

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: P631871

Luminaire Tested: GWS-SA2B-750-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631871
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-750-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5596.1 lumens
Efficiency: N/A
Efficacy: 120.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

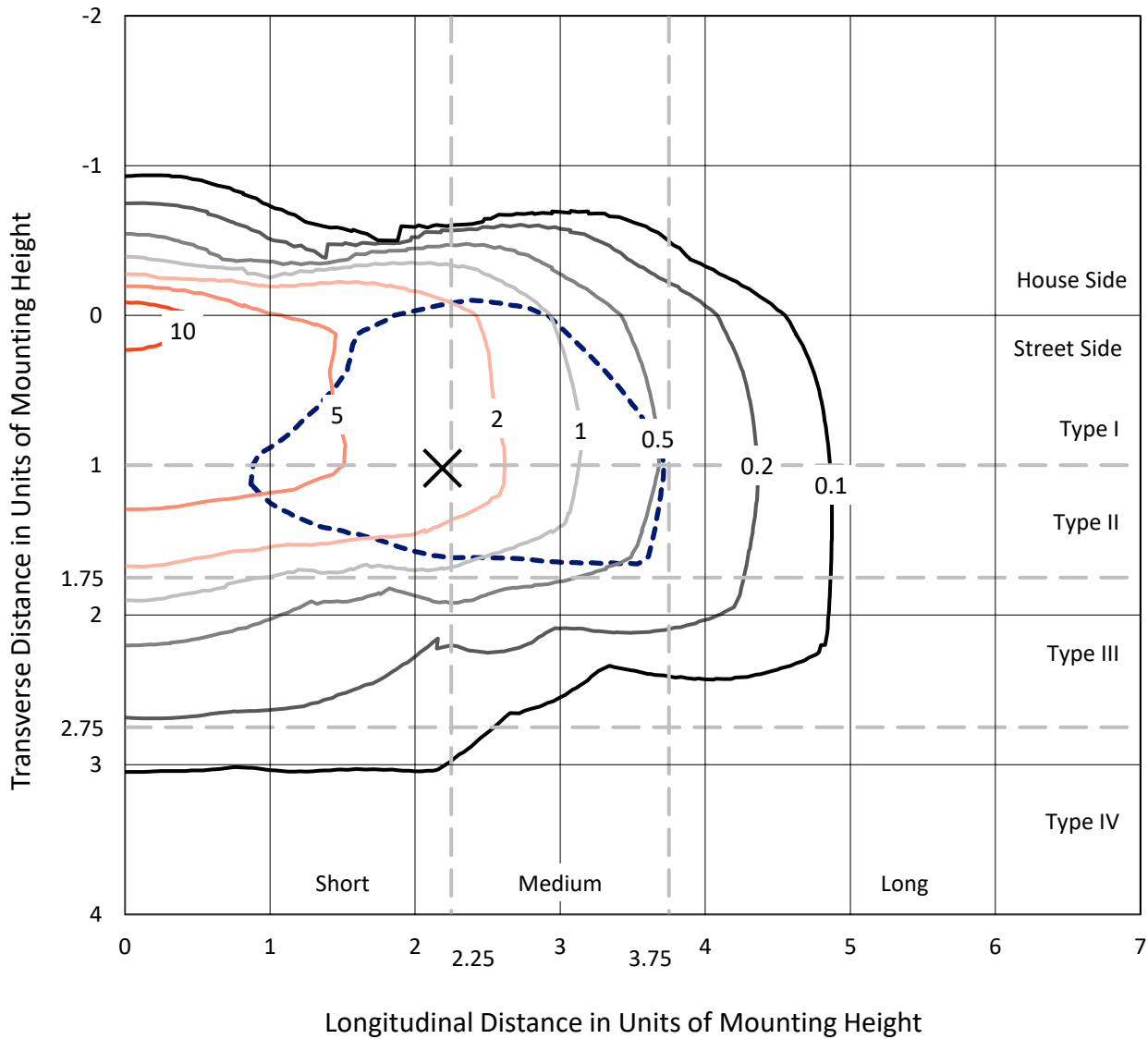
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

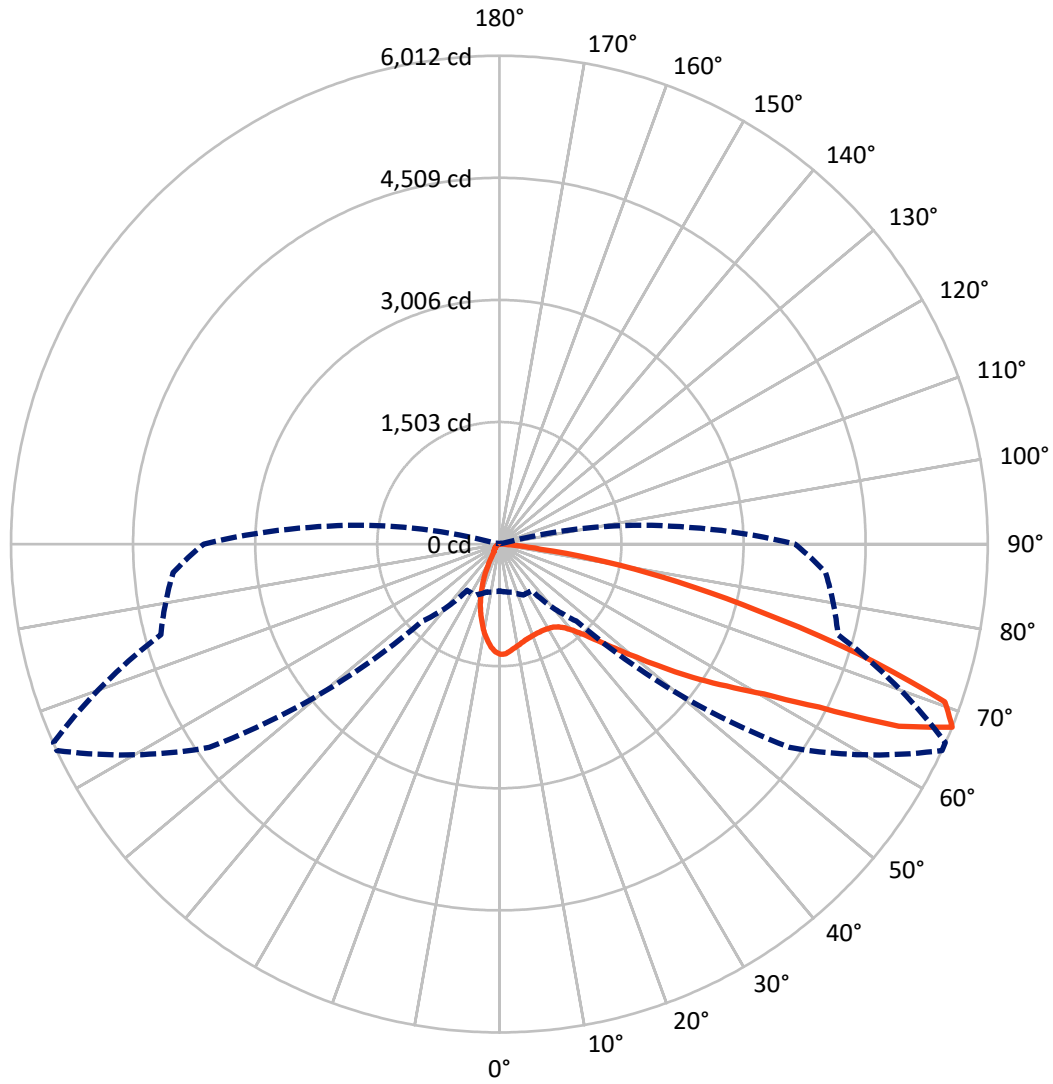
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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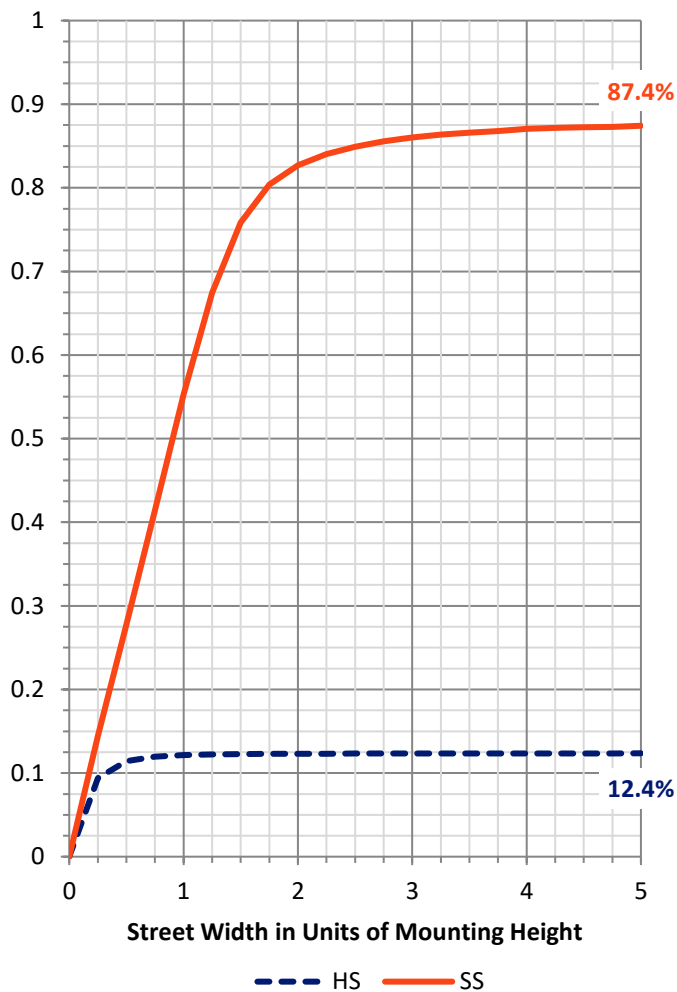
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	698.8	0.0	698.8
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	4897.3	0.0	4897.3
	% Fixture	87.5	0.0	87.5
Total	Lumens	5596.1	0.0	5596.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.7	2.0
10°-20°	253.4	4.5
20°-30°	362.1	6.5
30°-40°	526.8	9.4
40°-50°	825.1	14.7
50°-60°	1287.1	23.0
60°-70°	1413.8	25.3
70°-80°	752.4	13.4
80°-90°	62.6	1.1
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°	5596.1	100.0
0°-180°	5596.1	100.0

Coefficient of Utilization



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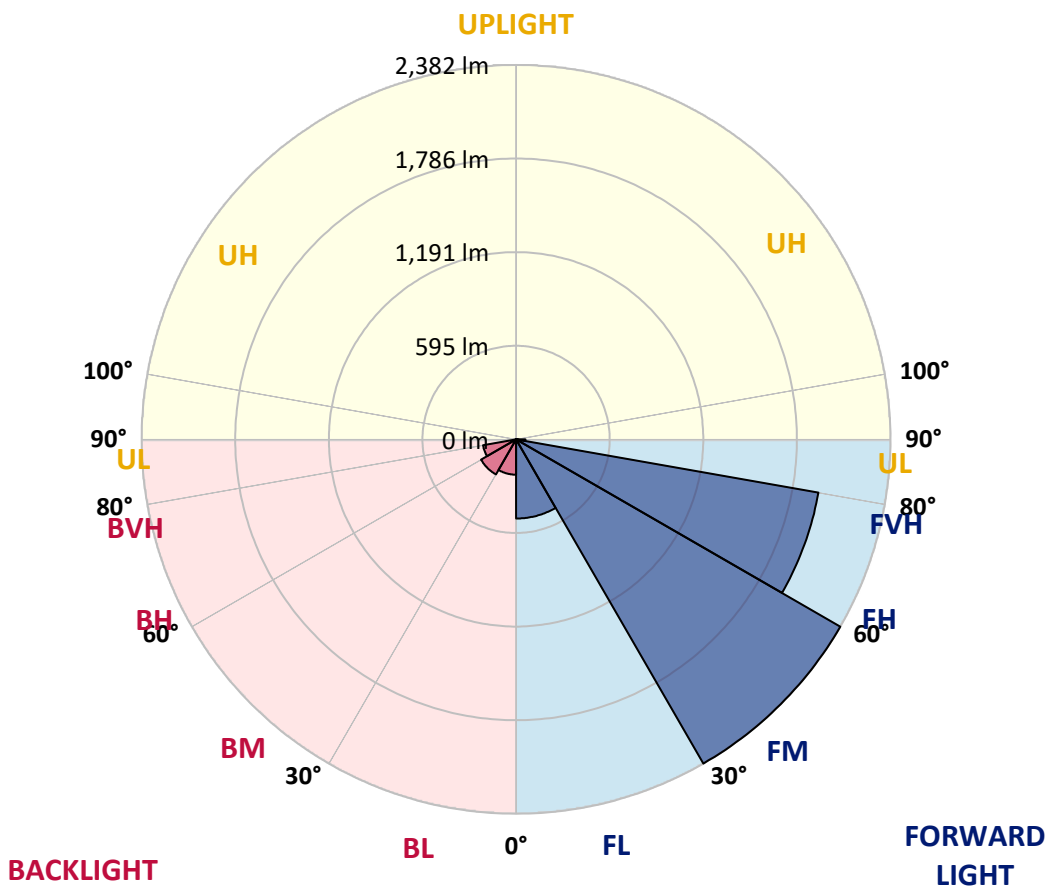
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	503.6	9.0			
FM (30°-60°)	2381.6	42.6			
FH (60°-80°)	1952.8	34.9			G2/5000
FVH (80°-90°)	59.3	1.1			G1/100
BL (0°-30°)	224.6	4.0	B1/500		
BM (30°-60°)	257.4	4.6	B1/1000		
BH (60°-80°)	213.4	3.8	B1/500		G1/500
BVH (80°-90°)	3.3	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1357.2	1357.2	1357.2	1357.2	1357.2	1357.2	1357.2	1357.2	1357.2	1357.2	1357.2
2.5°	1310.2	1314.2	1308.6	1322.3	1324.8	1340.0	1348.6	1354.7	1354.2	1361.8	1361.8
5°	1233.2	1237.3	1234.3	1248.9	1260.6	1284.4	1304.1	1326.9	1327.9	1351.2	1359.8
7.5°	1168.0	1168.5	1168.5	1186.7	1201.9	1231.2	1260.6	1295.5	1299.5	1335.5	1358.2
10°	1114.3	1115.8	1116.3	1137.1	1153.8	1189.2	1226.7	1268.7	1273.2	1321.8	1357.2
12.5°	1077.4	1077.9	1079.9	1101.7	1119.9	1156.8	1194.8	1242.9	1248.9	1306.1	1352.7
15°	1059.7	1058.7	1059.7	1077.9	1096.1	1131.5	1170.5	1222.1	1228.7	1293.0	1353.2
17.5°	1058.7	1057.1	1056.1	1069.8	1081.4	1112.8	1152.3	1208.5	1215.5	1286.9	1358.7
20°	1073.3	1072.3	1067.3	1073.3	1075.9	1101.7	1140.6	1197.8	1204.9	1285.9	1370.9
22.5°	1111.8	1109.3	1101.7	1096.1	1082.4	1097.6	1132.5	1190.2	1198.3	1288.4	1386.6
25°	1169.0	1168.0	1158.4	1144.7	1109.8	1103.7	1133.0	1190.2	1197.8	1291.4	1403.3
27.5°	1255.0	1248.9	1236.8	1213.0	1162.9	1127.5	1143.2	1193.3	1200.9	1295.5	1416.9
30°	1342.6	1342.0	1338.0	1313.7	1239.3	1173.0	1164.4	1201.4	1208.5	1299.0	1429.6
32.5°	1433.1	1434.7	1444.8	1426.1	1344.6	1240.8	1202.9	1218.1	1223.1	1306.1	1440.7
35°	1519.2	1522.2	1549.0	1555.6	1472.6	1343.6	1265.6	1251.5	1252.0	1321.8	1455.4
37.5°	1601.7	1611.8	1654.8	1686.7	1632.0	1468.1	1356.2	1308.1	1304.1	1353.2	1477.7
40°	1695.3	1714.5	1768.7	1822.8	1805.6	1632.5	1479.7	1395.2	1386.6	1410.9	1517.6
42.5°	1799.0	1819.8	1891.6	1967.5	1975.6	1831.4	1634.0	1522.2	1507.5	1508.0	1592.5
45°	1910.3	1938.2	2021.7	2131.0	2180.1	2053.1	1824.3	1693.8	1679.1	1657.3	1713.0
47.5°	2056.6	2080.9	2161.3	2287.4	2381.5	2290.9	2073.8	1914.4	1887.6	1855.7	1900.2
50°	2182.6	2203.9	2273.2	2431.1	2626.9	2597.6	2356.7	2190.2	2164.4	2110.2	2147.2
52.5°	2210.4	2227.1	2290.9	2468.5	2814.7	2984.7	2703.3	2523.7	2505.5	2405.3	2419.4
55°	2085.4	2110.7	2167.9	2365.3	2863.7	3363.2	3153.2	2899.7	2861.7	2701.8	2727.1
57.5°	1769.7	1814.7	1868.3	2124.9	2730.7	3564.6	3781.7	3297.9	3263.5	2987.2	2987.7
60°	1297.0	1333.4	1369.4	1604.2	2414.9	3551.0	4352.0	3745.3	3682.5	3220.5	3211.9
62.5°	943.3	962.0	961.5	1045.0	1658.3	3317.2	4651.6	4419.3	4273.1	3470.0	3420.9
65°	741.9	741.4	763.1	790.5	926.1	2560.6	4688.6	5403.6	5245.7	3804.5	3702.3
67.5°	577.4	588.5	610.3	690.8	695.8	1340.0	4363.7	6012.4	6009.4	4315.1	4031.7
70°	445.3	460.5	491.4	608.8	642.7	750.0	3265.0	5819.6	5868.7	4543.3	3798.4
72.5°	285.9	284.9	330.5	491.9	617.4	625.0	1805.6	4622.8	4678.4	4115.2	3071.2
75°	159.9	160.9	186.7	301.1	575.4	588.0	894.2	3296.4	3340.4	3208.4	2359.7
77.5°	62.8	64.8	87.5	158.4	379.5	525.3	531.4	2247.9	2254.5	1988.3	1447.3
80°	25.3	26.8	44.5	98.2	231.3	353.7	379.5	1324.3	1297.5	769.7	421.0
82.5°	7.6	8.1	17.7	55.7	120.9	251.5	256.1	508.1	479.7	165.5	107.3
85°	0.5	0.5	4.0	17.2	43.0	63.3	170.5	165.5	146.8	41.5	47.6
87.5°	0.0	0.0	0.5	0.5	1.0	2.0	18.2	30.4	30.9	7.6	21.3
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°	1357.2	1357.2	1357.2	1357.2	1357.2	1357.2	1357.2	1357.2	1357.2	1357.2	1357.2
2.5°	1361.8	1343.6	1342.0	1327.9	1313.7	1296.0	1275.3	1260.1	1249.4	1230.7	1227.2
5°	1359.8	1335.5	1312.7	1272.2	1227.2	1178.6	1136.1	1096.6	1071.8	1055.1	1048.0
7.5°	1355.7	1324.8	1272.2	1195.8	1120.4	1035.4	969.1	908.4	866.9	842.6	831.9
10°	1352.7	1311.2	1225.7	1109.8	992.9	875.5	774.8	684.7	634.6	595.1	588.5
12.5°	1346.6	1291.4	1165.9	1009.1	858.3	702.4	573.9	463.5	387.1	352.7	340.6
15°	1340.5	1270.7	1106.2	902.8	711.5	519.2	363.3	257.1	204.4	188.3	187.2
17.5°	1339.5	1252.0	1041.5	802.1	557.7	340.1	207.0	166.5	155.4	151.3	151.3
20°	1342.6	1236.3	977.7	686.2	406.4	207.0	154.3	144.2	137.6	134.1	134.1
22.5°	1345.6	1220.1	916.5	569.3	269.7	151.3	136.1	127.5	119.9	115.9	113.9
25°	1347.6	1202.4	848.6	451.9	176.1	131.6	119.4	108.3	99.2	94.1	94.1
27.5°	1347.1	1181.1	780.3	337.0	136.6	116.9	102.2	90.6	81.5	75.9	76.4
30°	1343.1	1157.8	709.5	235.3	119.4	102.2	87.5	75.4	66.3	61.7	61.2
32.5°	1340.0	1133.0	627.5	165.5	107.3	89.6	74.4	62.8	55.2	51.6	51.1
35°	1336.5	1108.8	549.6	126.0	96.7	77.4	62.8	53.1	47.1	44.0	44.0
37.5°	1337.5	1083.5	465.1	108.3	86.0	67.3	53.6	45.5	40.5	37.4	36.9
40°	1353.2	1068.3	382.1	98.2	76.4	58.2	46.6	39.5	34.4	31.4	30.9
42.5°	1392.1	1068.8	302.6	90.6	67.8	49.6	40.5	33.9	29.4	25.8	25.3
45°	1470.1	1090.0	232.3	82.5	58.7	43.0	34.9	28.8	24.3	21.3	20.7
47.5°	1597.6	1153.3	176.1	75.4	51.1	37.4	29.9	24.3	20.2	17.7	17.2
50°	1800.5	1267.7	138.7	66.8	43.0	32.4	25.3	20.2	16.7	14.2	13.7
52.5°	2044.4	1439.2	118.9	59.2	36.9	28.3	21.8	16.7	13.7	11.6	11.1
55°	2324.8	1644.2	109.8	51.6	31.4	24.3	17.7	13.7	11.1	9.6	8.6
57.5°	2581.9	1828.9	109.3	44.0	26.8	20.7	14.7	11.6	9.6	7.6	7.1
60°	2832.4	1983.2	102.7	36.4	23.3	17.2	12.7	9.6	8.1	6.6	6.1
62.5°	3059.6	2108.7	86.0	29.4	19.7	14.2	10.6	8.6	7.1	5.6	5.6
65°	3345.0	2268.6	65.8	23.8	16.2	11.6	9.1	7.6	6.6	5.1	5.1
67.5°	3640.0	2353.1	47.1	19.7	13.2	10.1	8.1	7.1	5.6	4.6	4.6
70°	3296.9	1988.3	33.9	16.2	11.1	8.6	7.1	6.6	5.6	4.6	4.0
72.5°	2574.8	1433.6	25.3	12.7	9.6	8.1	6.6	6.1	5.1	4.0	4.0
75°	1909.3	836.0	19.2	10.1	7.6	6.6	6.6	6.1	5.1	4.0	3.5
77.5°	1037.9	291.5	14.7	8.1	6.1	5.1	5.6	5.6	4.6	3.5	3.0
80°	274.8	80.0	10.1	6.1	5.1	4.0	4.0	5.1	4.0	3.0	3.0
82.5°	80.0	23.3	7.1	5.1	4.0	3.5	3.5	3.5	3.0	2.5	2.0
85°	39.0	8.6	5.1	4.0	3.5	3.0	2.5	2.5	2.0	1.5	1.5
87.5°	17.2	3.5	4.0	3.5	3.5	2.5	2.0	1.5	1.5	1.0	0.5
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)