

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: P631942

Luminaire Tested: GWS-SA2B-760-U-T1-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631942
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-760-U-T1-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6949.9 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type I - Medium
BUG Rating: B3 - U0 - G3

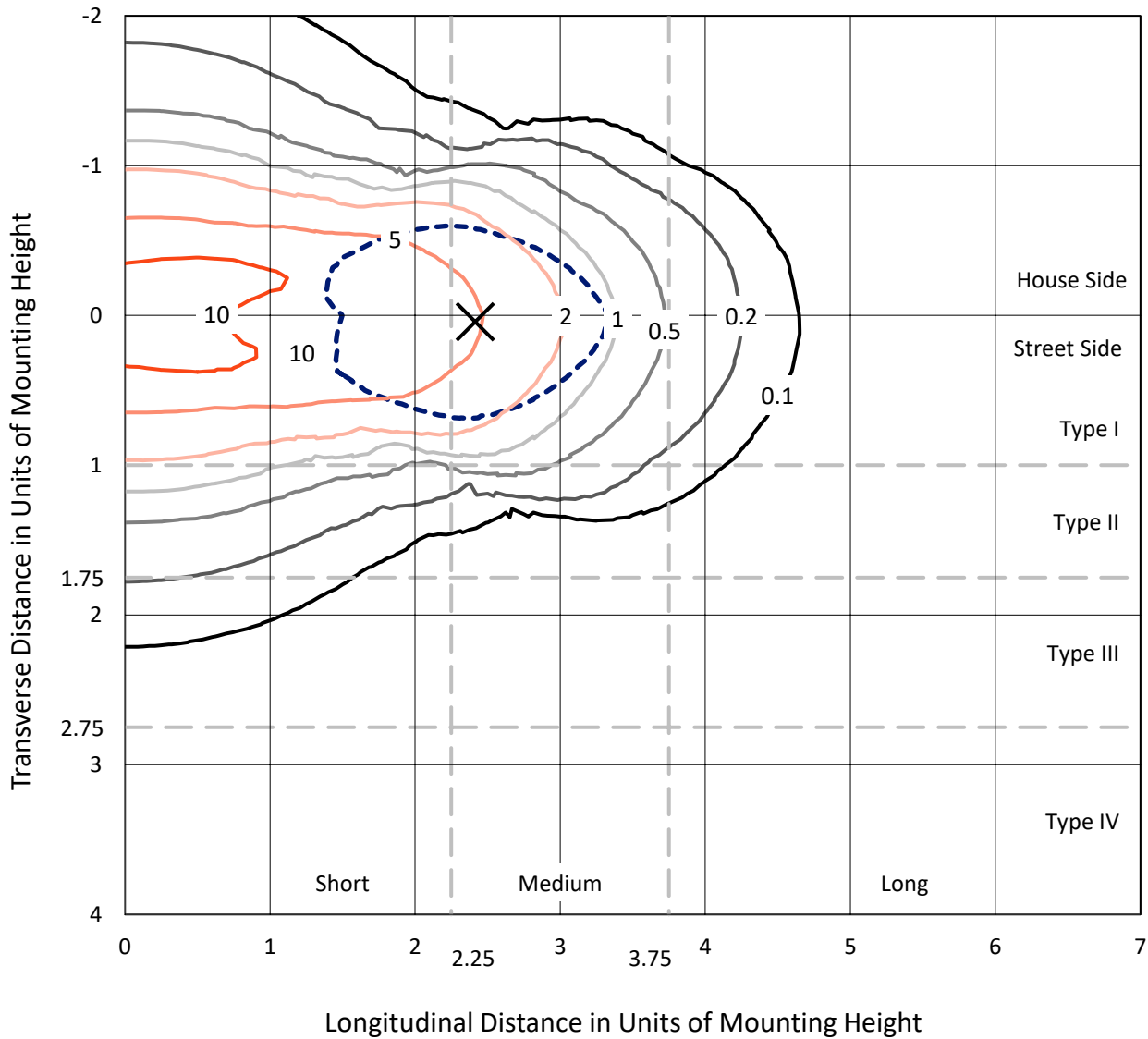
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

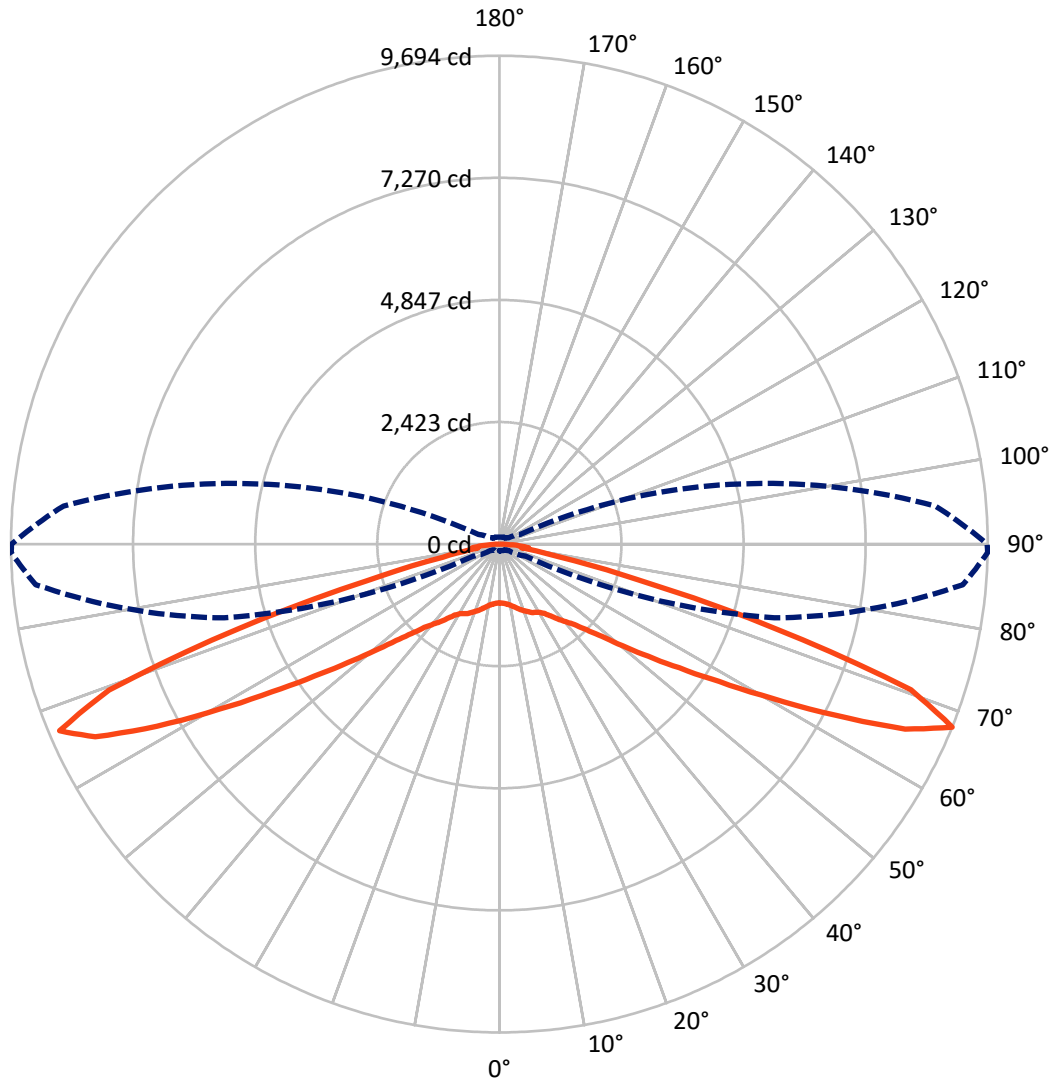
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.7 fc
 Type I - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 89-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3444.5	0.0	3444.5
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	3505.4	0.0	3505.4
	% Fixture	50.4	0.0	50.4
Total	Lumens	6949.9	0.0	6949.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.0	1.7
10°-20°	381.0	5.5
20°-30°	644.1	9.3
30°-40°	883.9	12.7
40°-50°	1127.1	16.2
50°-60°	1414.2	20.3
60°-70°	1705.6	24.5
70°-80°	617.0	8.9
80°-90°	60.0	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°	6949.9	100.0
0°-180°	6949.9	100.0

Coefficient of Utilization



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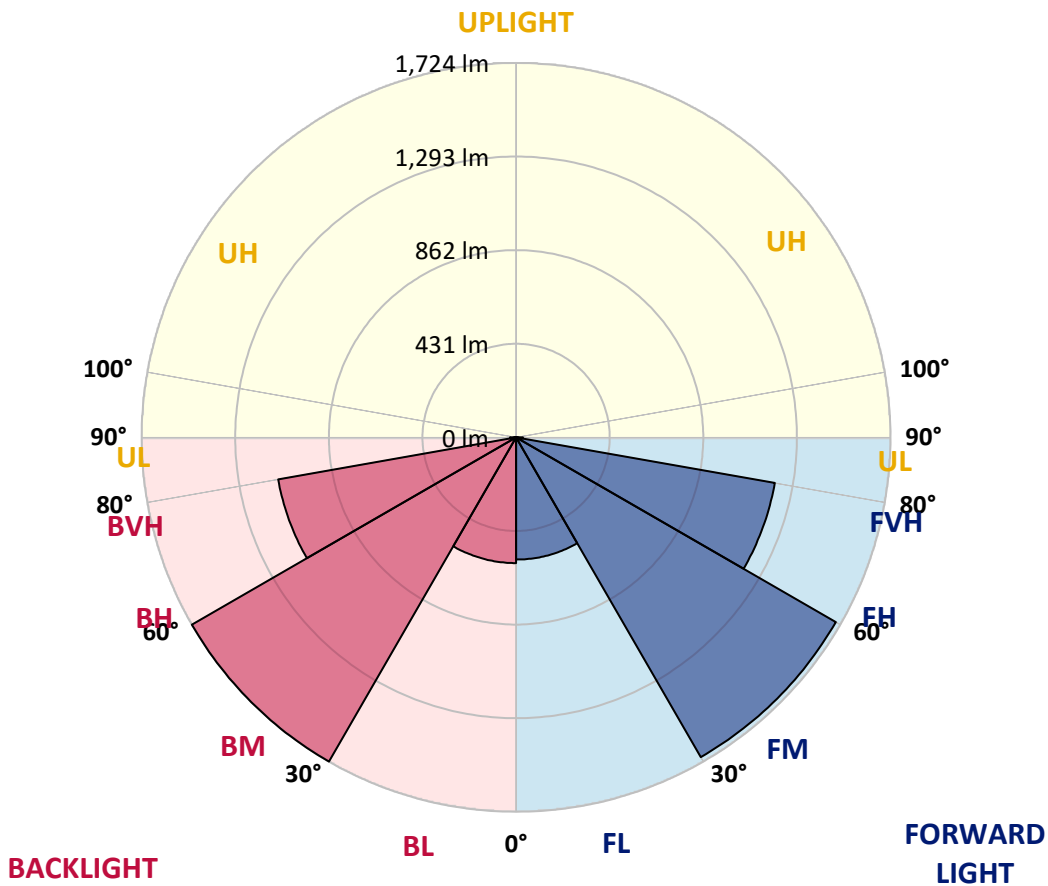
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	562.9	8.1			
FM (30°-60°)	1700.8	24.5			
FH (60°-80°)	1210.1	17.4			G1/1800
FVH (80°-90°)	31.7	0.5			G1/100
BL (0°-30°)	579.2	8.3	B2/1000		
BM (30°-60°)	1724.4	24.8	B2/2500		
BH (60°-80°)	1112.6	16.0	B3/2500		G3/2500
BVH (80°-90°)	28.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°	
0°	1166.5	1166.5	1166.5	1166.5	1166.5	1166.5	1166.5	1166.5	1166.5	1166.5	1166.5	1166.5
2.5°	1170.0	1169.0	1166.5	1174.0	1172.5	1173.0	1176.0	1174.0	1170.5	1164.5	1164.5	1173.0
5°	1202.9	1202.4	1196.9	1201.4	1196.4	1192.9	1192.4	1187.4	1183.5	1177.0	1177.0	1186.0
7.5°	1234.9	1234.4	1229.9	1237.9	1233.9	1229.9	1225.4	1215.4	1205.9	1196.4	1196.4	1206.4
10°	1259.3	1258.8	1257.8	1269.3	1270.3	1271.8	1269.8	1252.8	1236.4	1224.9	1224.9	1234.9
12.5°	1273.3	1274.8	1277.3	1298.3	1308.7	1318.7	1321.2	1307.2	1279.8	1263.3	1263.3	1275.3
15°	1263.8	1266.8	1279.3	1317.2	1346.2	1368.6	1378.1	1366.6	1331.2	1303.7	1303.7	1317.2
17.5°	1218.4	1220.9	1245.3	1303.2	1367.1	1419.0	1434.5	1427.5	1388.1	1354.7	1354.7	1367.6
20°	1155.5	1161.0	1187.4	1268.3	1363.6	1454.0	1495.4	1492.9	1450.0	1398.6	1398.6	1414.1
22.5°	1098.6	1105.1	1133.0	1222.4	1340.2	1463.0	1556.8	1563.3	1506.4	1442.5	1442.5	1455.0
25°	1034.7	1040.7	1076.6	1168.0	1299.8	1456.0	1609.2	1638.7	1570.3	1492.9	1492.9	1504.4
27.5°	969.3	973.8	1009.3	1106.6	1246.8	1443.0	1650.6	1721.5	1633.2	1527.9	1527.9	1535.8
30°	911.9	917.9	950.4	1045.2	1188.9	1417.1	1684.6	1809.9	1705.6	1567.3	1567.3	1573.8
32.5°	856.5	861.5	897.0	984.8	1127.6	1377.1	1715.0	1913.7	1812.9	1640.7	1640.7	1640.7
35°	786.6	795.6	835.6	926.9	1069.7	1324.2	1737.0	2034.5	1959.6	1749.0	1749.0	1749.5
37.5°	722.3	727.2	769.2	861.5	1008.8	1264.3	1739.0	2159.8	2145.3	1886.7	1886.7	1887.7
40°	648.9	655.4	700.3	791.6	938.9	1201.4	1720.0	2276.6	2340.0	2028.5	2028.5	2023.0
42.5°	574.5	584.0	626.9	716.3	863.5	1124.6	1669.6	2387.9	2587.0	2192.7	2192.7	2179.2
45°	502.6	508.6	551.5	635.9	777.2	1032.7	1588.8	2494.7	2880.5	2442.3	2442.3	2422.8
47.5°	421.8	424.3	468.7	549.6	687.8	930.4	1473.0	2590.0	3203.0	2772.7	2772.7	2739.3
50°	349.9	353.4	388.3	457.7	578.5	809.1	1328.7	2645.9	3613.8	3223.4	3223.4	3165.5
52.5°	283.0	286.5	314.5	369.9	478.2	670.8	1150.0	2633.0	4030.5	3783.0	3783.0	3698.6
55°	228.6	231.1	250.1	293.5	376.3	533.6	938.9	2516.7	4493.2	4513.7	4513.7	4332.0
57.5°	193.2	194.2	207.1	233.6	294.0	411.3	724.7	2242.1	4978.4	5446.1	5446.1	5147.6
60°	172.7	173.2	179.2	195.7	232.1	314.0	531.1	1804.9	5481.0	6612.6	6612.6	6203.3
62.5°	159.7	159.7	164.7	174.2	192.7	241.6	390.3	1296.3	5841.9	7881.9	7881.9	7475.1
65°	147.2	147.2	150.7	158.7	168.7	197.2	293.0	836.1	6019.1	8943.0	8943.0	8852.7
67.5°	131.3	131.8	134.3	142.8	151.7	164.7	222.1	565.5	5651.2	9236.5	9236.5	9693.8
70°	116.3	116.8	120.3	125.8	133.3	142.3	173.7	389.8	4113.4	7692.7	7692.7	8667.5
72.5°	99.8	101.8	104.3	110.3	114.8	121.3	141.8	252.6	2393.4	4948.5	4948.5	5729.6
75°	81.9	84.4	87.3	93.3	96.3	98.8	116.8	180.2	1151.5	2507.7	2507.7	2855.6
77.5°	63.4	65.9	69.4	74.9	76.9	79.9	89.3	130.3	551.5	1111.6	1111.6	1198.4
80°	42.4	43.4	46.4	52.9	56.4	58.4	65.9	88.8	239.6	446.2	446.2	442.2
82.5°	26.0	26.5	27.5	31.4	32.9	34.9	42.9	54.4	114.3	507.1	507.1	581.5
85°	9.5	9.0	8.5	11.0	13.0	15.0	20.0	27.5	49.9	348.4	348.4	389.8
87.5°	0.0	0.0	0.0	0.5	1.0	1.0	2.0	4.0	12.0	130.3	130.3	89.3
90°	0.0	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°	1166.5	1166.5	1166.5	1166.5	1166.5	1166.5	1166.5	1166.5	1166.5	1166.5	1166.5
2.5°	1170.5	1165.0	1172.0	1177.0	1187.9	1191.9	1192.9	1189.4	1189.4	1183.5	1184.5
5°	1184.0	1180.5	1191.9	1200.4	1216.4	1222.4	1226.4	1223.9	1225.4	1221.4	1222.4
7.5°	1204.4	1201.4	1221.4	1237.9	1254.3	1261.3	1264.8	1262.8	1263.3	1258.3	1259.8
10°	1232.9	1233.9	1257.8	1279.3	1301.3	1308.2	1309.7	1303.7	1298.8	1289.8	1290.3
12.5°	1271.8	1276.8	1310.7	1334.7	1357.2	1367.1	1356.2	1334.2	1313.7	1298.3	1296.3
15°	1314.2	1323.2	1372.1	1402.6	1427.0	1422.0	1389.6	1340.2	1299.8	1276.8	1272.3
17.5°	1365.1	1378.6	1440.0	1476.4	1497.4	1465.5	1397.6	1323.7	1267.3	1236.4	1230.4
20°	1413.1	1434.5	1511.9	1559.3	1561.8	1489.9	1394.1	1290.3	1219.4	1181.5	1173.5
22.5°	1457.0	1484.4	1587.3	1647.7	1615.2	1500.9	1372.6	1242.9	1161.5	1117.1	1110.1
25°	1504.9	1543.8	1675.1	1731.5	1668.6	1496.4	1327.7	1184.0	1091.6	1046.2	1041.2
27.5°	1537.8	1586.8	1763.5	1817.4	1712.5	1471.0	1269.8	1119.6	1027.7	984.8	977.8
30°	1575.8	1638.2	1860.8	1910.7	1739.5	1433.5	1207.9	1059.7	968.3	921.9	916.9
32.5°	1644.7	1723.0	1981.6	2009.5	1748.0	1387.1	1148.5	1001.8	906.4	860.0	853.0
35°	1755.5	1847.3	2151.3	2119.8	1741.5	1336.2	1092.1	933.9	843.0	799.6	792.6
37.5°	1895.2	2009.5	2340.5	2219.2	1723.5	1280.3	1025.2	877.0	786.1	742.2	738.2
40°	2025.5	2166.3	2552.6	2305.0	1687.1	1211.4	960.8	817.6	724.7	678.3	669.3
42.5°	2188.7	2375.9	2798.2	2379.4	1627.2	1129.0	888.5	744.2	647.9	606.0	595.0
45°	2436.8	2669.4	3083.7	2450.8	1537.8	1027.7	797.6	654.9	563.5	520.6	512.1
47.5°	2746.3	3036.3	3393.1	2493.2	1402.1	920.9	694.8	560.5	469.2	420.8	416.8
50°	3181.0	3569.8	3725.1	2485.7	1250.3	794.1	579.0	448.2	371.9	336.9	331.4
52.5°	3710.6	4239.7	4083.9	2395.9	1089.1	649.9	451.2	351.9	295.0	270.0	265.5
55°	4374.9	5041.8	4461.8	2203.2	885.5	497.6	354.4	277.5	238.6	223.6	221.6
57.5°	5197.5	6080.5	4825.7	1878.8	665.8	379.8	273.0	229.1	210.6	201.7	201.2
60°	6283.1	7183.1	5141.6	1460.0	476.7	290.5	225.6	204.6	190.2	184.2	183.7
62.5°	7573.9	8184.4	5338.3	994.3	358.4	231.6	198.7	185.7	177.2	173.7	173.2
65°	8900.6	8817.3	5244.4	651.4	272.0	196.7	178.2	171.2	163.7	160.2	160.2
67.5°	9684.3	8683.5	4524.2	452.2	215.6	172.7	160.7	154.2	141.8	138.8	138.8
70°	8577.7	7036.3	2965.4	330.9	174.7	151.2	139.8	130.8	125.8	122.8	122.3
72.5°	5673.2	4578.6	1576.8	229.6	145.7	128.8	118.3	114.8	108.8	105.8	105.3
75°	2823.6	2404.8	808.1	165.7	121.3	103.3	98.8	97.3	92.3	88.3	87.3
77.5°	1177.0	1070.7	376.8	120.3	92.3	83.4	79.4	79.4	73.9	69.4	67.4
80°	443.7	395.3	178.2	82.4	68.4	61.9	59.4	57.4	52.9	47.4	44.4
82.5°	593.5	387.8	87.3	51.4	44.9	39.9	36.4	34.9	32.4	29.9	28.0
85°	384.3	275.5	39.4	26.5	22.5	17.0	15.0	14.0	12.5	11.0	10.0
87.5°	78.4	92.3	12.0	5.0	3.0	1.5	1.5	0.5	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)