

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: P633383

Luminaire Tested: GWS-SA2E-750-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633383
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-750-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10957.5 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

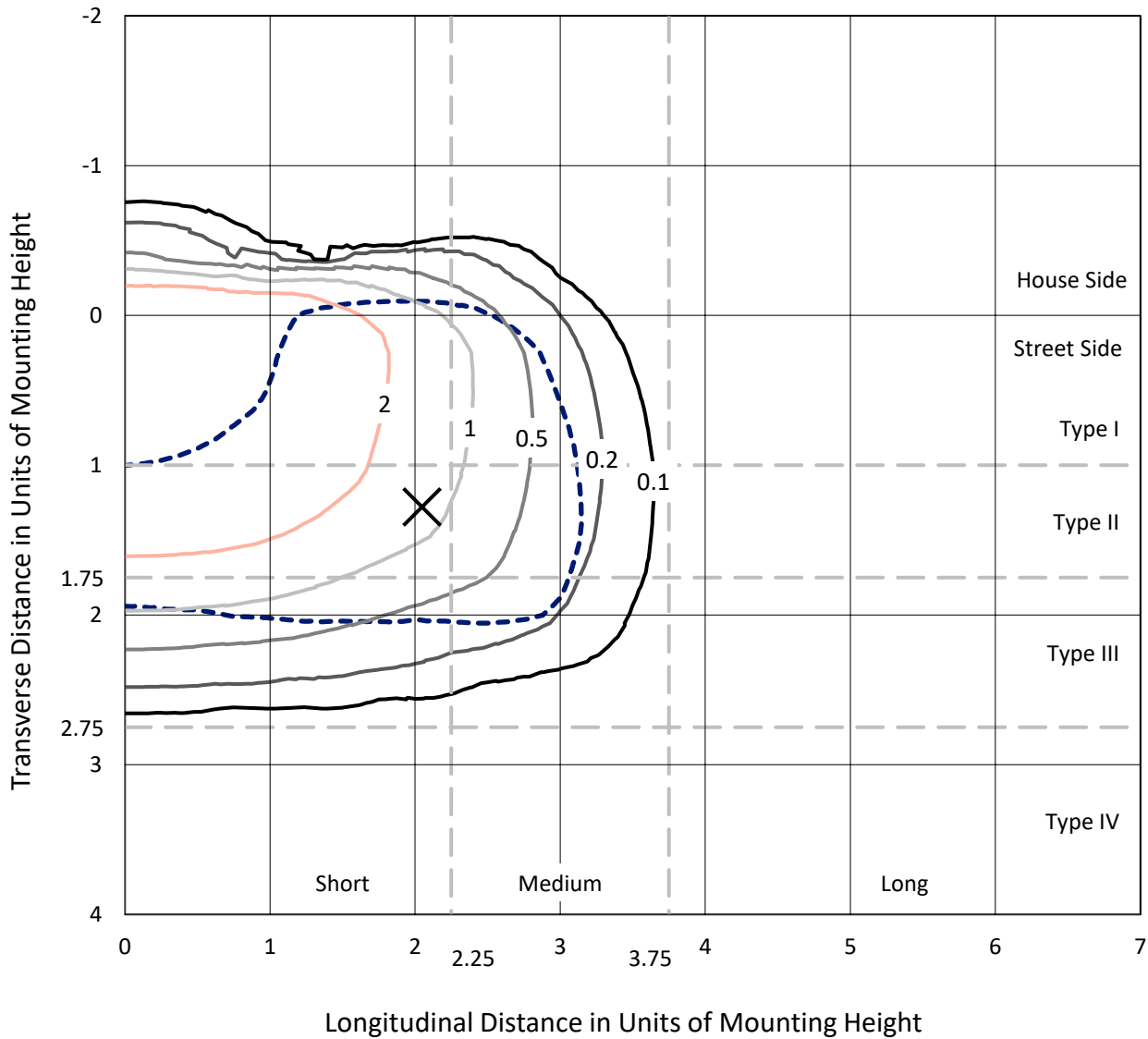
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633383
 CATALOG NUMBER: GWS-SA2E-750-U-T3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

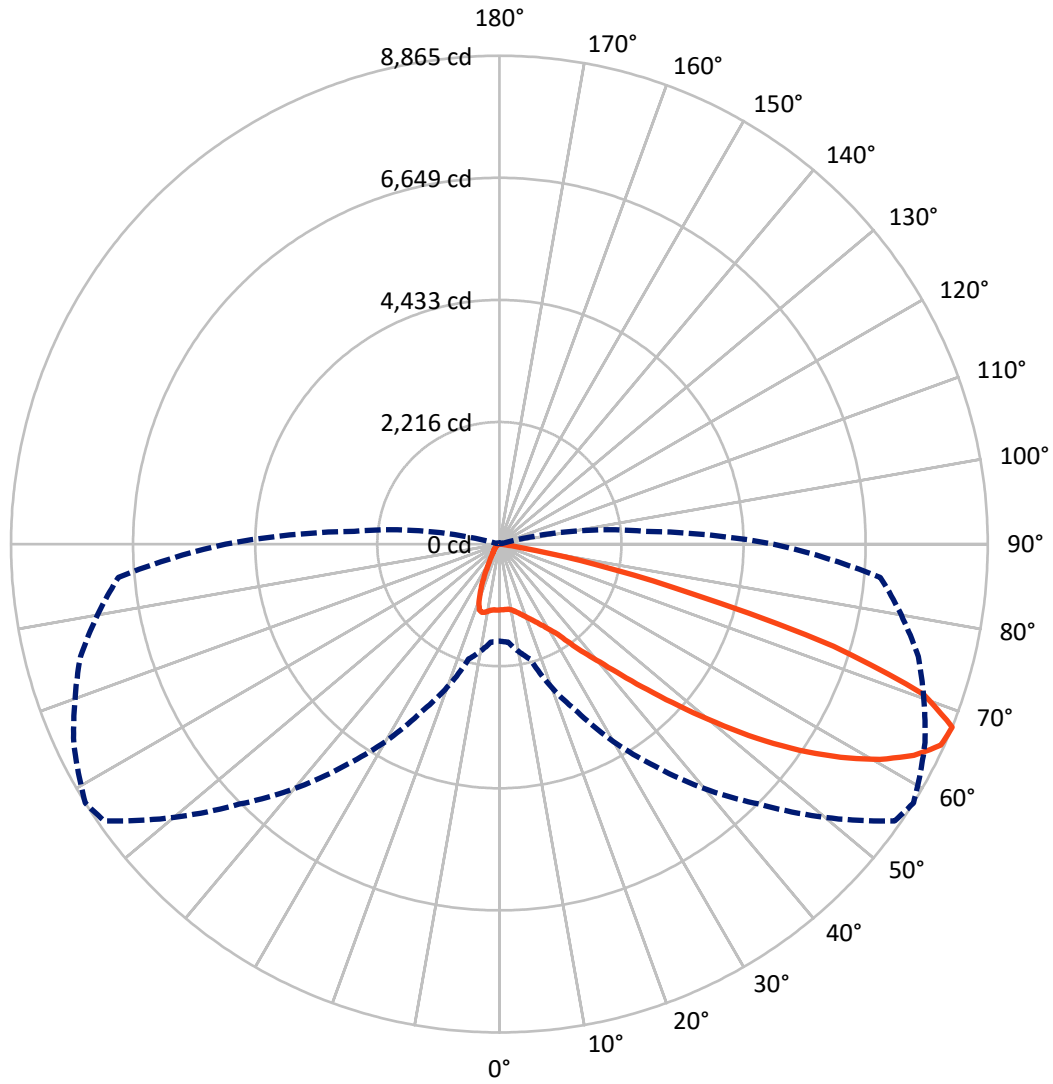
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.2 fc
 Type III - Short - N/A

REPORT NUMBER: P633383
CATALOG NUMBER: GWS-SA2E-750-U-T3-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P633383

CATALOG NUMBER: GWS-SA2E-750-U-T3-W-HSS

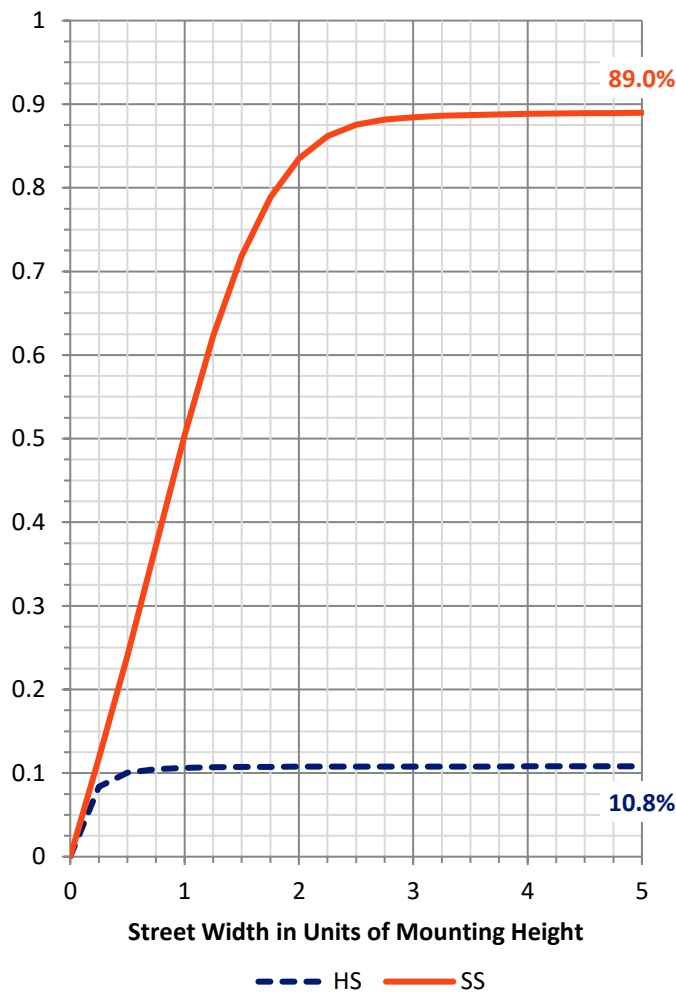
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1195.4	0.0	1195.4
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	9762.1	0.0	9762.1
	% Fixture	89.1	0.0	89.1
Total	Lumens	10957.5	0.0	10957.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.2	1.0
10°-20°	314.9	2.9
20°-30°	549.7	5.0
30°-40°	981.7	9.0
40°-50°	1794.4	16.4
50°-60°	2984.3	27.2
60°-70°	3241.5	29.6
70°-80°	951.7	8.7
80°-90°	27.1	0.2
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°	10957.5	100.0
0°-180°	10957.5	100.0

Coefficient of Utilization



REPORT NUMBER: P633383

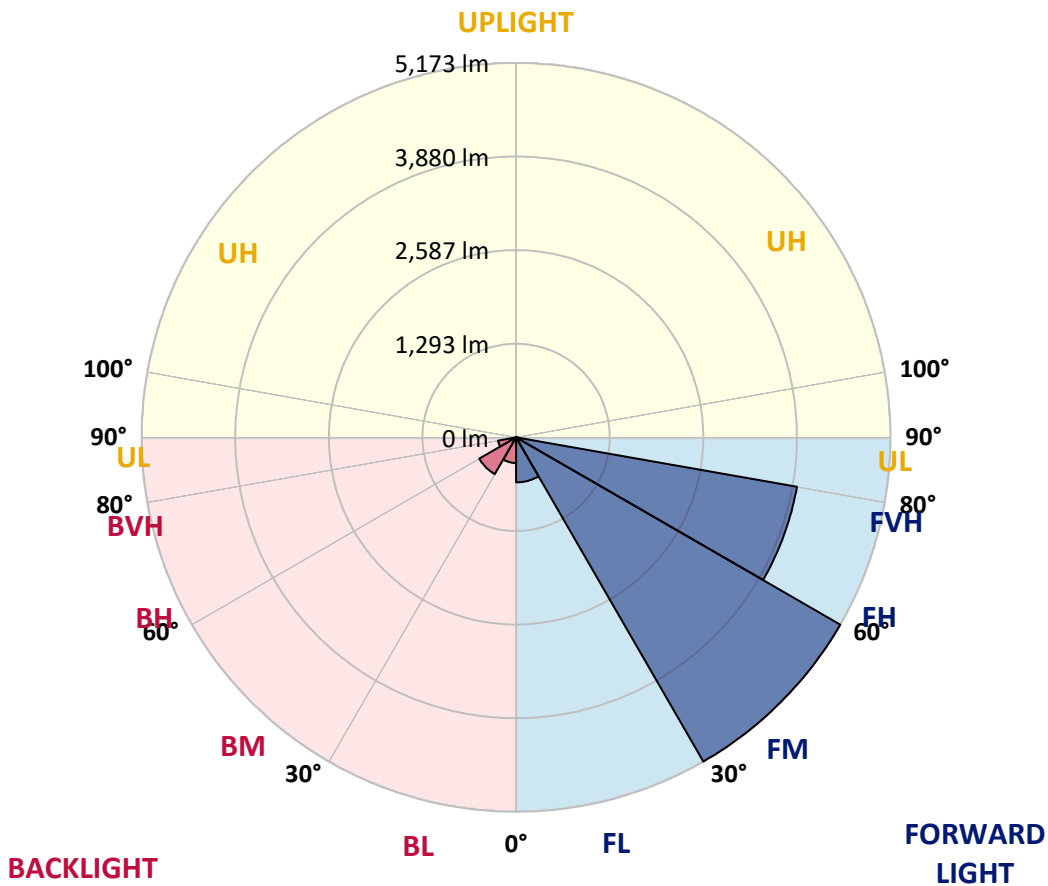
CATALOG NUMBER: GWS-SA2E-750-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	622.2	5.7			
FM (30°-60°)	5173.3	47.2			
FH (60°-80°)	3940.8	36.0			G2/5000
FVH (80°-90°)	25.8	0.2			G1/100
BL (0°-30°)	354.6	3.2	B1/500		
BM (30°-60°)	587.2	5.4	B1/1000		
BH (60°-80°)	252.3	2.3	B1/500		G1/500
BVH (80°-90°)	1.3	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 Short





REPORT NUMBER: P633383

CATALOG NUMBER: GWS-SA2E-750-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1194.0	1194.0	1194.0	1194.0	1194.0	1194.0	1194.0	1194.0	1194.0	1194.0	1194.0
2.5°	1171.6	1169.4	1169.4	1178.0	1179.1	1183.3	1193.0	1194.0	1199.4	1197.2	1189.8
5°	1110.6	1111.7	1118.1	1133.1	1145.9	1161.9	1185.5	1190.8	1202.6	1209.0	1204.7
7.5°	1053.9	1054.9	1064.6	1088.1	1112.7	1144.8	1183.3	1194.0	1217.6	1234.7	1235.8
10°	1032.5	1031.4	1041.0	1067.8	1099.9	1144.8	1200.5	1214.4	1249.7	1279.6	1285.0
12.5°	1038.9	1037.8	1047.5	1072.1	1107.4	1164.1	1230.4	1249.7	1294.6	1340.6	1350.2
15°	1064.6	1063.5	1069.9	1090.3	1128.8	1187.6	1268.9	1297.8	1354.5	1410.2	1425.1
17.5°	1141.6	1136.3	1129.8	1132.0	1154.5	1215.4	1318.2	1353.5	1424.1	1490.4	1503.2
20°	1278.6	1264.7	1247.5	1225.1	1214.4	1256.1	1374.9	1415.5	1501.1	1577.1	1579.2
22.5°	1485.1	1479.7	1440.1	1374.9	1328.9	1329.9	1441.2	1488.3	1593.1	1676.6	1664.8
25°	1772.9	1769.7	1708.7	1601.7	1481.9	1441.2	1525.7	1573.9	1702.3	1791.1	1753.6
27.5°	2130.2	2107.8	2036.1	1891.6	1713.0	1585.6	1632.7	1675.5	1817.8	1901.3	1830.6
30°	2441.6	2442.6	2375.2	2224.4	2023.2	1802.8	1763.2	1800.7	1923.7	2011.5	1925.9
32.5°	2741.2	2750.8	2677.0	2541.1	2320.7	2086.4	1950.5	1956.9	2059.6	2154.8	2051.1
35°	3019.3	3026.8	2975.5	2859.9	2654.5	2382.7	2211.5	2208.3	2264.0	2361.3	2225.5
37.5°	3330.7	3338.2	3287.9	3184.1	2991.5	2721.9	2507.9	2503.6	2526.1	2605.3	2450.1
40°	3662.4	3676.3	3620.6	3532.9	3348.9	3121.0	2852.4	2813.9	2791.4	2884.5	2741.2
42.5°	3998.3	4019.7	4000.5	3912.7	3755.4	3567.1	3299.7	3239.7	3191.6	3308.2	3156.3
45°	4415.6	4441.3	4432.7	4365.3	4243.3	4090.3	3837.8	3768.3	3745.8	3853.9	3673.1
47.5°	4816.8	4844.6	4875.7	4860.7	4774.0	4703.4	4423.1	4383.5	4377.1	4492.6	4212.3
50°	5115.3	5141.0	5259.8	5345.4	5404.2	5389.2	5146.4	5087.5	5077.9	5151.7	4781.5
52.5°	5329.3	5353.9	5517.6	5785.1	6001.2	6118.9	5873.9	5861.1	5808.6	5783.0	5314.3
55°	5495.2	5529.4	5701.6	6106.1	6541.5	6802.6	6649.6	6603.6	6468.8	6321.1	5808.6
57.5°	5528.3	5542.2	5785.1	6330.8	6961.0	7383.6	7383.6	7303.3	7043.3	6839.0	6380.0
60°	5230.9	5273.7	5602.1	6312.6	7140.7	7763.4	7992.4	7936.7	7585.8	7334.4	6929.9
62.5°	4570.7	4618.9	5019.0	5877.1	6961.0	7841.5	8453.5	8444.9	8049.1	7744.1	7385.7
65°	3505.1	3540.4	3889.2	4916.3	6201.3	7540.9	8783.0	8806.6	8415.0	8014.8	7543.0
67.5°	1761.1	1785.7	2162.3	3358.5	4915.3	6675.3	8760.6	8865.4	8526.3	7871.5	6942.8
70°	615.2	639.8	817.4	1441.2	2991.5	5097.1	8003.1	8174.3	7872.5	6719.2	5121.7
72.5°	210.8	222.5	339.2	535.0	1164.1	3021.5	6085.8	6343.6	5803.3	4510.8	2943.4
75°	119.8	127.3	181.9	290.0	487.9	994.0	3452.7	3611.0	3383.1	2458.7	1211.2
77.5°	81.3	87.7	113.4	164.8	269.6	319.9	1408.0	1772.9	1546.0	802.4	309.2
80°	48.1	52.4	69.5	97.4	138.0	124.1	301.7	401.2	516.8	239.7	93.1
82.5°	22.5	25.7	44.9	64.2	69.5	52.4	88.8	108.1	145.5	117.7	38.5
85°	0.0	0.0	15.0	26.7	25.7	15.0	24.6	26.7	39.6	58.8	15.0
87.5°	0.0	0.0	0.0	0.0	0.0	1.1	2.1	3.2	6.4	11.8	6.4
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: P633383

CATALOG NUMBER: GWS-SA2E-750-U-T3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1194.0	1194.0	1194.0	1194.0	1194.0	1194.0	1194.0	1194.0	1194.0	1194.0	1194.0
2.5°	1198.3	1190.8	1199.4	1195.1	1199.4	1198.3	1189.8	1184.4	1184.4	1174.8	1171.6
5°	1213.3	1205.8	1207.9	1198.3	1196.2	1190.8	1180.1	1175.9	1175.9	1166.2	1163.0
7.5°	1246.5	1234.7	1232.6	1213.3	1204.7	1189.8	1170.5	1163.0	1161.9	1152.3	1149.1
10°	1298.9	1285.0	1275.4	1250.7	1226.1	1196.2	1155.5	1121.3	1102.0	1076.3	1074.2
12.5°	1363.1	1346.0	1331.0	1293.5	1252.9	1185.5	1065.6	940.5	863.4	802.4	806.7
15°	1434.8	1418.7	1395.2	1338.5	1255.0	1079.6	829.2	636.6	542.5	492.2	490.0
17.5°	1512.9	1489.3	1450.8	1373.8	1187.6	824.9	539.2	380.9	331.7	314.6	310.3
20°	1585.6	1556.7	1508.6	1381.3	992.9	558.5	337.0	295.3	286.7	281.4	281.4
22.5°	1662.7	1626.3	1554.6	1323.5	738.3	357.4	286.7	277.1	270.7	263.2	262.1
25°	1740.8	1693.7	1596.3	1172.6	483.6	281.4	268.6	257.9	246.1	234.3	231.1
27.5°	1807.1	1746.1	1628.4	948.0	310.3	253.6	245.0	226.8	210.8	197.9	195.8
30°	1886.3	1808.2	1642.3	693.3	243.9	223.6	210.8	191.5	172.3	159.4	155.1
32.5°	1992.2	1906.6	1620.9	451.5	216.1	196.9	176.5	154.1	134.8	120.9	118.8
35°	2157.0	2055.3	1522.5	287.8	195.8	170.1	145.5	122.0	105.9	95.2	93.1
37.5°	2358.1	2264.0	1360.9	216.1	175.5	147.7	118.8	96.3	84.5	77.0	74.9
40°	2656.6	2525.0	1160.9	189.4	155.1	125.2	97.4	79.2	70.6	64.2	62.1
42.5°	3043.9	2833.2	930.8	172.3	135.9	104.9	79.2	65.3	57.8	53.5	52.4
45°	3496.5	3133.8	688.0	155.1	117.7	86.7	65.3	53.5	48.1	44.9	43.9
47.5°	3959.8	3397.0	475.0	137.0	100.6	71.7	54.6	46.0	41.7	37.4	36.4
50°	4454.1	3619.6	324.2	118.8	85.6	58.8	47.1	41.7	36.4	33.2	32.1
52.5°	4816.8	3702.0	225.8	102.7	72.8	50.3	41.7	37.4	33.2	28.9	27.8
55°	5151.7	3699.8	171.2	86.7	62.1	43.9	37.4	33.2	28.9	25.7	24.6
57.5°	5485.5	3670.9	134.8	73.8	53.5	39.6	33.2	28.9	26.7	22.5	21.4
60°	5701.6	3561.8	104.9	62.1	46.0	34.2	28.9	25.7	22.5	19.3	18.2
62.5°	5816.1	3409.9	80.2	49.2	37.4	30.0	25.7	22.5	19.3	16.0	15.0
65°	5661.0	3140.2	63.1	38.5	28.9	25.7	21.4	18.2	15.0	11.8	10.7
67.5°	4973.0	2648.1	49.2	31.0	22.5	19.3	18.2	15.0	10.7	8.6	7.5
70°	3514.7	1813.5	38.5	23.5	17.1	15.0	13.9	11.8	8.6	6.4	5.3
72.5°	1929.1	914.8	27.8	17.1	12.8	11.8	10.7	9.6	7.5	5.3	5.3
75°	742.5	251.4	20.3	11.8	8.6	8.6	7.5	7.5	6.4	4.3	4.3
77.5°	193.7	74.9	12.8	7.5	5.3	5.3	5.3	4.3	4.3	3.2	3.2
80°	62.1	24.6	7.5	5.3	4.3	3.2	3.2	2.1	3.2	2.1	2.1
82.5°	20.3	8.6	4.3	4.3	3.2	2.1	2.1	1.1	1.1	0.0	0.0
85°	7.5	4.3	3.2	2.1	2.1	2.1	1.1	0.0	0.0	0.0	0.0
87.5°	4.3	2.1	2.1	2.1	2.1	1.1	0.0	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)