

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: P630942

Luminaire Tested: GWS-SA1E-760-U-SL4-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630942
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-760-U-SL4-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6023.6 lumens
Efficiency: N/A
Efficacy: 103.1 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

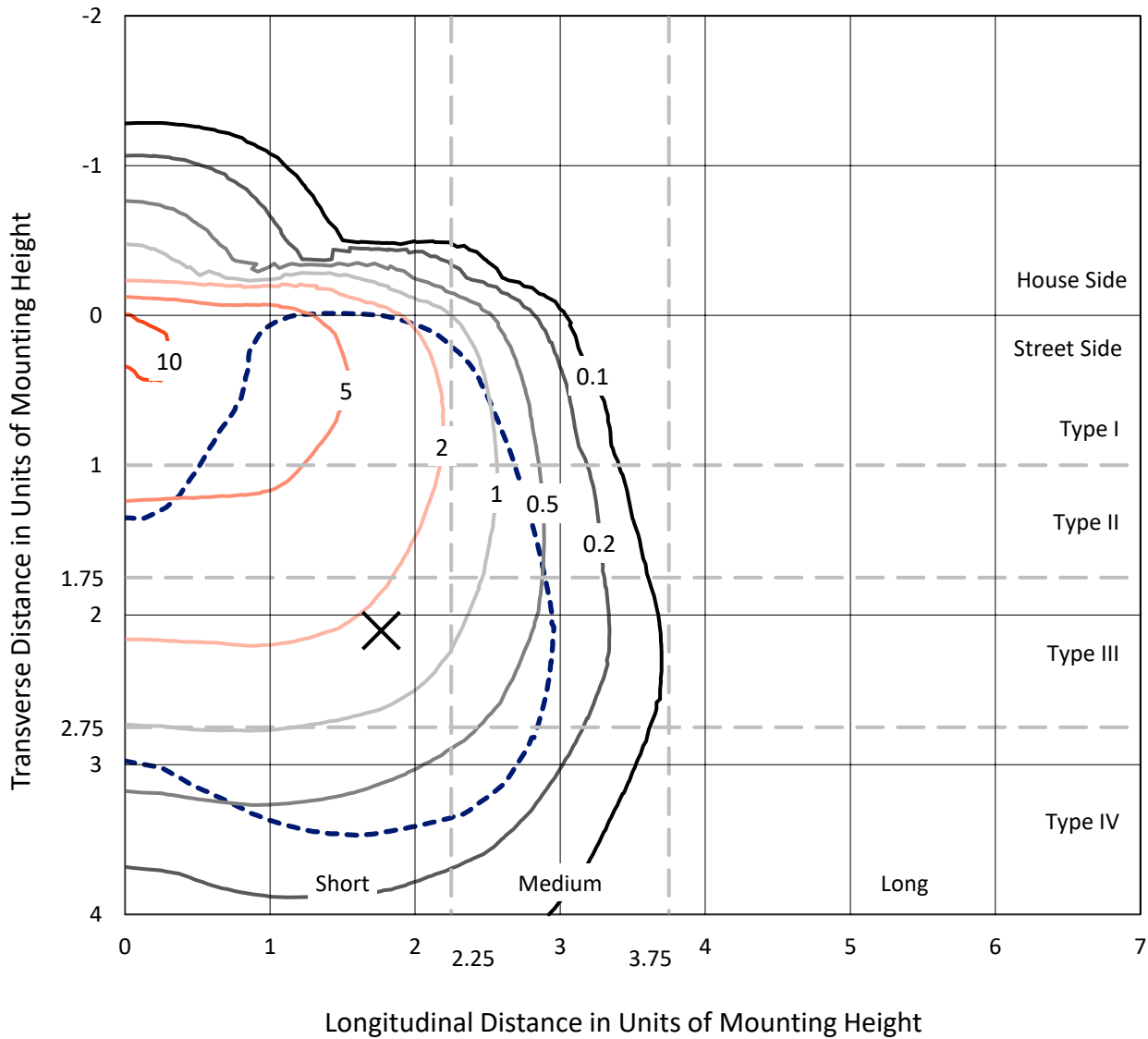
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630942
 CATALOG NUMBER: GWS-SA1E-760-U-SL4-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

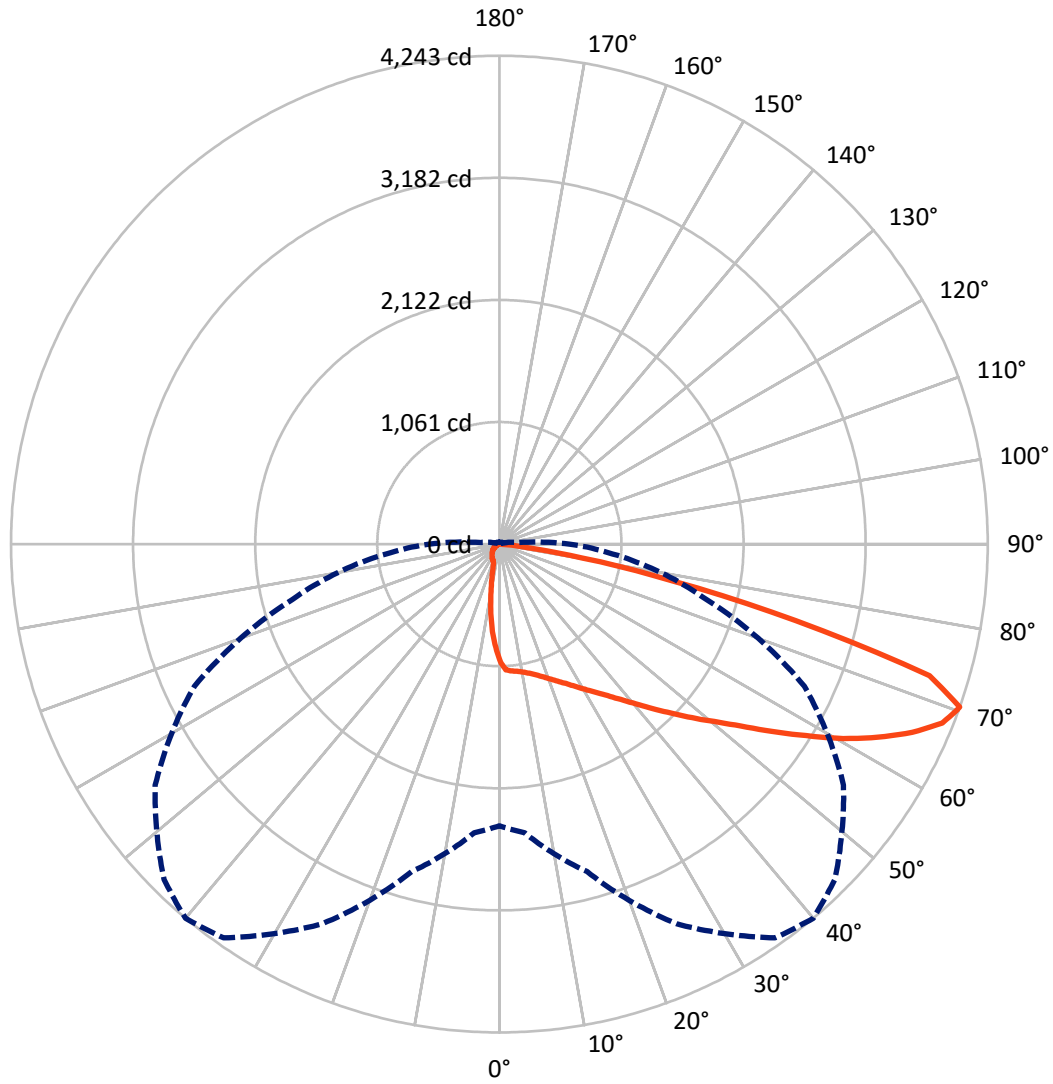
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P630942
CATALOG NUMBER: GWS-SA1E-760-U-SL4-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630942
 CATALOG NUMBER: GWS-SA1E-760-U-SL4-W-HSS

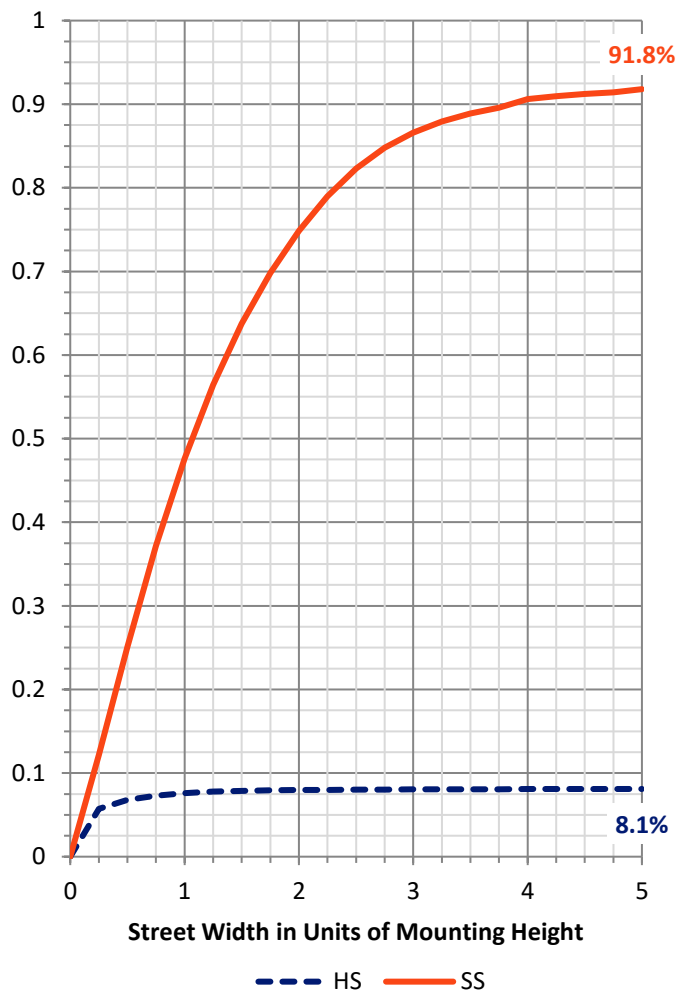
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	492.6	0.0	492.6
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	5531.0	0.0	5531.0
	% Fixture	91.8	0.0	91.8
Total	Lumens	6023.6	0.0	6023.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.4	1.4
10°-20°	219.1	3.6
20°-30°	366.7	6.1
30°-40°	576.0	9.6
40°-50°	911.0	15.1
50°-60°	1329.0	22.1
60°-70°	1647.5	27.4
70°-80°	833.5	13.8
80°-90°	54.4	0.9
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°	6023.6	100.0
0°-180°	6023.6	100.0

Coefficient of Utilization



REPORT NUMBER: P630942

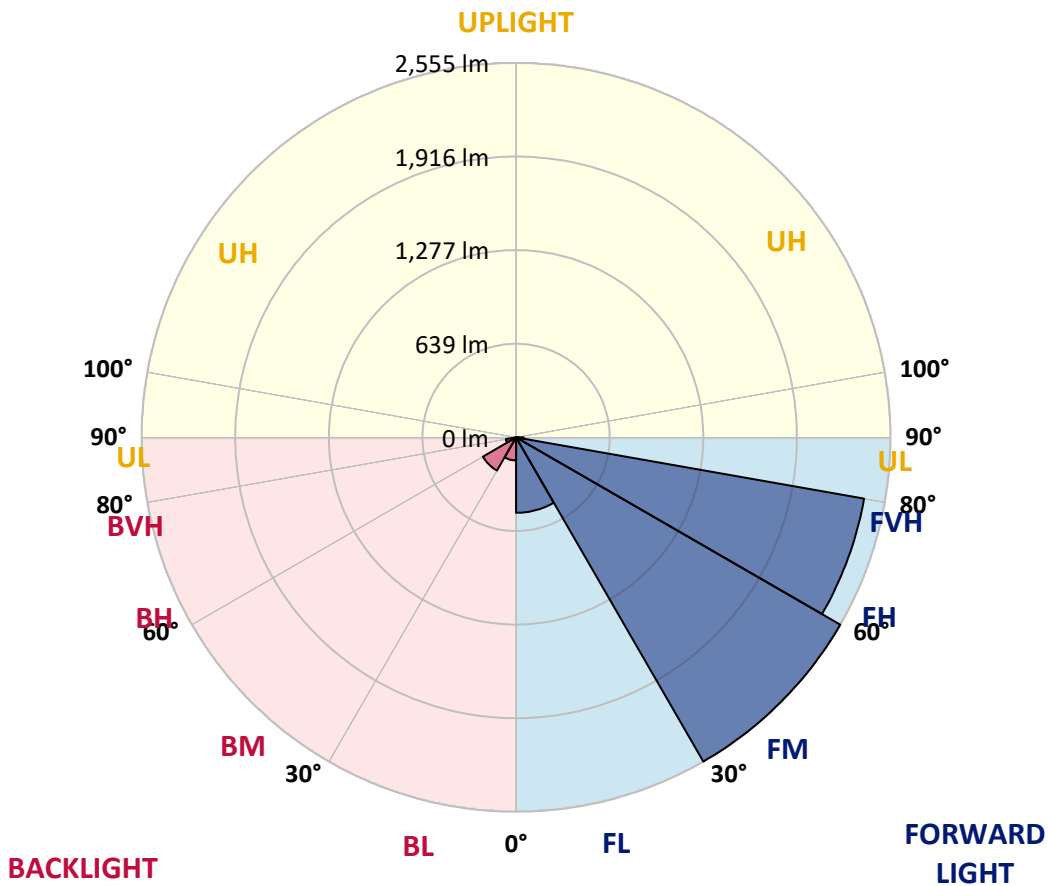
CATALOG NUMBER: GWS-SA1E-760-U-SL4-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	514.9	8.5			
FM (30°-60°)	2554.5	42.4			
FH (60°-80°)	2410.8	40.0			G2/5000
FVH (80°-90°)	50.8	0.8			G1/100
BL (0°-30°)	157.3	2.6	B1/500		
BM (30°-60°)	261.5	4.3	B1/1000		
BH (60°-80°)	70.2	1.2	B0/110		G0/110
BVH (80°-90°)	3.6	0.1			G0/10
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





REPORT NUMBER: P630942

CATALOG NUMBER: GWS-SA1E-760-U-SL4-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1022.1	1022.1	1022.1	1022.1	1022.1	1022.1	1022.1	1022.1	1022.1	1022.1	1022.1
2.5°	1098.9	1102.7	1102.1	1103.8	1100.0	1093.9	1092.8	1084.6	1069.8	1051.2	1030.4
5°	1121.3	1125.7	1122.4	1120.8	1113.7	1107.1	1105.4	1096.7	1079.7	1054.5	1018.3
7.5°	1140.5	1141.6	1139.4	1135.6	1125.2	1116.4	1110.4	1098.3	1078.0	1052.8	1011.2
10°	1143.8	1143.3	1144.4	1144.9	1138.3	1130.6	1125.7	1109.3	1083.5	1056.7	1011.7
12.5°	1140.0	1140.0	1147.1	1155.3	1155.3	1151.5	1146.5	1131.7	1101.6	1069.8	1022.7
15°	1144.9	1146.5	1160.2	1175.6	1180.5	1176.7	1174.5	1159.1	1127.9	1092.8	1042.4
17.5°	1162.4	1164.1	1186.0	1209.0	1215.0	1210.7	1206.3	1190.9	1157.5	1119.1	1064.9
20°	1188.2	1192.6	1220.5	1250.1	1255.6	1250.1	1241.4	1220.0	1186.6	1147.6	1086.3
22.5°	1235.3	1238.1	1268.2	1299.5	1302.2	1293.4	1280.3	1250.7	1215.6	1177.8	1110.4
25°	1297.8	1301.6	1331.8	1361.9	1354.8	1341.7	1323.6	1290.1	1250.1	1213.4	1141.1
27.5°	1372.3	1376.7	1406.3	1432.6	1414.0	1398.7	1378.4	1336.7	1296.2	1262.7	1180.5
30°	1452.9	1456.7	1483.1	1506.6	1482.0	1463.9	1439.8	1397.0	1355.9	1330.7	1236.4
32.5°	1530.7	1530.2	1555.4	1574.6	1549.4	1535.1	1513.2	1469.9	1437.0	1426.1	1319.7
35°	1603.1	1603.1	1623.9	1643.1	1625.0	1617.3	1597.0	1562.5	1543.9	1557.0	1431.0
37.5°	1676.0	1672.1	1691.9	1713.2	1711.6	1712.1	1700.6	1684.2	1685.3	1731.9	1583.9
40°	1736.3	1734.6	1757.6	1785.6	1807.5	1825.0	1817.9	1823.9	1858.5	1945.6	1779.6
42.5°	1784.5	1788.3	1817.9	1862.3	1917.7	1953.3	1958.2	1982.9	2071.7	2206.5	2000.4
45°	1839.8	1840.4	1881.5	1949.5	2037.7	2094.1	2113.9	2177.4	2303.5	2477.2	2242.7
47.5°	1907.8	1901.2	1947.3	2042.6	2170.3	2253.6	2288.7	2368.2	2563.3	2741.4	2440.0
50°	1982.9	1970.8	2022.9	2152.8	2318.8	2423.0	2494.2	2610.4	2820.9	2958.4	2586.8
52.5°	2070.0	2058.5	2117.7	2279.4	2497.0	2623.6	2715.1	2832.4	3041.7	3123.9	2674.5
55°	2180.7	2169.2	2231.7	2431.2	2707.4	2871.8	2967.7	3066.4	3247.3	3246.2	2738.1
57.5°	2303.5	2287.6	2374.2	2623.0	2969.9	3140.9	3238.5	3286.7	3403.5	3341.0	2780.9
60°	2444.3	2430.1	2550.1	2851.6	3273.0	3431.4	3492.8	3473.1	3531.7	3396.9	2766.1
62.5°	2571.5	2564.9	2714.0	3093.8	3561.8	3695.6	3712.6	3626.5	3626.0	3398.0	2666.3
65°	2703.6	2716.2	2937.6	3372.8	3852.3	3942.2	3913.2	3778.9	3663.8	3263.7	2371.5
67.5°	2752.9	2789.6	3085.0	3624.9	4081.4	4151.6	4100.6	3855.1	3506.5	2812.1	1805.9
70°	2448.2	2517.2	2945.8	3639.1	4176.2	4243.1	4120.9	3650.1	2923.4	1862.9	989.2
72.5°	1861.8	1942.3	2454.8	2979.8	3755.9	3908.2	3699.4	2973.8	1884.2	816.1	332.1
75°	1041.9	1129.0	1828.3	2243.8	2521.6	2660.8	2584.1	1907.8	834.7	213.2	99.2
77.5°	352.4	381.5	850.6	1388.2	1664.5	1539.5	1303.3	947.6	306.9	81.1	52.6
80°	208.8	219.8	316.8	691.1	875.8	726.2	573.3	350.2	156.2	43.3	36.7
82.5°	62.5	74.0	174.8	256.5	343.1	213.7	180.9	200.0	81.1	23.6	30.7
85°	0.0	0.0	37.3	79.5	89.9	35.1	35.1	113.4	14.8	9.9	22.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	2.7	1.6	2.2	4.9
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: P630942
 CATALOG NUMBER: GWS-SA1E-760-U-SL4-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1022.1	1022.1	1022.1	1022.1	1022.1	1022.1	1022.1	1022.1	1022.1	1022.1	1022.1
2.5°	1015.6	996.4	973.9	952.5	932.3	905.9	893.3	878.0	864.8	857.7	861.6
5°	995.3	965.1	919.1	872.5	825.4	781.0	741.0	714.1	690.0	677.4	680.1
7.5°	977.7	937.2	865.4	789.2	713.6	637.4	575.5	527.2	490.0	474.6	471.9
10°	970.1	919.1	817.7	708.1	591.9	489.4	401.7	348.6	310.8	292.1	295.4
12.5°	973.9	909.8	777.1	628.6	477.9	358.4	274.6	224.7	197.8	186.9	184.1
15°	984.9	907.6	741.0	547.5	368.8	250.5	189.6	169.4	163.9	162.8	162.8
17.5°	997.5	908.1	703.7	465.3	280.1	185.8	162.2	158.4	156.7	155.6	156.2
20°	1010.1	908.1	661.0	382.0	210.5	160.6	154.6	151.8	150.2	149.6	149.6
22.5°	1025.4	908.1	613.3	304.7	168.8	152.4	147.4	145.8	144.1	143.6	143.0
25°	1044.1	908.7	560.7	238.4	153.5	145.2	141.4	139.8	138.1	137.0	137.0
27.5°	1070.9	913.1	502.6	185.8	144.7	138.7	135.4	133.7	132.1	130.4	130.4
30°	1109.8	924.0	437.4	153.5	136.5	131.5	128.2	127.2	125.5	123.9	123.3
32.5°	1167.9	943.2	369.9	137.6	128.8	123.9	120.0	118.9	117.3	115.6	115.1
35°	1249.0	978.3	304.2	127.7	118.9	114.0	111.8	111.3	109.1	107.4	107.4
37.5°	1368.0	1035.3	241.1	117.8	110.7	106.9	104.1	103.0	100.8	99.2	98.7
40°	1513.2	1109.3	187.4	110.2	103.0	99.2	96.5	94.8	92.1	89.9	88.8
42.5°	1698.4	1199.7	148.0	101.9	95.9	92.1	89.9	86.6	82.8	79.5	78.9
45°	1891.4	1292.9	122.2	94.3	89.3	86.0	83.3	78.9	73.4	69.6	68.5
47.5°	2039.3	1351.0	106.9	86.0	82.2	79.5	76.2	70.7	64.1	59.7	58.6
50°	2145.1	1359.7	95.4	78.4	76.2	73.4	68.5	61.9	54.8	50.4	49.3
52.5°	2197.2	1320.3	86.0	71.2	69.6	66.9	60.8	53.7	46.0	41.7	40.6
55°	2220.7	1245.7	77.3	65.2	63.0	59.7	53.2	45.5	37.8	34.0	32.9
57.5°	2211.4	1135.6	69.6	59.2	56.5	52.6	45.5	37.3	31.2	27.4	26.9
60°	2142.4	981.0	61.9	53.2	49.9	45.5	38.4	30.7	25.2	22.5	21.9
62.5°	1993.3	789.2	54.3	46.0	43.8	39.5	32.9	25.2	20.8	19.2	18.6
65°	1688.0	557.9	46.6	38.9	37.8	33.4	27.4	20.8	18.1	17.0	16.4
67.5°	1213.4	339.2	39.5	33.4	32.3	28.5	23.0	18.1	16.4	15.9	15.9
70°	610.0	160.6	31.2	27.4	27.4	23.6	19.7	16.4	15.9	15.3	15.3
72.5°	207.2	68.5	23.6	21.4	22.5	20.3	17.0	15.3	15.3	15.3	15.3
75°	70.7	36.2	16.4	15.3	16.4	16.4	14.8	14.8	15.3	15.3	15.3
77.5°	46.0	24.1	11.5	10.4	12.6	12.6	12.6	13.7	14.8	14.8	14.8
80°	37.8	13.2	7.7	7.1	9.3	9.3	10.4	12.6	13.7	13.7	13.7
82.5°	32.3	8.2	4.4	4.9	6.6	7.1	8.8	10.4	12.1	12.6	12.6
85°	21.9	4.4	3.3	3.8	4.4	5.5	7.1	8.8	9.9	11.0	11.0
87.5°	6.0	1.6	2.2	2.7	2.7	3.8	5.5	6.6	7.7	8.2	8.2
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)