.2
27.5°	942.4	865.2	683.8	508.0	377.3	300.5	262.4	244.8	237.5	234.1	233.7
30°	970.2	875.5	658.1	457.5	332.3	271.4	246.5	235.8	231.5	228.5	228.1
32.5°	1012.7	894.8	630.2	410.3	295.8	250.0	234.1	228.5	225.5	223.8	223.8
35°	1077.0	929.9	602.8	369.1	267.5	233.2	224.2	222.1	219.5	218.7	219.5
37.5°	1169.6	986.1	577.9	333.1	247.4	220.4	213.5	214.4	212.2	213.5	214.8
40°	1287.1	1061.1	556.9	303.5	232.4	210.9	204.1	207.1	205.8	207.1	209.2
42.5°	1435.8	1154.1	541.1	280.4	221.7	203.2	196.8	199.8	198.9	200.6	202.8
45°	1601.7	1276.8	533.8	264.1	213.9	197.6	190.8	192.9	192.1	193.4	195.5
47.5°	1760.8	1388.2	540.2	254.7	207.5	192.9	185.6	186.5	186.1	185.6	186.9
50°	1898.0	1477.0	558.6	251.7	203.2	188.2	181.4	181.8	180.5	177.9	178.8
52.5°	2009.9	1548.1	569.8	251.7	201.1	183.1	176.6	177.1	174.5	171.1	171.5
55°	2083.6	1576.9	560.8	251.2	200.2	178.8	171.9	172.3	169.8	165.5	165.9
57.5°	2104.6	1549.0	523.1	246.5	199.4	175.4	167.2	168.1	166.3	161.6	161.6
60°	2045.9	1447.0	454.0	235.8	197.2	173.2	163.8	165.1	164.2	159.5	159.5
62.5°	1892.0	1265.6	371.7	219.5	191.2	170.6	160.8	163.3	165.5	162.9	162.5
65°	1603.9	1013.9	302.3	201.5	183.5	166.3	156.5	162.9	167.6	171.1	171.1
67.5°	1203.4	725.8	246.5	182.6	171.9	157.8	150.9	156.9	160.3	162.5	163.8
70°	733.6	427.0	194.2	160.8	155.2	144.9	139.8	133.8	129.0	128.2	128.6
72.5°	358.8	244.4	157.8	136.8	132.5	123.0	111.5	108.9	106.8	105.5	105.0
75°	197.6	170.2	130.3	113.6	105.9	94.3	91.7	87.5	86.6	84.9	85.3
77.5°	139.8	134.2	107.6	92.2	80.6	74.6	75.9	72.9	72.9	71.6	71.2
80°	105.0	105.5	82.7	67.3	59.6	57.4	58.7	58.7	57.9	57.4	57.0
82.5°	66.5	75.0	55.7	43.3	42.4	42.9	42.4	42.0	42.9	41.6	41.2
85°	45.9	54.0	33.9	25.7	25.7	25.3	26.2	25.7	26.6	25.3	25.3
87.5°	10.3	24.0	12.4	7.7	8.1	7.7	8.1	8.6	9.4	9.9	9.9
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)