

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: P632452

Luminaire Tested: GWS-SA2C-760-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632452
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-760-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7309.7 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

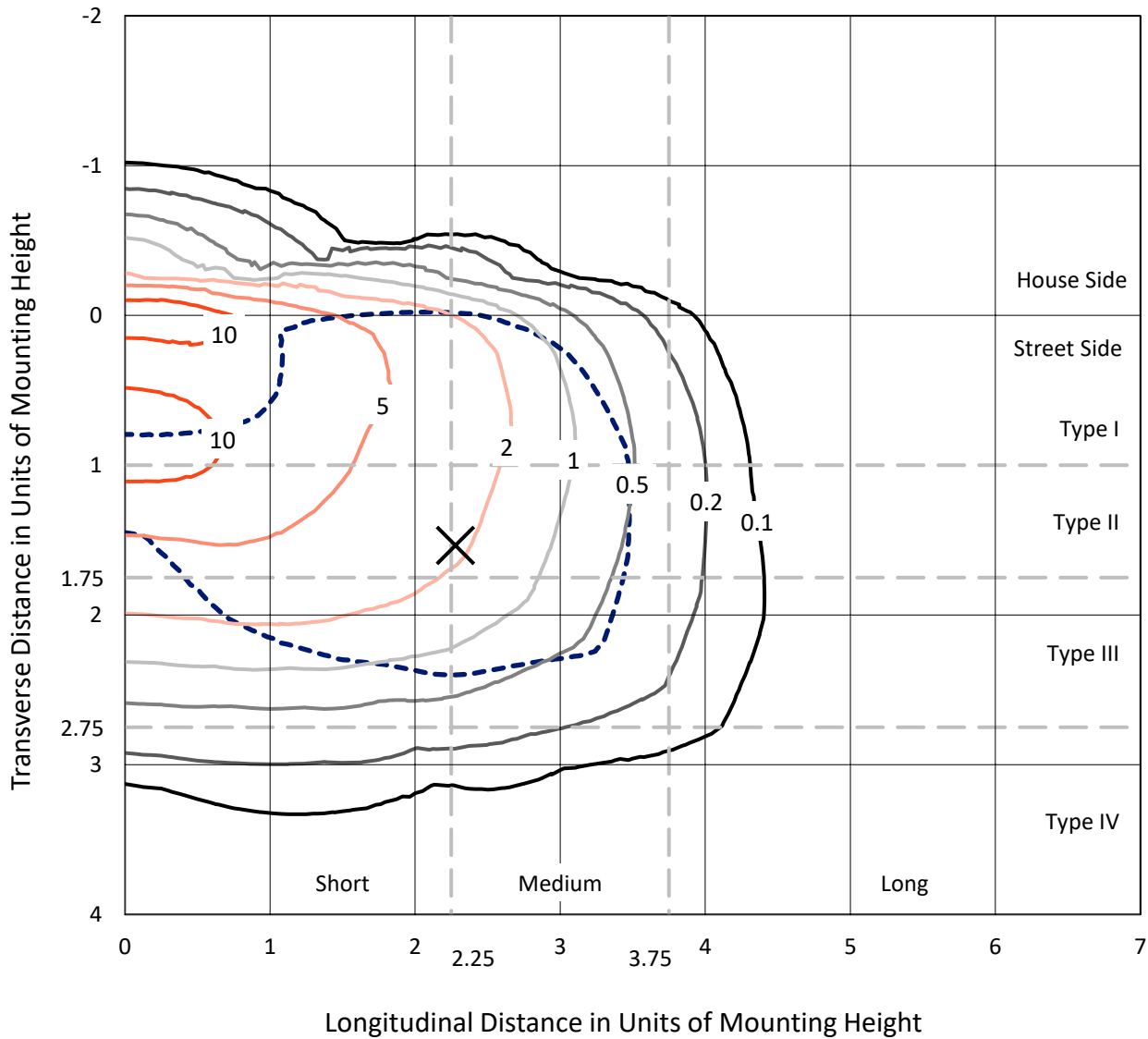
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

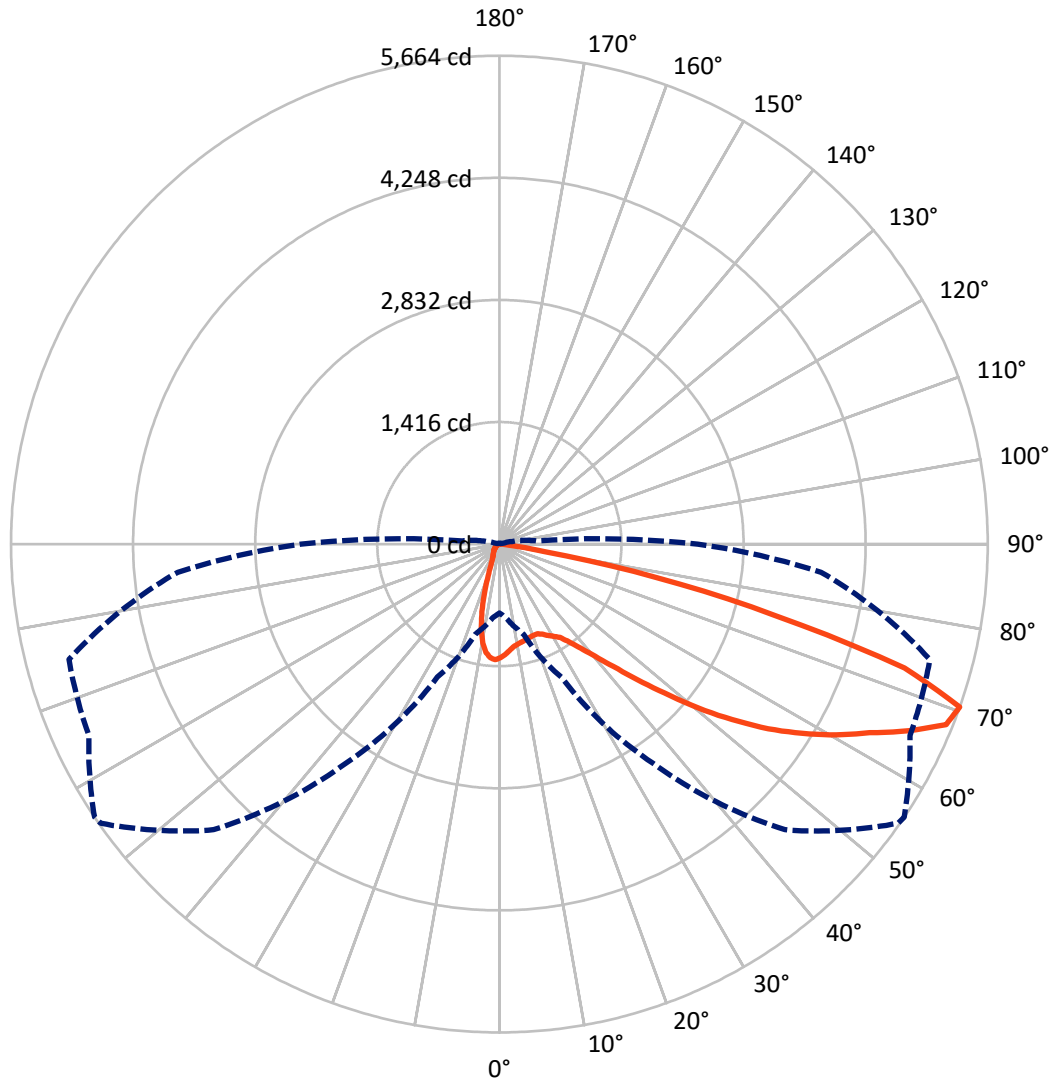
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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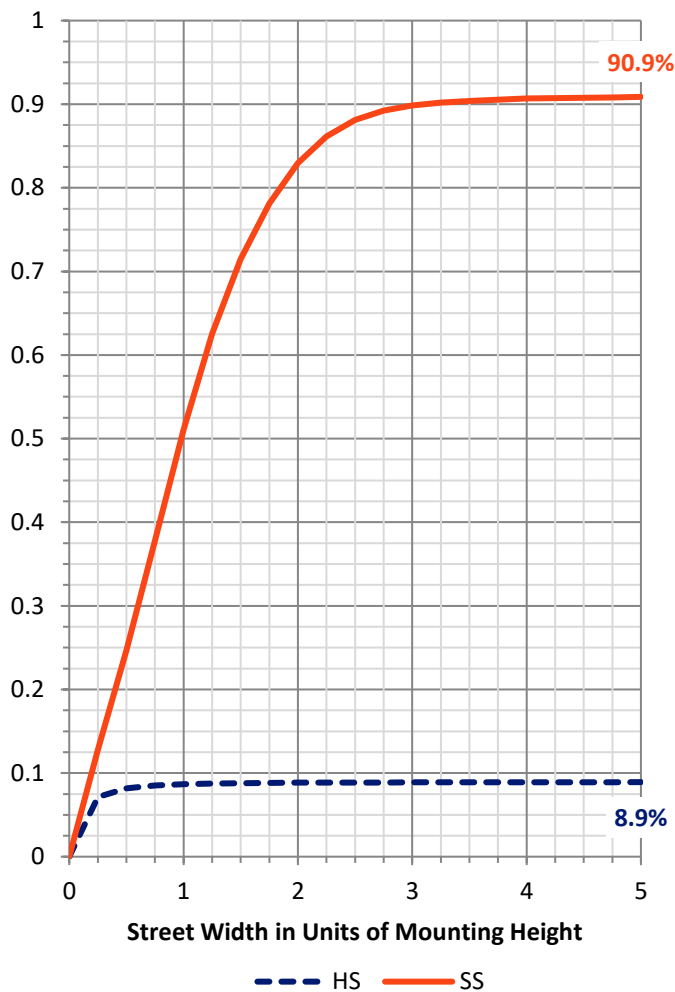
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	656.5	0.0	656.5
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	6653.2	0.0	6653.2
	% Fixture	91.0	0.0	91.0
Total	Lumens	7309.7	0.0	7309.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.2	1.5
10°-20°	254.5	3.5
20°-30°	403.2	5.5
30°-40°	695.2	9.5
40°-50°	1174.0	16.1
50°-60°	1725.0	23.6
60°-70°	2045.1	28.0
70°-80°	872.1	11.9
80°-90°	27.4	0.4
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°	7309.7	100.0
0°-180°	7309.7	100.0

Coefficient of Utilization



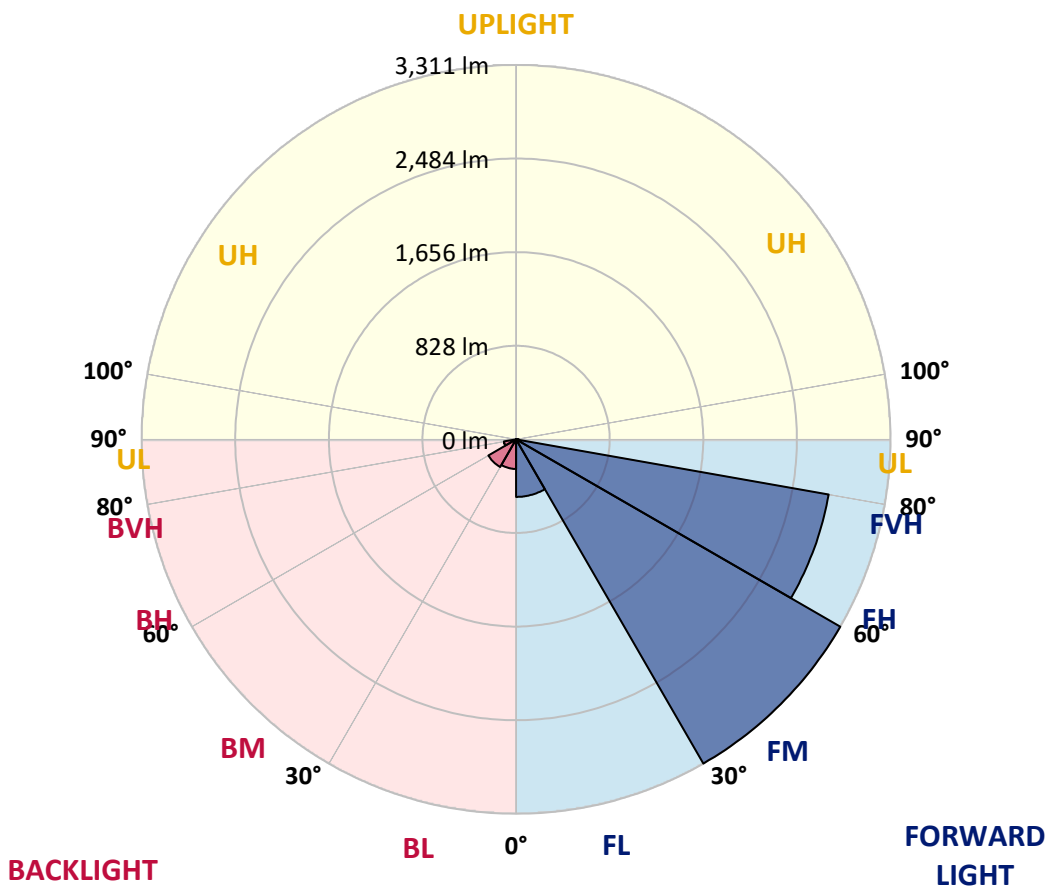
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	509.4	7.0			
FM (30°-60°)	3311.5	45.3			
FH (60°-80°)	2807.7	38.4			G2/5000
FVH (80°-90°)	24.6	0.3			G1/100
BL (0°-30°)	261.5	3.6	B1/500		
BM (30°-60°)	282.8	3.9	B1/1000		
BH (60°-80°)	109.5	1.5	B0/110		G0/110
BVH (80°-90°)	2.8	0.0			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1318.0	1318.0	1318.0	1318.0	1318.0	1318.0	1318.0	1318.0	1318.0	1318.0	1318.0
2.5°	1227.0	1225.0	1226.3	1236.3	1255.1	1263.8	1278.5	1281.2	1293.2	1308.6	1314.7
5°	1147.3	1140.6	1144.0	1158.0	1179.5	1203.5	1231.0	1238.4	1268.5	1302.6	1328.1
7.5°	1074.4	1067.0	1075.0	1097.1	1127.2	1153.3	1194.2	1198.9	1247.1	1307.3	1353.5
10°	959.9	961.9	978.0	1016.8	1063.0	1117.2	1172.1	1178.8	1238.4	1322.7	1394.3
12.5°	872.2	867.5	884.9	929.1	994.0	1073.0	1155.4	1164.1	1239.0	1346.1	1446.5
15°	831.4	830.0	837.4	869.5	932.4	1025.5	1140.0	1151.3	1247.7	1367.5	1496.1
17.5°	832.7	830.7	830.0	848.8	895.6	990.0	1123.2	1137.9	1255.1	1391.0	1548.3
20°	890.9	881.6	864.8	856.1	884.3	967.3	1111.8	1128.6	1265.8	1415.7	1603.8
22.5°	1012.8	1016.1	971.3	924.4	911.0	969.9	1110.5	1129.9	1289.2	1454.6	1672.1
25°	1256.4	1251.1	1168.1	1063.0	990.0	1000.7	1133.9	1157.4	1335.4	1510.1	1736.4
27.5°	1561.7	1566.4	1452.6	1285.2	1132.6	1064.3	1176.8	1200.2	1389.0	1544.9	1779.2
30°	1894.4	1889.7	1767.8	1582.4	1334.7	1170.1	1219.6	1240.4	1415.7	1563.7	1823.4
32.5°	2209.0	2198.2	2077.8	1883.6	1592.5	1336.8	1278.5	1290.6	1451.2	1604.5	1883.0
35°	2477.4	2476.7	2371.6	2164.8	1857.5	1545.6	1379.6	1389.6	1517.5	1669.4	1970.7
37.5°	2754.5	2745.1	2627.3	2438.6	2130.0	1774.5	1534.2	1530.2	1621.9	1765.2	2078.4
40°	2982.1	2976.1	2885.7	2704.3	2413.1	2027.6	1721.6	1709.6	1745.7	1897.7	2228.4
42.5°	3150.8	3151.4	3123.3	3012.9	2713.0	2320.1	1957.3	1938.5	1937.9	2097.8	2426.5
45°	3278.6	3287.3	3329.5	3312.8	3067.1	2660.8	2259.2	2239.8	2207.0	2357.6	2653.4
47.5°	3338.2	3349.6	3476.8	3543.7	3377.0	2998.8	2618.6	2577.8	2513.5	2703.0	2907.1
50°	3332.2	3352.3	3529.6	3733.1	3658.2	3341.6	3010.2	2990.8	2885.7	3068.4	3158.1
52.5°	3195.6	3238.5	3533.0	3848.3	3874.4	3657.5	3415.2	3379.0	3328.2	3450.0	3393.8
55°	2824.8	2877.0	3391.8	3885.1	4043.1	3933.3	3811.5	3782.0	3697.7	3810.1	3599.3
57.5°	2623.3	2668.2	3094.6	3867.0	4186.3	4188.3	4164.2	4140.1	4070.5	4166.2	3840.2
60°	2502.1	2547.0	2935.9	3800.7	4316.2	4457.4	4495.6	4492.9	4392.5	4571.2	4122.7
62.5°	2324.8	2386.3	2770.6	3628.7	4408.5	4722.5	4837.6	4819.5	4707.8	4992.9	4402.5
65°	1966.6	2020.2	2431.9	3344.9	4354.3	4942.0	5208.5	5217.8	5088.6	5389.9	4623.4
67.5°	1378.9	1418.4	1827.4	2749.2	3986.2	5014.3	5588.0	5587.3	5367.1	5593.4	4525.7
70°	799.2	853.5	1079.7	1699.6	3101.2	4685.7	5644.9	5664.3	5254.0	5168.3	3745.2
72.5°	309.3	354.1	611.8	903.0	1617.2	3589.2	4855.7	4912.6	4397.2	3986.8	2606.6
75°	92.4	103.1	287.8	480.6	649.3	1733.7	3287.3	3303.4	3016.2	2486.8	1336.1
77.5°	68.9	76.3	125.8	243.0	227.6	525.5	1700.9	1857.5	1601.2	888.3	368.2
80°	46.9	55.6	89.7	118.5	84.3	139.9	477.9	524.8	488.6	199.5	92.4
82.5°	20.8	26.8	63.6	59.6	30.8	40.2	147.3	156.6	101.1	60.2	32.1
85°	2.0	2.7	24.1	26.1	11.4	9.4	30.8	30.8	22.1	20.8	13.4
87.5°	0.0	0.0	0.7	1.3	1.3	2.0	2.7	3.3	4.0	5.4	6.7
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°	1318.0	1318.0	1318.0	1318.0	1318.0	1318.0	1318.0	1318.0	1318.0	1318.0	1318.0
2.5°	1330.1	1322.0	1332.1	1340.1	1342.1	1327.4	1318.7	1306.0	1303.3	1304.0	1300.6
5°	1348.1	1344.1	1351.5	1342.8	1320.0	1277.2	1240.4	1199.5	1177.4	1164.7	1163.4
7.5°	1381.6	1379.6	1371.6	1332.1	1261.1	1166.1	1074.4	984.7	929.1	909.0	905.7
10°	1431.1	1427.1	1394.3	1300.6	1149.3	966.6	812.6	684.1	605.8	583.0	554.9
12.5°	1488.0	1480.0	1408.4	1233.0	980.6	727.6	535.5	391.6	324.0	303.9	303.9
15°	1542.9	1525.5	1400.3	1121.2	773.1	473.3	299.2	226.3	205.5	200.1	200.1
17.5°	1599.2	1565.7	1368.9	968.6	534.2	279.8	199.5	185.4	182.7	183.4	184.1
20°	1652.0	1599.8	1313.3	785.2	340.7	195.5	178.7	175.4	174.0	175.4	174.7
22.5°	1709.6	1631.3	1229.0	585.0	221.6	176.0	170.0	167.3	166.0	168.0	168.0
25°	1766.5	1654.0	1117.2	393.6	176.0	164.0	160.7	158.0	156.6	157.3	157.3
27.5°	1796.0	1645.3	970.6	251.0	158.0	151.9	148.6	145.3	143.2	142.6	143.2
30°	1816.0	1618.6	791.2	178.7	143.2	135.9	132.5	129.9	124.5	121.2	122.5
32.5°	1847.5	1591.8	596.4	149.9	131.2	119.8	114.5	107.8	100.4	97.1	97.1
35°	1885.0	1555.0	418.4	135.2	118.5	106.4	96.4	85.0	76.3	73.6	73.6
37.5°	1934.5	1520.2	278.5	125.2	107.8	95.1	81.0	67.6	58.2	56.9	56.2
40°	2008.8	1490.7	196.1	117.8	98.4	83.0	66.3	52.2	45.5	43.5	43.5
42.5°	2105.2	1460.6	155.3	110.4	90.4	71.6	52.9	41.5	36.1	34.8	34.1
45°	2224.4	1425.1	135.2	103.8	82.3	59.6	42.2	34.8	30.8	29.5	29.5
47.5°	2353.5	1376.9	125.8	95.1	73.0	48.2	35.5	30.1	28.1	27.4	26.8
50°	2480.7	1312.0	117.8	87.0	62.3	39.5	30.8	27.4	26.1	25.4	25.4
52.5°	2591.8	1236.3	107.8	77.6	50.9	34.1	27.4	25.4	24.1	22.8	22.1
55°	2686.9	1154.0	95.1	66.9	41.5	30.1	25.4	23.4	22.1	20.8	20.1
57.5°	2809.4	1107.2	76.3	54.2	34.1	26.8	23.4	21.4	20.1	18.1	18.1
60°	2945.3	1073.0	56.9	42.8	29.5	24.8	21.4	19.4	18.1	16.1	16.1
62.5°	3054.4	1022.1	44.8	34.8	25.4	22.1	19.4	17.4	16.1	14.1	14.1
65°	3095.9	917.1	36.8	27.4	20.8	19.4	17.4	16.1	14.1	12.0	12.0
67.5°	2908.5	706.9	30.8	22.1	17.4	16.7	15.4	14.7	12.0	10.7	10.0
70°	2303.3	431.1	25.4	18.1	14.7	14.1	14.1	12.7	10.7	10.0	9.4
72.5°	1578.4	222.2	20.8	14.7	12.7	12.7	12.0	11.4	10.0	9.4	9.4
75°	820.0	74.3	16.1	11.4	10.0	10.7	10.7	10.0	9.4	9.4	8.7
77.5°	235.0	33.5	12.0	8.7	8.0	8.0	8.7	8.7	8.7	8.0	8.0
80°	60.9	19.4	8.7	6.7	6.7	6.7	6.7	7.4	8.0	7.4	7.4
82.5°	24.8	10.7	6.0	5.4	5.4	5.4	5.4	6.0	6.7	6.7	6.7
85°	15.4	5.4	4.7	4.7	4.7	4.0	4.0	4.7	4.7	5.4	5.4
87.5°	9.4	4.0	4.0	4.0	4.0	3.3	3.3	3.3	3.3	3.3	3.3
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)